

A Project Report

Submitted in partial fulfillment of the Requirements for the award of the Degree of

BACHELOR OF SCIENCE (COMPUTER SCIENCE) (hons.)

**Specialization – CLOUD TECHNOLOGY AND INFORMATION
SECURITY**

By

Ms. Harjyot Kaur

Roll Number: 5

Under the esteemed guidance of

Prof. Ankit Javeri



MALAD KANDIVALI EDUCATION SOCIETY'S

DEPARTMENT OF COMPUTER SCIENCE OF

NAGINDAS KHANDWALA COLLEGE

(EMPOWERED AUTONOMOUS)

(Reaccredited 'A' Grade by NAAC)

(AFFILIATED TO UNIVERSITY OF MUMBAI)

(ISO 9001:2015)

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MALAD KANDIVALI EDUCATION SOCIETY'S
NAGINDAS KHANDWALA COLLEGE OF COMMERCE,
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(ISO 9001:2015)

CERTIFICATE

This is to certify that the project entitled, "**Secure Online Transaction System With Cryptography**", is bonafide work of **Ms. Harjyot Kaur** bearing **Roll. No: 5** for the course **FINAL PROJECT/INTERNSHIP AND VIVA** (Course Code: **2365UHCTPR**) submitted in partial fulfillment of the requirements for the award of degree of **BACHELOR OF SCIENCE** in **COMPUTER SCIENCE (hons.)** specialization in **CLOUD TECHNOLOGY AND INFORMATION SECURITY** from University of Mumbai.

Ankit Javeri

Internal Guide


Coordinator


External Examiner

Date: 01/04/24



College Seal

DECLARATION

I hereby declare that the project entitled, “**Secure Online Transaction With Cryptography**” done at **NAGINDAS KHANDWALA COLLEGE**, has not been in any case duplicated to submit to any other university for the award of any degree. To the best of my knowledge other than me, no one has submitted to any other university.

The project is done in partial fulfillment of the requirements for the award of degree of **BACHELOR OF SCIENCE (COMPUTER SCIENCE) (hons.) specialization in ARTIFICIAL INTELLIGENCE and MACHINE LEARNING** to be submitted as a final semester project as part of our curriculum.

Ms. Hariyot Kaur



↓
Name and Signature of the Student

ACKNOWLEDGEMENT

I would like to place my sincere gratitude to those who have contributed to the successful completion of this project directly or indirectly.

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I take this opportunity to express my profound gratitude and deep regards to my guide **Prof. Ankit Javeri**, without whose guidance & critical appreciation, this project would have been incomplete. Right from its inception, this project has been shaped by his expert opinions and he has helped me improve this project in all manners and achieve the level that it has acquired. I am extremely thankful to them for providing such nice support and guidance, although they had a busy schedule managing the corporate affairs.

ABSTRACT

Secure online Transaction System with Cryptography

This project built a secure system for online transactions using Java for the programming and MySQL for the database. It protects user information and transactions with strong encryption to prevent unauthorized access and tampering. Here's how it works:

Technical Implementation:

- Java is used for client and server development due to its platform independence.
- MySQL serves as the database management system for efficient data storage and retrieval.
- The AES algorithm encrypts sensitive data during transmission and storage, ensuring its privacy and protection from alteration.

System Benefits:

- The system provides a secure environment for users to conduct online transactions.
- AES encryption safeguards transaction data confidentiality and integrity.
- MySQL integration facilitates efficient data management.

Project Significance:

- This project demonstrates the successful use of cryptography (AES) for secure online transactions.
- It showcases how Java, MySQL, and AES can be combined to build a secure platform.
- The findings benefit individuals, businesses, and financial institutions by offering a secure framework for online transactions.

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CHAPTER 1: INTRODUCTION

1.1 BACKGROUND OF THE PROJECT:

Online transactions are booming, but security is key. With more and more sensitive data flowing across the web, there's a constant need for strong protection against theft and fraud. This project tackles that challenge by building a secure system specifically designed to safeguard online transactions.

1.2 Introduction :

With the increasing prevalence of online transactions, ensuring the security of sensitive information such as credit card details, personal identification, and transaction records has become paramount. A Secure Online Transaction System addresses these concerns by implementing robust cryptographic mechanisms to safeguard data confidentiality, integrity, and authenticity. By leveraging encryption, digital signatures, and other cryptographic techniques, these systems provide a secure environment for users to conduct financial transactions, purchase goods and services, and transfer funds without fear of interception, tampering, or unauthorized access.

Objectives:

- **Confidentiality:** Protecting the confidentiality of sensitive information is a primary objective of a secure online transaction system. Cryptography ensures that data such as credit card numbers, personal details, and transaction records are encrypted during transmission, making it unreadable to unauthorized parties.
- **Integrity:** Maintaining the integrity of transaction data is crucial to prevent unauthorized modifications or tampering. Cryptographic hash functions are used to generate checksums or digital signatures, which can be used to verify the integrity of transmitted data and detect any alterations.
- **Authentication:** Verifying the identity of both parties involved in a transaction is essential to prevent fraud and unauthorized access. Public key cryptography enables secure authentication by allowing parties to exchange digital certificates, which are used to validate the authenticity of their identities.
- **Non-repudiation:** Non-repudiation ensures that parties cannot deny their involvement in a transaction. Digital signatures provide irrefutable proof of the origin and integrity of transaction data, making it impossible for parties to repudiate their actions.
- **Availability:** Ensuring the availability of the transaction system is crucial to provide uninterrupted service to users. While cryptography primarily focuses on security, measures such as redundancy, failover mechanisms, and robust infrastructure are also implemented to maintain system availability.

Overall, the objective of a Secure Online Transaction System with Cryptography is to create a trusted and secure environment for conducting financial transactions over the internet, protecting both users and service providers from various threats and vulnerabilities.

1.3 SCOPE OF THE PROJECT:

SYSTEM ANALYSIS

1.3.1 EXISTING SYSTEM:

Current online transaction systems are riddled with security holes that expose your data.

- **Unencrypted Data:** Sensitive information travels in plain sight, vulnerable to interception during transmission or while stored. This lack of encryption can lead to data breaches, exposing your financial details and personal information.
- **Weak Authentication:** Many systems rely solely on passwords, which are susceptible to hacking through guessing, brute force attacks, or even social engineering tricks. This opens the door to unauthorized access, enabling fraud and compromising the integrity of transactions.
- **Insecure Communication:** The absence of secure protocols like SSL/TLS leaves transactions vulnerable to man-in-the-middle attacks. Hackers can eavesdrop and manipulate data flowing between you and the server, potentially altering transaction details and causing financial losses.

DISADVANTAGES OF EXISTING SYSTEM:

- **Inadequate Encryption:** The current system lacks robust encryption mechanisms, exposing sensitive transaction data to interception and unauthorized access. This flaw heightens the risk of data breaches and compromises user information confidentiality.
- **Weak Authentication:** Many older systems rely solely on passwords for user authentication, making them susceptible to password guessing, brute-force attacks, and social engineering tactics. This vulnerability compromises transaction integrity and exposes users to fraudulent activities.
- **Absence of Secure Communication Protocols:** Without secure communication protocols like SSL or TLS, the existing system is vulnerable to man-in-the-middle attacks. Attackers can intercept and manipulate data, leading to unauthorized modifications and potential financial losses.
- **Insufficient Data Validation:** The current system often lacks comprehensive data validation mechanisms, making it prone to code injection attacks such as SQL injection or cross-site scripting (XSS). These vulnerabilities allow attackers to manipulate system behavior, gain unauthorized access, and compromise data integrity.
- **Lack of Timely Incident Response:** Due to inadequate security measures, the existing system may experience delays in detecting and responding to security incidents. This delay exacerbates breach impacts and prolongs exposure to threats.
- **Vulnerability to Social Engineering:** Social engineering attacks pose a significant threat to the existing system, as attackers manipulate users into revealing sensitive information or performing unauthorized actions. This undermines transaction security and erodes user trust.

- **Limited Scalability and Performance:** Some legacy systems lack scalability and suffer from performance issues, particularly during peak transaction periods. This results in slow response times, transaction failures, and a subpar user experience.
- **Regulatory Compliance Challenges:** Inadequate security measures in the current system may hinder compliance with regulatory standards such as PCI DSS or GDPR. Non-compliance can lead to legal repercussions and damage to reputation.
- **Lack of User Awareness:** The existing system may neglect user education and awareness regarding online transaction security. Insufficient knowledge about best practices, risks, and reporting procedures increases susceptibility to scams and fraudulent transactions.

Addressing these shortcomings requires the implementation of robust encryption, secure authentication mechanisms, communication protocols, comprehensive data validation, incident response procedures, and user education initiatives. Overcoming these challenges will result in a more secure and reliable online transaction system.

1.3.2 PROPOSED SYSTEM:

- **Enhanced Security Measures:** The proposed system aims to overcome existing limitations in online transaction systems by implementing advanced security measures and leveraging cryptography techniques.
- **Improved Data Confidentiality and Integrity:** By integrating the AES (Advanced Encryption Standard) algorithm, a widely recognized and secure symmetric encryption algorithm, the system ensures the confidentiality of transaction data during transmission and storage, thus protecting it from unauthorized access and breaches.
- **Efficient Database Management:** Integration with a MySQL database management system allows for efficient storage and management of transaction-related information and user credentials. Secure practices are employed to prevent SQL injection attacks and unauthorized access to the database.
- **Optimized Performance and Scalability:** The system is designed to optimize performance and scalability, ensuring smooth and reliable transaction processing even during peak periods. This is achieved through the use of efficient algorithms and database optimization techniques, enhancing system responsiveness.
- **Secure Transaction Environment:** The proposed system provides a secure environment for users to conduct online transactions, instilling confidence by protecting sensitive data, enhancing transaction integrity, and mitigating risks associated with unauthorized access and fraudulent activities.
- **Rigorous Testing and Validation:** Implementation and evaluation of the proposed system involve rigorous testing and validation procedures to ensure its effectiveness, performance, and resistance to potential attacks. This ensures reliability and trustworthiness in the system's operation.

- **Contributions to Research:** Findings from this project contribute to the development of secure online transaction systems and cryptography research, paving the way for future advancements in online transaction security.

ADVANTAGES OF PROPOSED SYSTEM:

- **Enhanced Data Confidentiality:** Utilizes robust encryption techniques like the AES algorithm to ensure transaction data confidentiality, reducing the risk of unauthorized access and data breaches.
- **Improved Data Integrity:** Implements secure communication protocols and comprehensive data validation mechanisms to safeguard transaction data integrity, mitigating the risk of unauthorized modifications or tampering.
- **Strong Authentication Mechanisms:** Integrates secure authentication mechanisms to defend against unauthorized access, ensuring only authorized users can initiate and execute transactions, thus reducing the risk of fraudulent activities.
- **Robust Protection against Attacks:** Utilizes secure communication protocols to safeguard against man-in-the-middle attacks, establishing encrypted and authenticated channels to prevent interception and manipulation of transaction data.
- **Efficient Database Management:** Integrates with the MySQL database management system for efficient storage and retrieval of transaction-related information, employing secure practices to protect against SQL injection attacks and unauthorized access.
- **User-Friendly Interface:** Prioritizes user experience with a user-friendly interface that simplifies the transaction process, enhancing user engagement and satisfaction, and promoting the adoption of secure online transactions.

- **Scalability and Performance Optimization:** Designed to optimize performance and scalability, ensuring smooth transaction processing even during peak periods, employing efficient algorithms and database optimization techniques.
- **Trust and Confidence:** Implements strong security measures, cryptography techniques, and user education initiatives to instill trust and confidence among users, encouraging increased adoption of the system and promoting secure online transactions.
- **Future-Proofing and Research Opportunities:** Incorporates advanced security measures and cryptography techniques, laying the groundwork for future research and development in online transaction security, and addressing evolving security challenges.

CHAPTER 2: SURVEY OF TECHNOLOGIES

2.1 LIST OF TECHNOLOGIES:

Java:

- **What it is:** A high-level, object-oriented programming language known for its simplicity, portability, and security.
- **What it's used for:** Developing a wide variety of applications, including web applications, enterprise software, mobile apps, and more.

Apache Tomcat:

- **What it is:** An open-source web server specifically designed to run Java servlets and JavaServer Pages (JSPs). It acts as the software container that executes these Java programs.
- **What it's used for:** Deploying web applications written in Java. It manages the lifecycle of servlets and JSPs, handling requests and responses from web browsers.

JDK (Java Development Kit):

- **What it is:** A software development kit that provides the tools and libraries needed to develop Java applications. It includes a compiler that translates Java source code into bytecode, as well as debuggers and other development utilities.
- **What it's used for:** Creating Java programs. Developers use the JDK to write, compile, debug, and test their Java code.

MySQL:

- **What it is:** A popular open-source relational database management system (RDBMS) used for storing and managing data. It's known for its reliability, speed, and ease of use.
- **What it's used for:** Creating databases to store information for various applications. Java programs can connect to MySQL databases using JDBC (Java Database Connectivity) to access and manipulate data.

In essence:

- **Java** is the building block used to create the program.

- **JDK** is the toolkit that helps you build the program.
- **Apache Tomcat** is the platform where you run the program (specifically Java web applications).
- **MySQL** is a separate application that stores the data the program uses.

2.2 LITERATURE REVIEW:

1) Design and Analysis of Digital True Random Number Generator

AUTHORS: A. Yadva

Random number generator is a key component for strengthening and securing the confidentiality of electronic communications. Random number generators can be divided as either pseudo random number generators or true random number generators. A pseudo random number generator produces a stream of numbers that appears to be random but actually follow predefined sequence. A true random number generator produces a stream of unpredictable numbers that have no defined pattern. There has been growing interest to design true random number generator in past few years. Several Field Programmable Gate Array (FPGA) and Application Specific Integrated Circuit (ASIC) based approaches have been used to generate random data that requires analog circuit. RNGs having analog circuits demand for more power and area. These factors weaken hardware analog circuit-based RNG systems relative to hardware completely digital-based RNGs systems. This thesis is focused on the design of completely digital true random number generator ASIC.

2) An Analysis of Identity Theft: Motives, Related Frauds, Techniques and Prevention

AUTHORS: A. Hedayati

This paper is a conceptual review of the major crimes leading to ID fraud and losses of millions of dollars for business and people in the world every year. The paper provides a review of the unique effective techniques for sustainable development of prevention methods that have been offered to people and business. In addition, the paper reviews literature and summarizes the most effective ways for people and business to protect them against ID theft because victims may face a lengthy process of cleaning up the damage, such as their reputation, credit rating, and jobs. Identity (ID) theft is unauthorized obtaining of others confidential information in order to misuse it. ID theft is one of the major problems that impose billions of dollars annually on people and businesses across the globe. In 2008 only, 9.9 millions of Americans were victimized which show 22% increase compared to 2007. Analyzing four major factors - political, economic, social, and technological- reveals that social and technological factors are the significant origins of ID theft. Social engineering is a technique for thieves by which social engineers take advantage of people's behaviors in social networks such as Facebook to steal individuals' key information. This report examines different types of frauds that are the major outcomes of ID theft. The frauds as the results of ID theft comprise ID fraud, financial fraud, tax fraud, medical fraud, resume fraud, mortgage fraud, and organized crimes such as money laundering, terrorism, and illegal immigration. Moreover, the various techniques that thieves use to attack individuals and organizations are discussed. The different techniques are divided to two major ones, physical and technological. Physical techniques include several traditional ways such as mail theft and insider theft. It is crucial for organizations' managers to know that despite new technology-based techniques, more than 70% of ID theft occurs by insiders. In addition, it will be shown how thieves apply both technology-based techniques such as phishing and social engineering to steal personal information. Finally several effective prevention techniques will be provided for individuals and organization to protect key data and information against identity theft. Usually, thieves attempt to bypass security systems through human elements. Therefore, the recommendation significantly emphasizes developing individuals' awareness through public and organizational training.

3) Combine use of steganography and visual cryptography for online payment system

AUTHORS: V. L. Reddy and T. Anusha

A rapid growth in the E - Commerce market is seen in recent time in the whole extent of the world. With ever increasing popularity of online shopping, Debit/Credit card fraud and personal information security are major concerns for clients, Merchandiser and depository financial institution specifically in the case of CNP (Card Not Present). This paper presents a novel approach for providing limited information that is necessary for fund transfer during online shopping thereby safeguarding customer data and increasing customer confidence and preventing identity stealing. This method uses combined application of Steganography and visual cryptography for this purpose.

4) Study of Hidden Markov Model in Credit Card Fraudulent Detection

AUTHORS: Bhusari, V., and S. Patil

The most accepted payment mode is credit card for both online and offline in today's world, it provides cashless shopping at every shop in all countries. It will be the most convenient way to do online shopping, paying bills etc. Hence, risks of fraud transaction using credit card has also been increasing. In the existing credit card fraud detection business processing system, fraudulent transaction will be detected after transaction is done. It is difficult to find out fraudulent and regarding loses will be barred by issuing authorities. Hidden Markov Model is the statistical tools for engineer and scientists to solve various problems. In this paper, it is shown that credit card fraud can be detected using Hidden Markov Model during transactions. Hidden Markov Model helps to obtain a high fraud coverage combined with a low false alarm rate.

5) Secure Online Transaction Algorithm: Securing Online Transaction Using Two-Factor Authentication

AUTHORS: Joseph Gualdoni, Andrew Kurtz, Ilva Myzyri, Megan Wheeler, and Syed Rizvi

Identity theft is a very scary and real threat to everyone. In an attempt to give people peace of mind a new algorithm of mitigating risk is presented, the Secure Online Transaction Algorithm (SOTA). The proposed SOTA seeks to use two-factor authentication with the random codes. This form of user authentication has become widely accepted and many companies have started to implement this security feature. This can be utilized to identify users and establish secure way of purchasing items online. The proposed SOTA uses mobile devices to log into card accounts via an application to view the randomly generated code. This is then inputted on an online retailer's website when prompted in order to authenticate the individual making the purchase. This minimizes the possibility that an illegitimate user can use someone else's information to make fraudulent purchases. Without a valid code, identity thieves cannot use the stolen card information to make purchases. This in turns protects both the consumer and the credit card companies, which could be harmed financially. In order to better understand how our model could protect someone from having a stolen credit card used, we provide one case study to showcase the security.

CHAPTER 3: REQUIREMENT & ANALYSIS

INPUT DESIGN

The input design is the link between the information system and the user. It comprises the developing specification and procedures for data preparation and those steps are necessary to put transaction data in to a usable form for processing can be achieved by inspecting the computer to read data from a written or printed document or it can occur by having people keying the data directly into the system. The design of input focuses on controlling the amount of input required, controlling the errors, avoiding delay, avoiding extra steps and keeping the process simple. The input is designed in such a way so that it provides security and ease of use with retaining the privacy. Input Design considered the following things:

- What data should be given as input?
- How the data should be arranged or coded?
- The dialog to guide the operating personnel in providing input.
- Methods for preparing input validations and steps to follow when error occur.

OBJECTIVES

1. Input Design is the process of converting a user-oriented description of the input into a computer-based system. This design is important to avoid errors in the data input process and show the correct direction to the management for getting correct information from the computerized system.

2. It is achieved by creating user-friendly screens for the data entry to handle large volume of data. The goal of designing input is to make data entry easier and to be free from errors. The data entry screen is designed in such a way that all the data

manipulates can be performed. It also provides record viewing facilities.

3. When the data is entered it will check for its validity. Data can be entered with the help of screens. Appropriate messages are provided as when needed so that the user will not be in maize of instant. Thus the objective of input design is to create an input layout that is easy to follow

OUTPUT DESIGN

A quality output is one, which meets the requirements of the end user and presents the information clearly. In any system results of processing are communicated to the users and to other system through outputs. In output design it is determined how the information is to be displaced for immediate need and also the hard copy output. It is the most important and direct source information to the user. Efficient and intelligent output design improves the system's relationship to help user decision-making.

1. Designing computer output should proceed in an organized, well thought out manner; the right output must be developed while ensuring that each output element is designed so that people will find the system can use easily and effectively. When analysis design computer output, they should Identify the specific output that is needed to meet the requirements.

2. Select methods for presenting information.

3. Create document, report, or other formats that contain information produced by the system.

The output form of an information system should accomplish one or more of the following objectives.

- Convey information about past activities, current status or projections of the
- Future.
- Signal important events, opportunities, problems, or warnings.
- Trigger an action.
- Confirm an action.

3.1 Modules

1. Admin:

- Activate Users
- Create Account details for users
- Reject Applications
- View Rejected applications
- View Active Users
- View Transactions
- View Complaints

2. Users:

- Account Register
- Login with Credentials
- Update Pin Number
- Deposits Money
- Withdraw Money
- Transfer Money

3. AES Algorithm Module:

- Encryption
- Decryption

MODULES DESCRIPTION:

Admin Module:

This module facilitates the processing of online transactions securely. It handles functionalities such as transaction initiation, verification, and authorization. It ensures the confidentiality and integrity of transaction data throughout the process. In this module, Admin will activate the users' accounts by viewing all the details given by the users. After verifying the details only admin activate the account. After activation a unique account number will be generated for each user accounts. Admin can view the rejected and active users details. Admin can view all the transactions made by the users. Admin can also view the complaints made by the users.

Activate Users:

This sub-module allows the administrator to activate user accounts after reviewing their applications. It validates user information and grants access to the system.

Create Account details for users:

This sub-module enables the administrator to create and manage account details for users. It involves assigning unique identifiers, setting up user profiles, and ensuring accurate information.

Reject Applications:

This sub-module allows the administrator to reject user applications that do not meet the system's criteria or have insufficient information. It provides feedback to the rejected applicants.

View Rejected applications:

This sub-module enables the administrator to view a list of rejected user applications for reference or further review.

View Active Users:

This sub-module allows the administrator to view a list of active users currently using the system. It provides an overview of user accounts and their status.

View Transactions:

This sub-module provides the administrator with access to view transaction details, including the sender, recipient, transaction amount, and timestamp.

View Complaints:

This sub-module allows the administrator to view and address user complaints.

Users Module:

This module provides a user-friendly interface for users to interact with the system. It includes functionalities such as displaying transaction details, managing user settings, and providing feedback to users regarding the status of their transactions. User's first register all the details requested in the account activation form after filling the form user have to submit. User will get a unique account number after activating the account. Users can perform the deposits, withdraw, transfer money to another accounts. User can view all the transactions and also if any complaint needs the register then users can raise the complaints. All the details shown to users are End to End Encryptions.

Account Register:

This sub-module enables users to create an account by providing necessary personal information. It validates user inputs, checks for duplicate accounts, and generates unique account identifiers.

Login with Credentials:

This sub-module allows users to log into the system securely using their credentials, such as username and password. It verifies the user's identity and grants access to their account.

Update Pin Number:

This sub-module allows users to update their PIN (Personal Identification Number) for added security. It ensures that only the authorized user can access the account.

Deposits Money:

This sub-module allows users to deposit money into their account. It verifies the transaction, updates the account balance, and generates a receipt for confirmation.

Withdraw Money:

This sub-module enables users to withdraw money from their account. It validates the transaction, deducts the requested amount from the account balance, and generates a receipt for record-keeping.

Transfer Money:

This sub-module facilitates money transfers between user accounts. It verifies the sender's account balance, deducts the transferred amount, updates the recipient's account balance, and generates transaction records.

AES Algorithm Module:

This module is responsible for encrypting and decrypting transaction data using robust encryption algorithms such as AES. It ensures that sensitive information remains confidential during transmission and storage, protecting it from unauthorized access.

Encryption:

This sub-module implements the AES (Advanced Encryption Standard) algorithm to encrypt sensitive data. It takes the plaintext data and encryption key as input and generates encrypted ciphertext, ensuring data confidentiality during transmission and storage.

Decryption:

This sub-module performs the decryption process using the AES algorithm. It takes the encrypted ciphertext and the decryption key as input and produces the original plaintext data, allowing authorized users to access and interpret the information securely.

3.2 Feasibility Study:

Feasibility study is checking if a project or idea is doable and makes sense. It involves looking at the resources, costs, and potential risks to see if the project is possible and if it's worth doing. Doing a feasibility study helps us decide if the project is a good idea and if we can make it work before we start.

Three key considerations involved in the feasibility analysis are

- ◆ **ECONOMICAL FEASIBILITY**
- ◆ **TECHNICAL FEASIBILITY**
- ◆ **SOCIAL FEASIBILITY**

ECONOMICAL FEASIBILITY

This study is carried out to check the economic impact that the system will have on the organization. The amount of fund that the company can pour into the research and development of the system is limited. The expenditures must be justified. Thus the developed system as well within the budget and this was achieved because most of the technologies used are freely available. Only the customized products had to be purchased.

TECHNICAL FEASIBILITY

This study is carried out to check the technical feasibility, that is, the technical requirements of the system. Any system developed must not have a high demand on the available technical resources. This will lead to high demands on the available technical resources. This will lead to high demands being placed on the client. The developed system must have a modest requirement, as only minimal or null changes are required for implementing this system.

SOCIAL FEASIBILITY

The aspect of study is to check the level of acceptance of the system by the user. This includes the process of training the user to use the system efficiently. The user must not feel threatened by the system, instead must accept it as a necessity. The level of acceptance by the users solely depends on the methods that are employed to educate the user about the system and to make him familiar with it. His level of confidence must be raised so that he is also able to make some constructive criticism, which is welcomed, as he is the final user of the system.

3.3 Software and Hardware Requirements:

Process	Software Requirements
Programming Language	JAVA
OPERATING SYSTEM	WINDOWS 11
TOOL	Apache Netbeans IDE 13
DATABASE	MYSQL

Hardware Requirements	Description
Operating System	Windows 10 or higher
RAM	4GB or Above
System Type	64-bit operating system, x64-based processor
Monitor Input Devices	Color screen



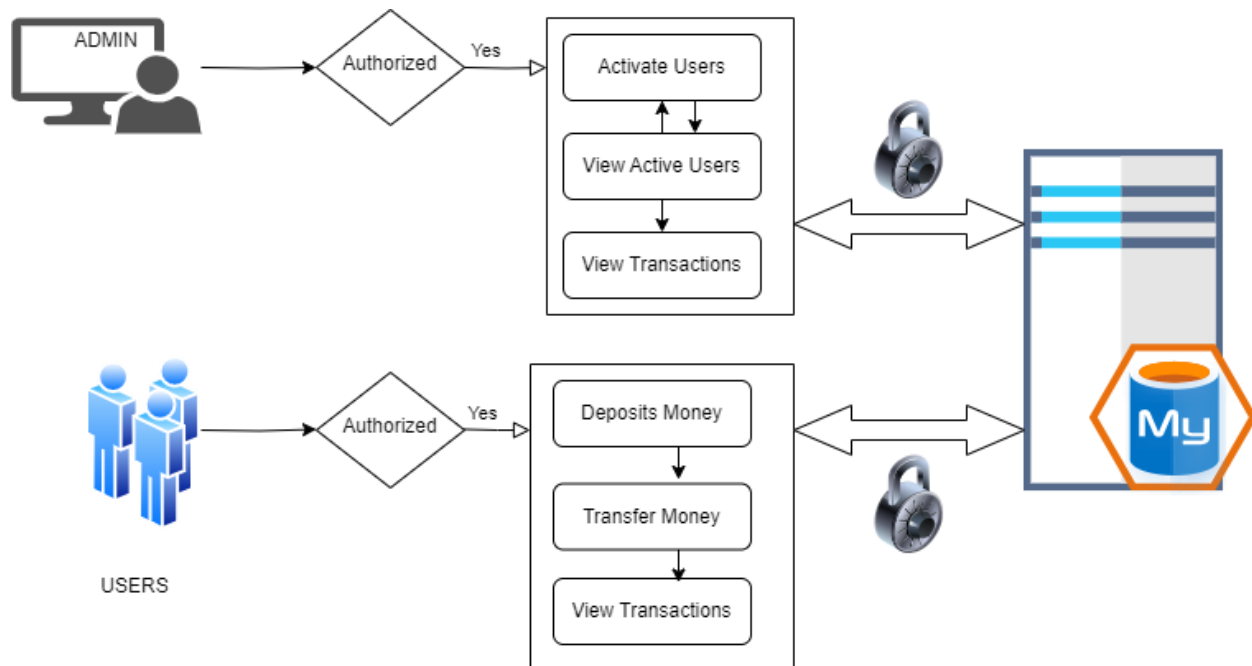
Specific Requirements:

- Netbeans 13, Tomcat and JDK:
- MYSQL
- JDK

CHAPTER 4: SYSTEM DESIGN

4.1 SYSTEM FLOW

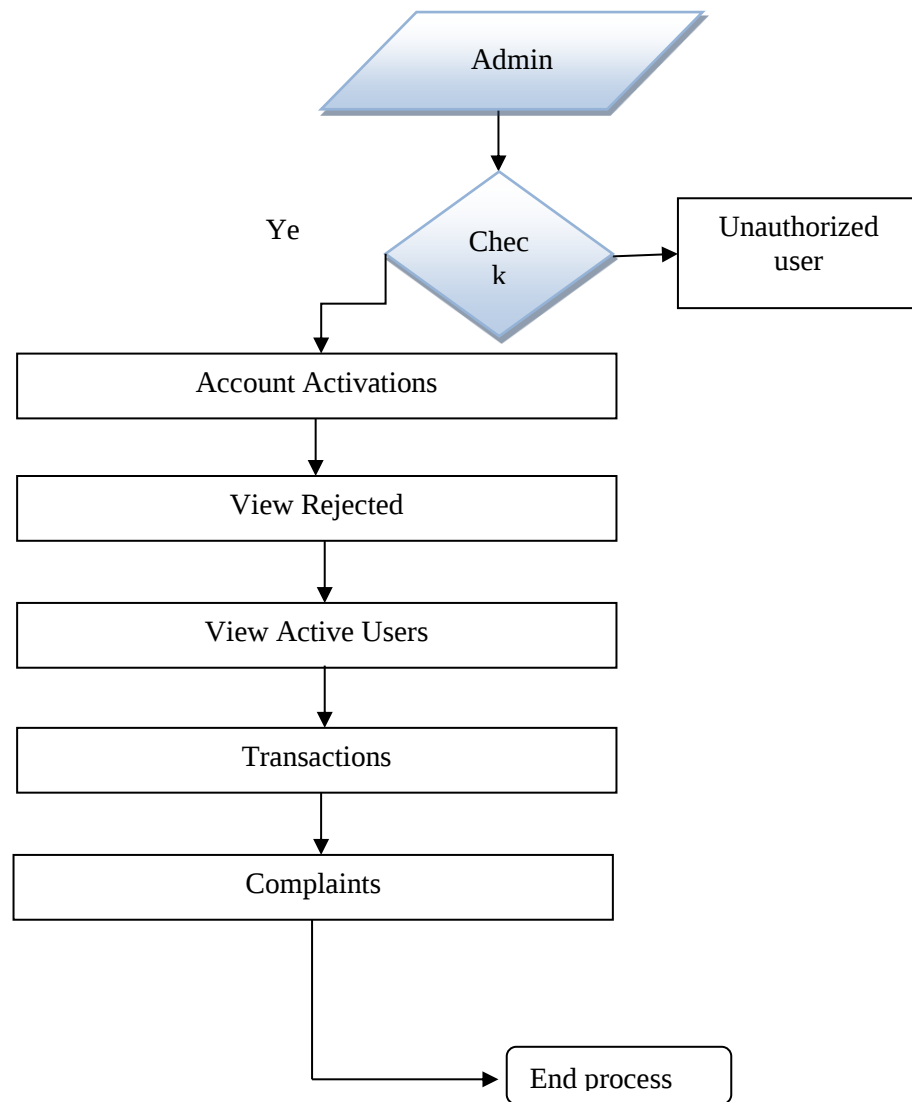
SYSTEM ARCHITECTURE:



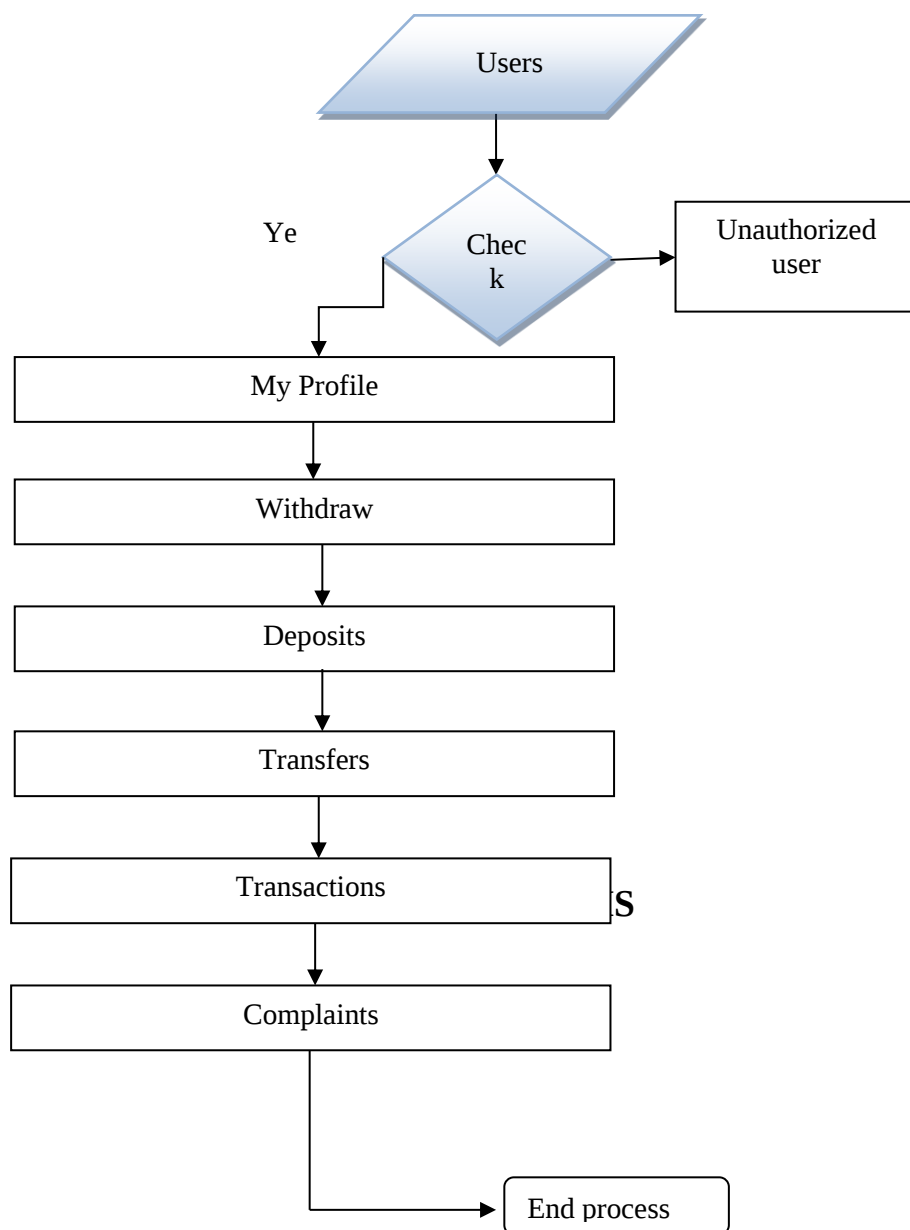
DATA FLOW DIAGRAM:

1. The DFD is also called as bubble chart. It is a simple graphical formalism that can be used to represent a system in terms of input data to the system, various processing carried out on this data, and the output data is generated by this system.
2. The data flow diagram (DFD) is one of the most important modeling tools. It is used to model the system components. These components are the system process, the data used by the process, an external entity that interacts with the system and the information flows in the system.
3. DFD shows how the information moves through the system and how it is modified by a series of transformations. It is a graphical technique that depicts information flow and the transformations that are applied as data moves from input to output.
4. DFD is also known as bubble chart. A DFD may be used to represent a system at any level of abstraction. DFD may be partitioned into levels that represent increasing information flow and functional detail.

Admin:



Users:



UML stands for Unified Modeling Language. UML is a standardized general-purpose modeling language in the field of object-oriented software engineering. The standard is managed, and was created by, the Object Management Group.

The goal is for UML to become a common language for creating models of object oriented computer software. In its current form UML is comprised of two major components: a Meta-model and a notation. In the future, some form of method or process may also be added to; or associated with, UML.

The Unified Modeling Language is a standard language for specifying, Visualization, Constructing and documenting the artifacts of software system, as well as for business modeling and other non-software systems.

The UML represents a collection of best engineering practices that have proven successful in the modeling of large and complex systems.

The UML is a very important part of developing objects oriented software and the software development process. The UML uses mostly graphical notations to express the design of software projects.

GOALS:

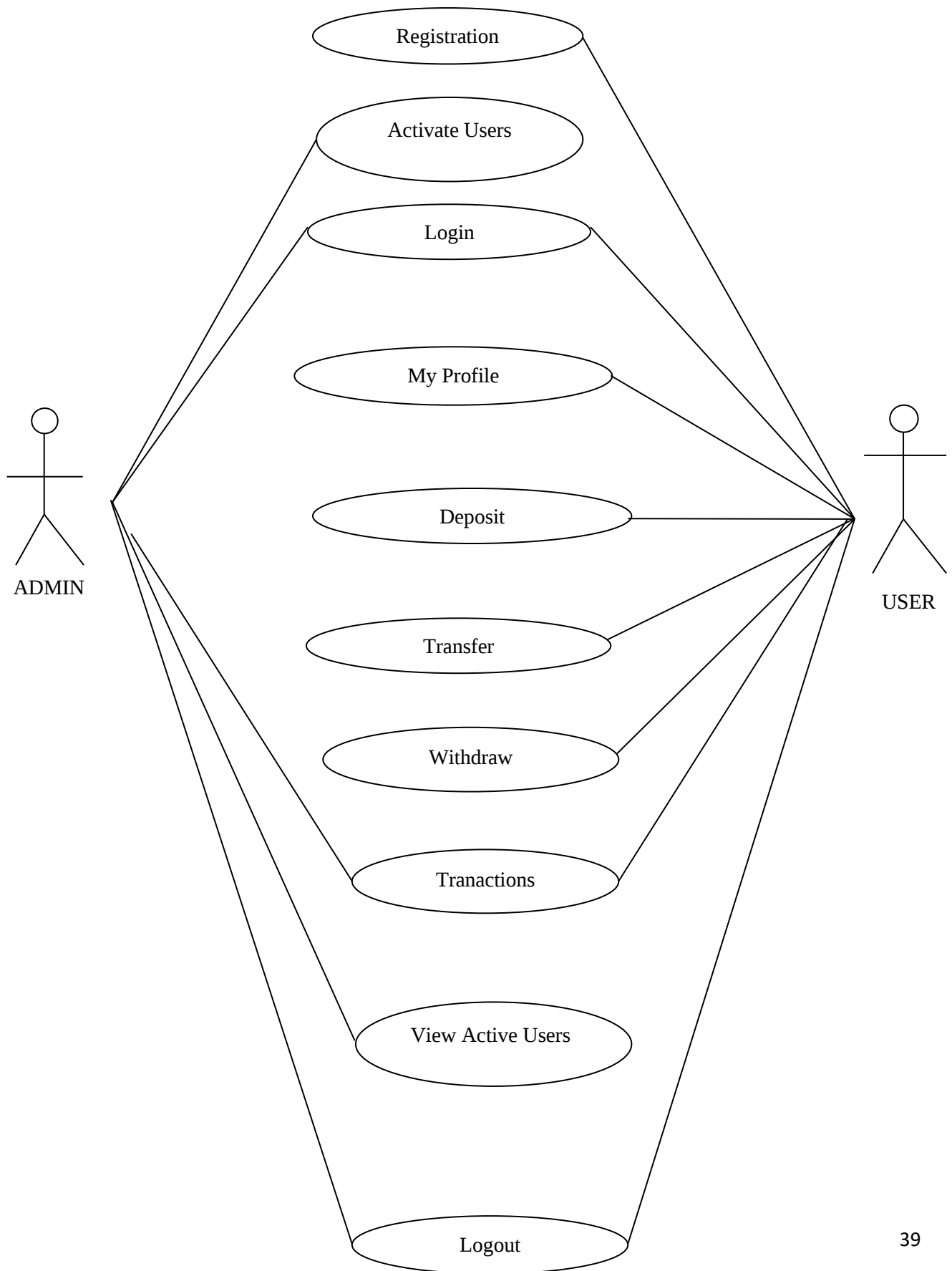
The Primary goals in the design of the UML are as follows:

1. Provide users a ready-to-use, expressive visual modeling Language so that they can develop and exchange meaningful models.
2. Provide extendibility and specialization mechanisms to extend the core concepts.
3. Be independent of particular programming languages and development process.
4. Provide a formal basis for understanding the modeling language.
5. Encourage the growth of OO tools market.

6. Support higher level development concepts such as collaborations, frameworks, patterns and components.
7. Integrate best practices.

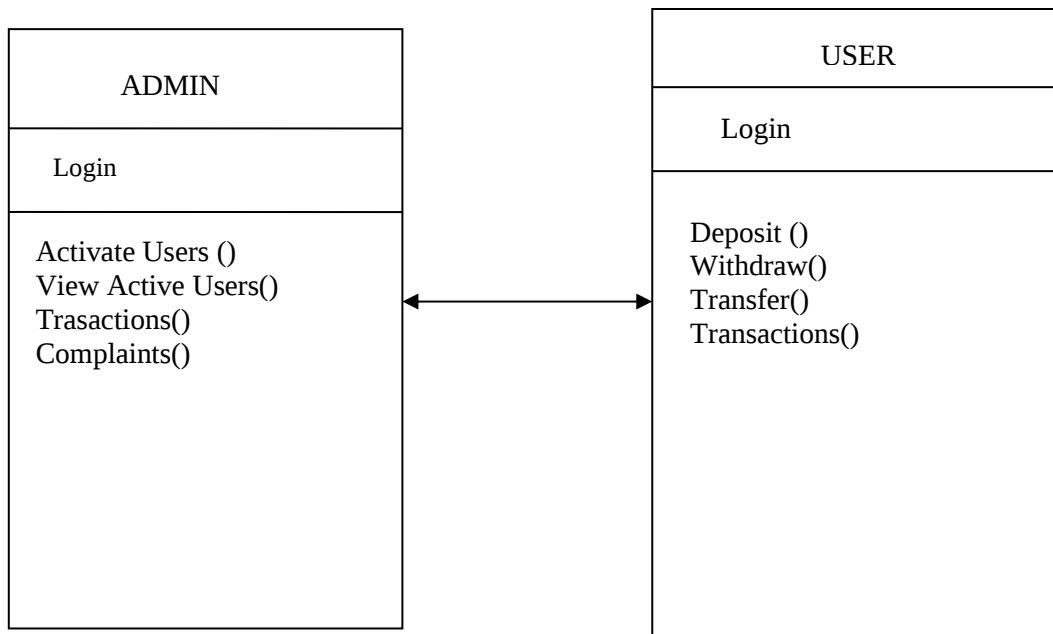
USE CASE DIAGRAM:

A use case diagram in the Unified Modeling Language (UML) is a type of behavioral diagram defined by and created from a Use-case analysis. Its purpose is to present a graphical overview of the functionality provided by a system in terms of actors, their goals (represented as use cases), and any dependencies between those use cases. The main purpose of a use case diagram is to show what system functions are performed for which actor. Roles of the actors in the system can be depicted.



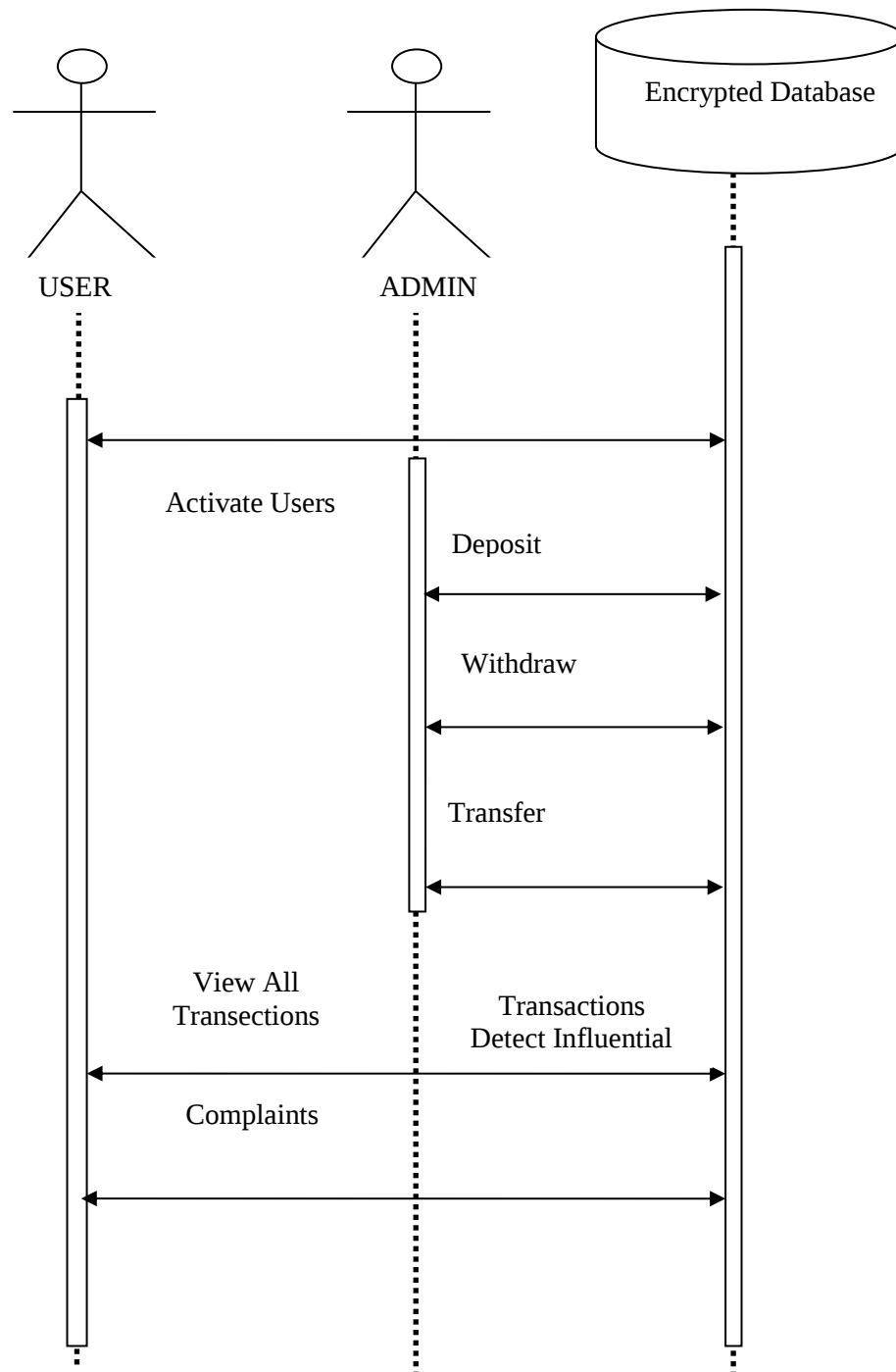
CLASS DIAGRAM:

In software engineering, a class diagram in the Unified Modeling Language (UML) is a type of static structure diagram that describes the structure of a system by showing the system's classes, their attributes, operations (or methods), and the relationships among the classes. It explains which class contains information.



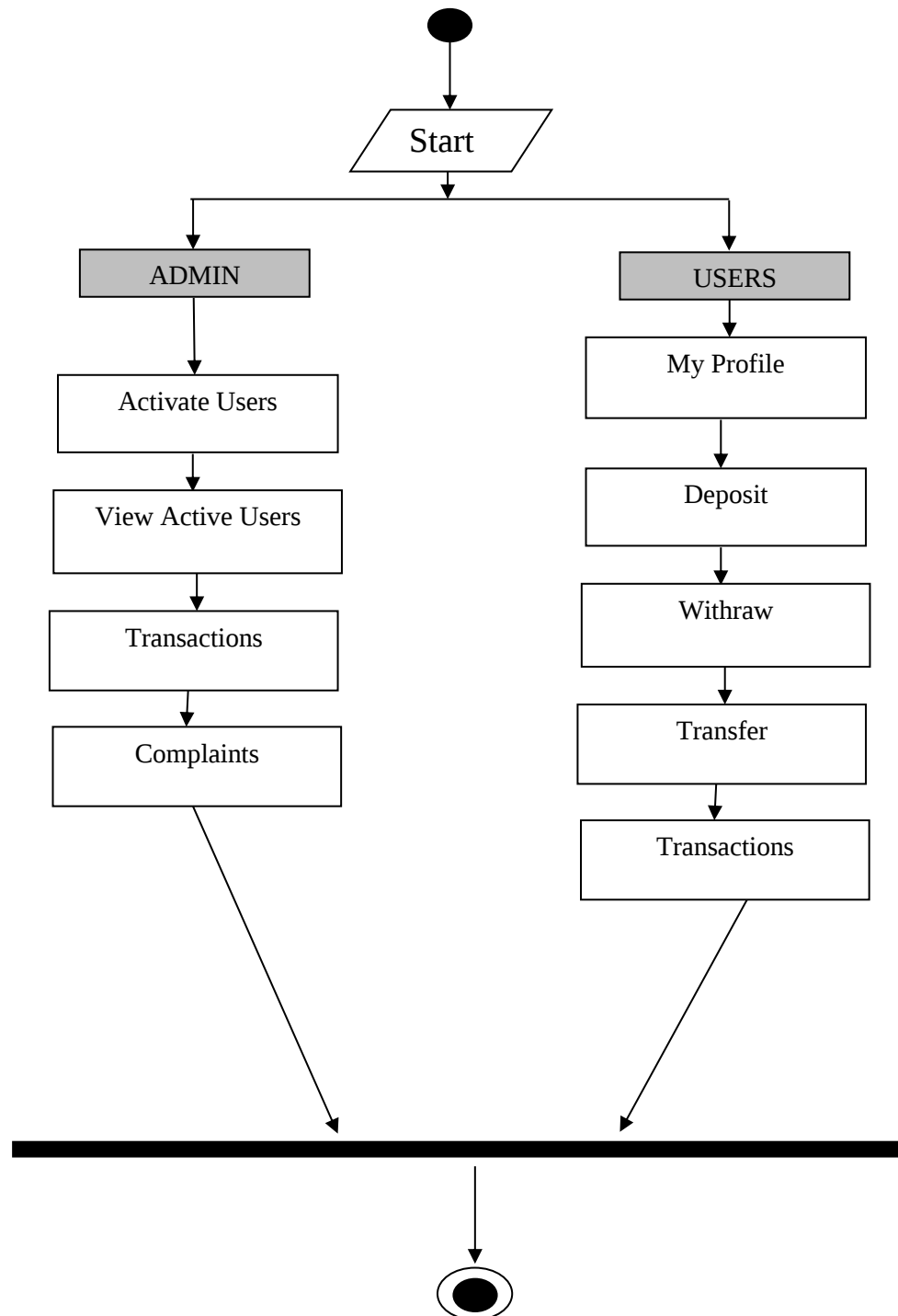
SEQUENCE DIAGRAM:

A sequence diagram in Unified Modeling Language (UML) is a kind of interaction diagram that shows how processes operate with one another and in what order. It is a construct of a Message Sequence Chart. Sequence diagrams are sometimes called event diagrams, event scenarios, and timing diagrams.



ACTIVITY DIAGRAM:

Activity diagrams are graphical representations of workflows of stepwise activities and actions with support for choice, iteration and concurrency. In the Unified Modeling Language, activity diagrams can be used to describe the business and operational step-by-step workflows of components in a system. An activity diagram shows the overall flow of control.



5.1 CODE

1- Accnumcheck

```
<%@page import="algorithm.AEScryptography"%>
<%@page import="Database.SQLconnection"%>
<%@page contentType="text/html" pageEncoding="UTF-8"%>
<%@ page import="java.sql.*" %>
<%
String name = request.getParameter("toaccno").toString();
System.out.println(name);
AEScryptography aes= new AEScryptography();
String toaccno =aes.encrypt(name);
String data ="";
String acname="";
try{
Connection con=SQLconnection.getconnection();
Statement st=con.createStatement();
ResultSet rs=st.executeQuery("select * from accdetails where accno='"+toaccno+"'");
int count=0;
while(rs.next())
{
acname=aes.decrypt(rs.getString("name"));
count++;
}

if(count>0)
{
data=acname;
}
else
{
data="Account Number Not Exists";
}
out.println(data);
System.out.println(data);
}
catch (Exception e) {
System.out.println(e);
```

```

}
%>
2- ActiveUsers
<%@page import="Database.SQLconnection"%>
<%@page import="java.sql.ResultSet"%>
<%@page import="java.sql.Connection"%>
<%@page import="java.sql.Statement"%>
<%@page import="algorithm.AEScryptography"%>
<%@page import="algorithm.AEScryptography"%>
<%@page import="java.util.Date"%>
<%@page contentType="text/html" pageEncoding="UTF-8"%>
<!DOCTYPE html>
<html lang="en">

  <head>
    <!-- Required meta tags -->
    <meta charset="utf-8">
    <meta name="viewport" content="width=device-width, initial-scale=1, shrink-to-
fit=no">
    <title>Administer</title>
    <!-- plugins:css -->
    <link rel="stylesheet" href="vendors/feather/feather.css">
    <link rel="stylesheet" href="vendors/ti-icons/css/themify-icons.css">
    <link rel="stylesheet" href="vendors/css/vendor.bundle.base.css">
    <!-- endinject -->
    <!-- Plugin css for this page -->
    <link rel="stylesheet" href="vendors/datatables.net-bs4/dataTables.bootstrap4.css">
    <link rel="stylesheet" href="vendors/ti-icons/css/themify-icons.css">
    <link rel="stylesheet" type="text/css" href="js/select.dataTables.min.css">
    <!-- End plugin css for this page -->
    <!-- inject:css -->
    <link rel="stylesheet" href="css/vertical-layout-light/style.css">
    <!-- endinject -->
    <link rel="shortcut icon" href="images/favicon.png" />
  </head>
  <body>
    <div class="container-scroller">
      <!-- partial:partials/_navbar.html -->
      <nav class="navbar col-lg-12 col-12 p-0 fixed-top d-flex flex-row">

```

```

        <div class="text-center navbar-brand-wrapper d-flex align-items-center justify-
content-center">
            <a class="navbar-brand brand-logo mr-5" href="#"></a>
            <a class="navbar-brand brand-logo-mini" href="#"></a>
        </div>
        <div class="navbar-menu-wrapper d-flex align-items-center justify-content-end">
            <button class="navbar-toggler navbar-toggler align-self-center" type="button"
data-toggle="minimize">
                <span class="icon-menu"></span>
            </button>
            <ul class="navbar-nav mr-lg-2">
                <li class="nav-item nav-search d-none d-lg-block">
                    <div class="input-group">
                        <div class="input-group-prepend hover-cursor" id="navbar-search-
icon">
                            </div>
                            <center> <h3>ADMINISTRATOR</h3></center>
                        </div>
                    </li>
                </ul>
                <ul class="navbar-nav navbar-nav-right">
                    <li class="nav-item nav-profile dropdown">
                        <a class="nav-link dropdown-toggle" href="#" data-toggle="dropdown"
id="profileDropdown">
                            <i class="icon-lock"></i>
                        </a>
                        <div class="dropdown-menu dropdown-menu-right navbar-dropdown"
aria-labelledby="profileDropdown">
                            <a class="dropdown-item" href="logout.jsp">
                                <i class="ti-power-off text-primary"></i>
                                Logout
                            </a>
                        </div>
                    </li>
                </ul>
            </div>
        </nav>
    <%

```

```

        if (request.getParameter("Granted") != null) {%>
<script>alert("User Account Activated");</script>
<%}
%>
<!-- partial -->
<div class="container-fluid page-body-wrapper">
    <!-- partial -->
    <!-- partial:partials/_sidebar.html -->
    <nav class="sidebar sidebar-offcanvas" id="sidebar">
        <ul class="nav">
            <li class="nav-item">
                <a class="nav-link" href="Admin_home.jsp">
                    <i class="icon-grid menu-icon"></i>
                    <span class="menu-title">Dashboard</span>
                </a>
            </li>
            <li class="nav-item">
                <a class="nav-link " href="UserActive.jsp">
                    <i class="ti-user menu-icon"></i>
                    <span class="menu-title">Activations</span>
                </a>
            </li>
            <li class="nav-item">
                <a class="nav-link" href="Rejected.jsp">
                    <i class="ti-user menu-icon"></i>
                    <span class="menu-title">Rejected Account</span>
                </a>
            </li>
            <li class="nav-item">
                <a class="nav-link active" href="ActiveUsers.jsp">
                    <i class="ti-user menu-icon"></i>
                    <span class="menu-title">Active Users</span>
                </a>
            </li>
            <li class="nav-item">
                <a class="nav-link" href="UserTransactions.jsp">
                    <i class="ti-money menu-icon"></i>
                    <span class="menu-title">Transactions</span>
                </a>
            </li>
        </ul>
    </nav>
</div>

```

```

        </a>
    </li>
    <li class="nav-item">
        <a class="nav-link" href="UserComplaints.jsp">
            <i class="icon-mail menu-icon"></i>
            <span class="menu-title">Complaints</span>
        </a>
    </li>
</ul>
</nav>
<!-- partial -->
<div class="main-panel">
    <div class="content-wrapper">
        <div class="row">
            <div class="col-md-12 grid-margin">
                <div class="row">
                    <div class="col-md-12 grid-margin stretch-card">
                        <div class="card">
                            <div class="card-body">
                                <p class="card-title mb-0">Active Users</p>
                                <div class="table-responsive">
                                    <table class="table table-striped table-borderless">
                                        <thead>
                                            <tr>
                                                <th>Id</th>
                                                <th>Name</th>
                                                <th>Account No</th>
                                                <th>Status</th>
                                                <th>Time</th>
                                            </tr>
                                        </thead>
                                        <tbody>
                                            <%
                                                AEScryptography aes = new AEScryptography();
                                                Connection con = SQLconnection.getconnection();
                                                Statement st = con.createStatement();
                                                try {
                                                    ResultSet rs = st.executeQuery("Select * from
accdetails");

```

```

                                while (rs.next()) {

                                %>
                                <tr>
                                <td class="font-weight-
bold"><%=rs.getString("id")%></td>
                                <td
><%=aes.decrypt(rs.getString("name"))%></td>
                                <td class="font-weight-
bold"><%=aes.decrypt(rs.getString("accno"))%></td>
                                <td class="font-weight-medium"><div
class="badge badge-success"><%=rs.getString("status")%></div></td>
                                <td><%=aes.decrypt(rs.getString("time"))%></td>
                                <%
                                }

                                rs.close();
                                con.close();
                                } catch (Exception ex) {
                                ex.printStackTrace();
                                }

                                %>
                                </tr>
                                </tbody>
                                </table>
                                </div>
                                </div>
                                </div>
                                </div>
                                </div>
                                </div>
                                </div>
                                </div>
                                </div>
                                <!-- content-wrapper ends -->
                                <!-- partial:partials/_footer.html -->
                                <footer class="footer">
                                <div class="d-sm-flex justify-content-center justify-content-sm-between">
                                <span class="text-muted text-center text-sm-left d-block d-sm-inline-
block">Copyright © 2022 All rights reserved.</span>
                                </div>
                                </footer>

```

```

        <!-- partial -->
    </div>
    <!-- main-panel ends -->
</div>
<!-- page-body-wrapper ends -->
</div>
<!-- container-scroller -->

<!-- plugins:js -->
<script src="vendors/js/vendor.bundle.base.js"></script>
<!-- endinject -->
<!-- Plugin js for this page -->
<script src="vendors/chart.js/Chart.min.js"></script>
<script src="vendors/datatables.net/jquery.dataTables.js"></script>
<script src="vendors/datatables.net-bs4/dataTables.bootstrap4.js"></script>
<script src="js/dataTables.select.min.js"></script>

<!-- End plugin js for this page -->
<!-- inject:js -->
<script src="js/off-canvas.js"></script>
<script src="js/hoverable-collapse.js"></script>
<script src="js/template.js"></script>
<script src="js/settings.js"></script>
<script src="js/todolist.js"></script>
<!-- endinject -->
<!-- Custom js for this page-->
<script src="js/dashboard.js"></script>
<script src="js/Chart.roundedBarCharts.js"></script>
<!-- End custom js for this page-->
</body>
</html>

```

2- ADMIN_USER

```

<%@page import="Database.SQLconnection"%>
<%@page import="java.sql.ResultSet"%>
<%@page import="java.sql.Connection"%>
<%@page import="java.sql.Statement"%>
<%@page import="algorithm.AEScryptography"%>
<%@page import="algorithm.AEScryptography"%>
<%@page import="java.util.Date"%>

```

```

<%@page contentType="text/html" pageEncoding="UTF-8"%>
<!DOCTYPE html>
<html lang="en">

  <head>
    <!-- Required meta tags -->
    <meta charset="utf-8">
    <meta name="viewport" content="width=device-width, initial-scale=1, shrink-to-
fit=no">
    <title>Administer</title>
    <!-- plugins:css -->
    <link rel="stylesheet" href="vendors/feather/feather.css">
    <link rel="stylesheet" href="vendors/ti-icons/css/themify-icons.css">
    <link rel="stylesheet" href="vendors/css/vendor.bundle.base.css">
    <!-- endinject -->
    <!-- Plugin css for this page -->
    <link rel="stylesheet" href="vendors/datatables.net-bs4/dataTables.bootstrap4.css">
    <link rel="stylesheet" href="vendors/ti-icons/css/themify-icons.css">
    <link rel="stylesheet" type="text/css" href="js/select.dataTables.min.css">
    <!-- End plugin css for this page -->
    <!-- inject:css -->
    <link rel="stylesheet" href="css/vertical-layout-light/style.css">
    <!-- endinject -->
    <link rel="shortcut icon" href="images/favicon.png" />
  </head>
  <body>
    <div class="container-scroller">
      <!-- partial:partials/_navbar.html -->
      <nav class="navbar col-lg-12 col-12 p-0 fixed-top d-flex flex-row">
        <div class="text-center navbar-brand-wrapper d-flex align-items-center justify-
content-center">
          <a class="navbar-brand brand-logo mr-5" href="#"></a>
          <a class="navbar-brand brand-logo-mini" href="#"></a>
        </div>
        <div class="navbar-menu-wrapper d-flex align-items-center justify-content-end">
          <button class="navbar-toggler navbar-toggler align-self-center" type="button"
data-toggle="minimize">
            <span class="icon-menu"></span>

```

```

</button>
<ul class="navbar-nav mr-lg-2">
  <li class="nav-item nav-search d-none d-lg-block">
    <div class="input-group">
      <div class="input-group-prepend hover-cursor" id="navbar-search-icon">
      </div>
      <center> <h3>ADMINISTRATOR</h3></center>
    </div>
  </li>
</ul>
<ul class="navbar-nav navbar-nav-right">
  <li class="nav-item nav-profile dropdown">
    <a class="nav-link dropdown-toggle" href="#" data-toggle="dropdown"
id="profileDropdown">
      <i class="icon-lock"></i>
    </a>
    <div class="dropdown-menu dropdown-menu-right navbar-dropdown" aria-
labelledby="profileDropdown">
      <a class="dropdown-item" href="logout.jsp">
        <i class="ti-power-off text-primary"></i>
        Logout
      </a>
    </div>
  </li>
</ul>
</div>
</nav>
<%
    if (request.getParameter("Granted") != null) {%>
<script>alert('User Account Activated');</script>
<%}
%>
<!-- partial -->
<div class="container-fluid page-body-wrapper">
  <!-- partial -->
  <!-- partial:partials/_sidebar.html -->
  <nav class="sidebar sidebar-offcanvas" id="sidebar">
    <ul class="nav">
      <li class="nav-item">
        <a class="nav-link" href="Admin_home.jsp">

```

```

        <i class="icon-grid menu-icon"></i>
        <span class="menu-title">Dashboard</span>
    </a>
</li>
<li class="nav-item">
    <a class="nav-link " href="UserActive.jsp">
        <i class="ti-user menu-icon"></i>
        <span class="menu-title">Activations</span>
    </a>
</li>
<li class="nav-item">
    <a class="nav-link" href="Rejected.jsp">
        <i class="ti-user menu-icon"></i>
        <span class="menu-title">Rejected Account</span>
    </a>
</li>

<li class="nav-item">
    <a class="nav-link active" href="ActiveUsers.jsp">
        <i class="ti-user menu-icon"></i>
        <span class="menu-title">Active Users</span>
    </a>
</li>
<li class="nav-item">
    <a class="nav-link" href="UserTransactions.jsp">
        <i class="ti-money menu-icon"></i>
        <span class="menu-title">Transactions</span>
    </a>
</li>
<li class="nav-item">
    <a class="nav-link" href="UserComplaints.jsp">
        <i class="icon-mail menu-icon"></i>
        <span class="menu-title">Complaints</span>
    </a>
</li>
</ul>
</nav>
<!-- partial -->
<div class="main-panel">

```

```

<div class="content-wrapper">
  <div class="row">
    <div class="col-md-12 grid-margin">
      <div class="row">
        <div class="col-md-12 grid-margin stretch-card">
          <div class="card">
            <div class="card-body">
              <p class="card-title mb-0">Active Users</p>
              <div class="table-responsive">
                <table class="table table-striped table-borderless">
                  <thead>
                    <tr>
                      <th>Id</th>
                      <th>Name</th>
                      <th>Account No</th>
                      <th>Status</th>
                      <th>Time</th>
                    </tr>
                  </thead>
                  <tbody>
                    <%
                      AESScryptography aes = new AESScryptography();
                      Connection con = SQLconnection.getconnection();
                      Statement st = con.createStatement();
                      try {
                        ResultSet rs = st.executeQuery("Select * from
accdetails");

                        while (rs.next()) {

                          %>
                          <tr>
                            <td class="font-weight-
bold"><%=rs.getString("id")%></td>
                            <td ><%=aes.decrypt(rs.getString("name"))%></td>
                            <td class="font-weight-
bold"><%=aes.decrypt(rs.getString("accno"))%></td>
                            <td class="font-weight-medium"><div class="badge
badge-success"><%=rs.getString("statuss")%></div></td>
                            <td><%=aes.decrypt(rs.getString("time"))%></td>
                          <%
                        }

```

```

        rs.close();
        con.close();
    } catch (Exception ex) {
        ex.printStackTrace();
    }

    %>
</tr>
</tbody>
</table>
</div>
</div>
</div>
</div>
</div>
</div>
</div>
</div>
</div>
</div>
<!-- content-wrapper ends -->
<!-- partial:partials/_footer.html -->
<footer class="footer">
    <div class="d-sm-flex justify-content-center justify-content-sm-between">
        <span class="text-muted text-center text-sm-left d-block d-sm-inline-
block">Copyright © 2022 All rights reserved.</span>
    </div>
</footer>
<!-- partial -->
</div>
<!-- main-panel ends -->
</div>
<!-- page-body-wrapper ends -->
</div>
<!-- container-scroller -->

<!-- plugins:js -->
<script src="vendors/js/vendor.bundle.base.js"></script>
<!-- endinject -->
<!-- Plugin js for this page -->
<script src="vendors/chart.js/Chart.min.js"></script>

```

```

<script src="vendors/datatables.net/jquery.dataTables.js"></script>
<script src="vendors/datatables.net-bs4/dataTables.bootstrap4.js"></script>
<script src="js/dataTables.select.min.js"></script>

<!-- End plugin js for this page -->
<!-- inject:js -->
<script src="js/off-canvas.js"></script>
<script src="js/hoverable-collapse.js"></script>
<script src="js/template.js"></script>
<script src="js/settings.js"></script>
<script src="js/todolist.js"></script>
<!-- endinject -->
<!-- Custom js for this page-->
<script src="js/dashboard.js"></script>
<script src="js/Chart.roundedBarCharts.js"></script>
<!-- End custom js for this page-->
</body>
</html>

```

3- ADMIN_HOME

```

<%@page import="java.util.Date"%>
<%@page contentType="text/html" pageEncoding="UTF-8"%>
<!DOCTYPE html>
<html lang="en">

<head>
<!-- Required meta tags -->
<meta charset="utf-8">
<meta name="viewport" content="width=device-width, initial-scale=1, shrink-to-fit=no">
<title>Online Transaction System With Cryptography(AES)</title>
<!-- plugins:css -->
<link rel="stylesheet" href="vendors/feather/feather.css">
<link rel="stylesheet" href="vendors/ti-icons/css/themify-icons.css">
<link rel="stylesheet" href="vendors/css/vendor.bundle.base.css">
<!-- endinject -->
<!-- Plugin css for this page -->
<link rel="stylesheet" href="vendors/datatables.net-bs4/dataTables.bootstrap4.css">
<link rel="stylesheet" href="vendors/ti-icons/css/themify-icons.css">
<link rel="stylesheet" type="text/css" href="js/select.dataTables.min.css">

```

```

<!-- End plugin css for this page -->
<!-- inject:css -->
<link rel="stylesheet" href="css/vertical-layout-light/style.css">
<!-- endinject -->
<link rel="shortcut icon" href="images/favicon.png" />
</head>
<body>
  <div class="container-scroller">
    <!-- partial:partials/_navbar.html -->
    <nav class="navbar col-lg-12 col-12 p-0 fixed-top d-flex flex-row" >
      <div class="text-center navbar-brand-wrapper d-flex align-items-center justify-content-center">
        <a class="navbar-brand brand-logo mr-5" href="#"></a>
        <a class="navbar-brand brand-logo-mini" href="#"></a>
      </div>
      <div class="navbar-menu-wrapper d-flex align-items-center justify-content-end">
        <button class="navbar-toggler navbar-toggler align-self-center" type="button" data-
toggle="minimize">
          <span class="icon-menu"></span>
        </button>
        <ul class="navbar-nav mr-lg-2">
          <li class="nav-item nav-search d-none d-lg-block">
            <div class="input-group">
              <div class="input-group-prepend hover-cursor" id="navbar-search-icon">
                </div>
              <center> <h3>ADMINISTRATOR</h3></center>
            </div>
          </li>
        </ul>
        <ul class="navbar-nav navbar-nav-right">
          <li class="nav-item nav-profile dropdown">
            <a class="nav-link dropdown-toggle" href="#" data-toggle="dropdown"
id="profileDropdown">
              <i class="icon-lock"></i>
            </a>
            <div class="dropdown-menu dropdown-menu-right navbar-dropdown" aria-
labelledby="profileDropdown">
              <a class="dropdown-item" href="logout.jsp">

```

```

        <i class="ti-power-off text-primary"></i>
        Logout
    </a>
</div>
</li>
</ul>
</div>
</nav>
<!-- partial -->
<div class="container-fluid page-body-wrapper">
    <!-- partial -->
    <!-- partial:partials/_sidebar.html -->
    <nav class="sidebar sidebar-offcanvas" id="sidebar">
        <ul class="nav">
            <li class="nav-item">
                <a class="nav-link active" href="Admin_home.jsp" >
                    <i class="icon-grid menu-icon"></i>
                    <span class="menu-title">Dashboard</span>
                </a>
            </li>
            <li class="nav-item">
                <a class="nav-link" href="UserActive.jsp">
                    <i class="ti-user menu-icon"></i>
                    <span class="menu-title">Activations</span>
                </a>
            </li>
            <li class="nav-item">
                <a class="nav-link" href="Rejected.jsp">
                    <i class="ti-user menu-icon"></i>
                    <span class="menu-title">Rejected Account</span>
                </a>
            </li>
            <li class="nav-item">
                <a class="nav-link" href="ActiveUsers.jsp">
                    <i class="ti-user menu-icon"></i>
                    <span class="menu-title">Active Users</span>
                </a>
            </li>
            <li class="nav-item">

```

```

    <a class="nav-link" href="UserTransactions.jsp">
      <i class="ti-money menu-icon"></i>
      <span class="menu-title">Transactions</span>
    </a>
  </li>
  <li class="nav-item">
    <a class="nav-link" href="UserComplaints.jsp">
      <i class="icon-mail menu-icon"></i>
      <span class="menu-title">Complaints</span>
    </a>
  </li>
</ul>
</nav>
<!-- partial -->
<div class="main-panel">
  <div class="content-wrapper">
    <div class="row">
      <div class="col-md-12 grid-margin">
        <div class="row">
          <div class="col-12 col-xl-8 mb-4 mb-xl-0">
            <h3 class="font-weight-bold">Welcome Admin</h3>
            <h6 class="font-weight-normal mb-0">All systems are running smoothly!</h6>
          </div>
          <div class="col-12 col-xl-4">
            <div class="justify-content-end d-flex">
              <div class="dropdown flex-md-grow-1 flex-xl-grow-0">
                <button class="btn btn-sm btn-light bg-white" type="button" aria-
haspopup="true" aria-expanded="true">
                  <i class="mdi mdi-calendar"></i> <%Date date = new Date();%>
<%=date.toString()%>
                </button>
              </div>
            </div>
          </div>
        </div>
      </div>
    </div>
    <div class="row">
      <div class="col-md-6 grid-margin stretch-card">
        <div class="card tale-bg">

```

```

<div class="card-people mt-auto">
  
  <div class="weather-info">
    <div class="d-flex">
      <div>
        <h2 class="mb-0 font-weight-normal"><i class="icon-sun mr-
2"></i>31<sup>C</sup></h2>
      </div>
      <div class="ml-2">
        <h4 class="location font-weight-normal">Mumbai</h4>
        <h6 class="font-weight-normal">India</h6>
      </div>
    </div>
  </div>
</div>
</div>
</div>
</div>
</div>
</div>
<!-- content-wrapper ends -->
<!-- partial:partials/_footer.html -->
<footer class="footer">
  <div class="d-sm-flex justify-content-center justify-content-sm-between">
    <span class="text-muted text-center text-sm-left d-block d-sm-inline-
block">Copyright © 2022 All rights reserved.</span>
  </div>
</footer>
<!-- partial -->
</div>
<!-- main-panel ends -->
</div>
<!-- page-body-wrapper ends -->
</div>
<!-- container-scroller -->

<!-- plugins:js -->
<script src="vendors/js/vendor.bundle.base.js"></script>
<!-- endinject -->
<!-- Plugin js for this page -->
<script src="vendors/chart.js/Chart.min.js"></script>

```

```

<script src="vendors/datatables.net/jquery.dataTables.js"></script>
<script src="vendors/datatables.net-bs4/dataTables.bootstrap4.js"></script>
<script src="js/dataTables.select.min.js"></script>

<!-- End plugin js for this page -->
<!-- inject:js -->
<script src="js/off-canvas.js"></script>
<script src="js/hoverable-collapse.js"></script>
<script src="js/template.js"></script>
<script src="js/settings.js"></script>
<script src="js/todolist.js"></script>
<!-- endinject -->
<!-- Custom js for this page-->
<script src="js/dashboard.js"></script>
<script src="js/Chart.roundedBarCharts.js"></script>
<!-- End custom js for this page-->
</body>
</html>

```

4-COMPLAINTS

```

<%@page import="java.sql.ResultSet"%>
<%@page import="java.sql.Statement"%>
<%@page import="Database.SQLconnection"%>
<%@page import="java.sql.Connection"%>
<%@page import="algorithm.AEScryptography"%>
<%@page import="java.util.Date"%>
<%@page contentType="text/html" pageEncoding="UTF-8"%>
<!DOCTYPE html>
<html lang="en">

<head>
    <!-- Required meta tags -->
    <meta charset="utf-8">
    <meta name="viewport" content="width=device-width, initial-scale=1, shrink-to-fit=no">
    <title>Transfer</title>
    <!-- plugins:css -->
    <link rel="stylesheet" href="vendors/feather/feather.css">

```

```

<link rel="stylesheet" href="vendors/ti-icons/css/themify-icons.css">
<link rel="stylesheet" href="vendors/css/vendor.bundle.base.css">
<!-- endinject -->
<!-- Plugin css for this page -->
<link rel="stylesheet" href="vendors/datatables.net-bs4/dataTables.bootstrap4.css">
<link rel="stylesheet" href="vendors/ti-icons/css/themify-icons.css">
<link rel="stylesheet" type="text/css" href="js/select.dataTables.min.css">
<!-- End plugin css for this page -->
<!-- inject:css -->
<link rel="stylesheet" href="css/vertical-layout-light/style.css">
<!-- endinject -->
<link rel="shortcut icon" href="images/favicon.png" />
</head>
<%
    if (request.getParameter("Success") != null) {%>
<script>alert('Complaint Registered');</script>
<%}
%>

<%
    if (request.getParameter("Failed") != null) {%>
<script>alert('Complaint Failed');</script>
<%}
%>

<%
    if (request.getParameter("insufficient") != null) {%>
<script>alert('Balance Insufficient');</script>
<%}
%>

<%
    if (request.getParameter("Pinfailed") != null) {%>
<script>alert('Incorrect Pin Number');</script>
<%}
%>

<%
    if (request.getParameter("Acnoinvalid") != null) {%>
<script>alert('Account number Invalid');</script>
<%}
%>

```

```

<body>
  <div class="container-scroller">
    <!-- partial:partials/_navbar.html -->
    <nav class="navbar col-lg-12 col-12 p-0 fixed-top d-flex flex-row" >
      <div class="text-center navbar-brand-wrapper d-flex align-items-center justify-content-center">
        <a class="navbar-brand brand-logo mr-5" href="#"></a>
        <a class="navbar-brand brand-logo-mini" href="#"></a>
      </div>
      <div class="navbar-menu-wrapper d-flex align-items-center justify-content-end">
        <button class="navbar-toggler navbar-toggler align-self-center" type="button"
data-toggle="minimize">
          <span class="icon-menu"></span>
        </button>
        <ul class="navbar-nav mr-lg-2">
          <li class="nav-item nav-search d-none d-lg-block">
            <div class="input-group">
              <div class="input-group-prepend hover-cursor" id="navbar-search-icon">
                </div>
              <center> <h3></h3></center>
            </div>
          </li>
        </ul>
        <ul class="navbar-nav navbar-nav-right">
          <li class="nav-item nav-profile dropdown">
            <a class="nav-link dropdown-toggle" href="#" data-toggle="dropdown"
id="profileDropdown">
              <i class="icon-lock"></i>
            </a>
            <div class="dropdown-menu dropdown-menu-right navbar-dropdown" aria-
labelledby="profileDropdown">
              <a class="dropdown-item" href="logout.jsp">
                <i class="ti-power-off text-primary"></i>
                Logout
              </a>
            </div>
          </li>
        </ul>

```

```

    </div>
</nav>
<!-- partial -->
<div class="container-fluid page-body-wrapper">
    <!-- partial -->
    <!-- partial:partials/_sidebar.html -->
    <nav class="sidebar sidebar-offcanvas" id="sidebar">
        <ul class="nav">
            <li class="nav-item">
                <a class="nav-link active" href="UserHome.jsp" >
                    <i class="icon-grid menu-icon"></i>
                    <span class="menu-title">Dashboard</span>
                </a>
            </li>
            <li class="nav-item">
                <a class="nav-link" href="Profile.jsp">
                    <i class="ti-user menu-icon"></i>
                    <span class="menu-title">Profile</span>
                </a>
            </li>
            <li class="nav-item">
                <a class="nav-link" href="Deposits.jsp">
                    <i class="ti-user menu-icon"></i>
                    <span class="menu-title">Deposits</span>
                </a>
            </li>
            <li class="nav-item">
                <a class="nav-link" href="Withdraw.jsp">
                    <i class="ti-money menu-icon"></i>
                    <span class="menu-title">Withdraw</span>
                </a>
            </li>
            <li class="nav-item">
                <a class="nav-link" href="Transfer.jsp">
                    <i class="ti-money menu-icon"></i>
                    <span class="menu-title">Transfer</span>
                </a>
            </li>
            <li class="nav-item">

```

```

        <a class="nav-link" href="Transactions.jsp">
            <i class="ti-calendar menu-icon"></i>
            <span class="menu-title">Transactions</span>
        </a>
    </li>
    <li class="nav-item">
        <a class="nav-link" href="Complaints.jsp">
            <i class="icon-mail menu-icon"></i>
            <span class="menu-title">Complaints</span>
        </a>
    </li>
</ul>
</nav>
<%
    String uid = session.getAttribute("uid").toString();
    AEsryptography aes = new AEsryptography();
    Connection con = SQLconnection.getconnection();
    Statement st = con.createStatement();
    try {
        ResultSet rs = st.executeQuery("Select * from accdetails where uid='" + uid +
        """);
        while (rs.next()) {

%>
<!-- partial -->
<div class="main-panel">
    <div class="content-wrapper">
        <div class="row">
            <div class="col-md-12 grid-margin">
                <div class="row">
                    <div class="col-12 col-xl-8 mb-4 mb-xl-0">
                        <h3 class="font-weight-bold">Complaints</h3>
                        <h6 class="font-weight-normal mb-0"></h6>
                    </div>
                    <div class="col-12 col-xl-4">
                        <div class="justify-content-end d-flex">
                            <div class="dropdown flex-md-grow-1 flex-xl-grow-0">
                                <button class="btn btn-sm btn-light bg-white" type="button"
                                aria-haspopup="true" aria-expanded="true">
                                    <i class="mdi mdi-calendar"></i> <%Date date = new

```

```

Date();%> <%=date.toString()%>
        </button>
    </div>
</div>
</div>
</div>
</div>
</div>
</div>
</div>
<div class="row">
    <div class="col-md-10 stretch-card" style="padding-left: 200px">
        <div class="card">
            <div class="card-body">
                <form action="complaints" method="post">
                    <h4 class="card-title">User Complaints</h4>
                    <p class="card-description">
                        <p>
                            <div class="form-group">
                                <input type="hidden" class="form-control"
value="<%=uid%>" placeholder="" name="id" aria-label="Account Number" readonly="">
                                <label for="exampleTextarea1">Kindly Enter Your
Complaints (Maximum 250 Characters Allowed)</label>
                                <textarea class="form-control" id="exampleTextarea1"
name="com" required="" maxlength="250" rows="4"></textarea>
                            </div>
                            <div class="form-group" style="padding-left: 250px">
                                <div class="input-group">
                                    <center><button type="submit" class="btn btn-primary mb-
2">Submit</button></center>
                                </div>
                            </div>
                        </form>
                    </div>
                </div>
            </div>
        </div>
    </div>
</div>
<%=
        }
        rs.close();
        con.close();
    } catch (Exception ex) {
        ex.printStackTrace();
    }
}

```

```

        }

    %>

</div>
<!-- content-wrapper ends -->
<!-- partial:partials/_footer.html -->
<footer class="footer">
    <div class="d-sm-flex justify-content-center justify-content-sm-between">
        <span class="text-muted text-center text-sm-left d-block d-sm-inline-
block">Copyright © 2022 All rights reserved.</span>
    </div>
</footer>
<!-- partial -->
</div>
<!-- main-panel ends -->
</div>
<!-- page-body-wrapper ends -->
</div>
<!-- container-scroller -->
<script>
    function myFunction() {
        var x = document.getElementById("myInput");
        if (x.type === "password") {
            x.type = "text";
        } else {
            x.type = "password";
        }
    }
</script>

<!-- plugins:js -->
<script src="vendors/js/vendor.bundle.base.js"></script>
<!-- endinject -->
<!-- Plugin js for this page -->
<script src="vendors/chart.js/Chart.min.js"></script>
<script src="vendors/datatables.net/jquery.dataTables.js"></script>
<script src="vendors/datatables.net-bs4/dataTables.bootstrap4.js"></script>
<script src="js/dataTables.select.min.js"></script>

```

```

<!-- End plugin js for this page -->
<!-- inject:js -->
<script src="js/off-canvas.js"></script>
<script src="js/hoverable-collapse.js"></script>
<script src="js/template.js"></script>
<script src="js/settings.js"></script>
<script src="js/todolist.js"></script>
<!-- endinject -->
<!-- Custom js for this page-->
<script src="js/dashboard.js"></script>
<script src="js/Chart.roundedBarCharts.js"></script>
<!-- End custom js for this page-->
</body>
</html>

```

5-DEPOSITS

```

<%@page import="java.sql.ResultSet"%>
<%@page import="java.sql.Statement"%>
<%@page import="Database.SQLconnection"%>
<%@page import="java.sql.Connection"%>
<%@page import="algorithm.AEScryptography"%>
<%@page import="java.util.Date"%>
<%@page contentType="text/html" pageEncoding="UTF-8"%>
<!DOCTYPE html>
<html lang="en">

<head>
  <!-- Required meta tags -->
  <meta charset="utf-8">
  <meta name="viewport" content="width=device-width, initial-scale=1, shrink-to-
fit=no">
  <title>Deposits</title>
  <!-- plugins:css -->
  <link rel="stylesheet" href="vendors/feather/feather.css">
  <link rel="stylesheet" href="vendors/ti-icons/css/themify-icons.css">
  <link rel="stylesheet" href="vendors/css/vendor.bundle.base.css">
  <!-- endinject -->
  <!-- Plugin css for this page -->

```

```

<link rel="stylesheet" href="vendors/datatables.net-bs4/dataTables.bootstrap4.css">
<link rel="stylesheet" href="vendors/ti-icons/css/themify-icons.css">
<link rel="stylesheet" type="text/css" href="js/select.dataTables.min.css">
<!-- End plugin css for this page -->
<!-- inject:css -->
<link rel="stylesheet" href="css/vertical-layout-light/style.css">
<!-- endinject -->
<link rel="shortcut icon" href="images/favicon.png" />
</head>
<style>

```

```

.Wrap {
  display: flex;
  justify-content: center;
  align-items: center;
}

```

```

.Base {
  background: #ccc;
  height: 378px;
  width: 595px;
  border-radius: 15px;
}

```

```

.Inner-wrap {
  background-color: #0c0014;
  background-image: url("data:image/svg+xml,%3Csvg
xmlns='http://www.w3.org/2000/svg' width='100%25' height='100%25' viewBox='0 0 1600
800'%3E%3Cg %3E%3Cpolygon fill='%230d1838' points='1600%2C160 0%2C460
0%2C350 1600%2C50'%3E%3Cpolygon fill='%230e315d' points='1600%2C260 0%2C560
0%2C450 1600%2C150'%3E%3Cpolygon fill='%230f4981' points='1600%2C360 0%2C660
0%2C550 1600%2C250'%3E%3Cpolygon fill='%231062a6' points='1600%2C460 0%2C760
0%2C650 1600%2C350'%3E%3Cpolygon fill='%23117aca' points='1600%2C800 0%2C800
0%2C750 1600%2C450'%3E%3C/g%3E%3C/svg%3E");
  background-size: auto 147%;
  background-position: center;
  position: relative;
  height: 100%;
  width: 100%;
}

```

```

    border-radius: 13px;
    padding: 20px 40px;
    box-sizing: border-box;
    color: #fff;
}

/* Controls top right logo */

.Logo {
    position: absolute;
    height: 80px;
    width: 80px;
    right: 0;
    top: 0;
    padding: inherit;
    fill: #117aca;
}

/* Controls chip icon */

.Chip {
    height: 80px;
    margin: 40px 0 25px 0;
}

.gold path{
    fill: url(#gold-gradient);
}

svg {
    display: block;
}

/* Controls name size */

.Logo-name {
    transform: scale(.5);
    margin-left: -75px;
}

```

```
.Card-number p {
  text-align: center;
}

.Card-number {
  margin-top: -25px;
  display: flex;
  justify-content: center;
  color: rgba(255, 255, 255, 0.9);
}

ul1 {
  padding: 0;
}

ul1 li1 {
  list-style: none;
  float: left;
  margin: 0px 10px;
  font-size: 2.2em;
}

#first-li {
  margin-left: 0;
}

#last-li {
  margin-right: 0;
}

.Expire {
  font-size: .75em;
  text-align: center;
}

.Expire h4 {
  font-weight: 400;
  color: #aaa;
```

```

margin: 0;
/* word-spacing: 9999999px; */
text-transform: uppercase;
}

.Expire p {
font-size: 1.55em;
color: rgba(255, 255, 255, 0.9);
}

.Name h3 {
position: absolute;
bottom: 0;
left: 18%;
text-transform: uppercase;
font-weight: 400;
font-size: 1.35em;
color: rgba(255, 255, 255, 0.85);
}

.Visa {
width: 115px;
position: absolute;
bottom: -145px;
right: 0;
padding: inherit;
}
</style>
<%
    if (request.getParameter("success") != null) {%>
<script>alert('Amount Deposit Success');</script>
<%}
%>

<%
    if (request.getParameter("Failed") != null) {%>
<script>alert('Amount Deposit Failed');</script>
<%}
%>

```

```

<%
    if (request.getParameter("insufficient") != null) {%>
<script>alert('Balance Insufficient');</script>
<%}
%>
<%
    if (request.getParameter("Pinfailed") != null) {%>
<script>alert('Incorrect Pin Number');</script>
<%}
%>
<body>
<div class="container-scroller">
    <!-- partial:partials/_navbar.html -->
    <nav class="navbar col-lg-12 col-12 p-0 fixed-top d-flex flex-row" >
        <div class="text-center navbar-brand-wrapper d-flex align-items-center justify-content-center">
            <a class="navbar-brand brand-logo mr-5" href="#"></a>
            <a class="navbar-brand brand-logo-mini" href="#"></a>
        </div>
        <div class="navbar-menu-wrapper d-flex align-items-center justify-content-end">
            <button class="navbar-toggler navbar-toggler align-self-center" type="button"
data-toggle="minimize">
                <span class="icon-menu"></span>
            </button>
            <ul class="navbar-nav mr-lg-2">
                <li class="nav-item nav-search d-none d-lg-block">
                    <div class="input-group">
                        <div class="input-group-prepend hover-cursor" id="navbar-search-icon">
                            </div>
                        <center> <h3></h3></center>
                    </div>
                </li>
            </ul>
            <ul class="navbar-nav navbar-nav-right">
                <li class="nav-item nav-profile dropdown">
                    <a class="nav-link dropdown-toggle" href="#" data-toggle="dropdown"
id="profileDropdown">
                        <i class="icon-lock"></i>

```

```

        </a>
        <div class="dropdown-menu dropdown-menu-right navbar-dropdown" aria-
labelledby="profileDropdown">
            <a class="dropdown-item" href="logout.jsp">
                <i class="ti-power-off text-primary"></i>
                Logout
            </a>
        </div>
    </li>
</ul>
</div>
</nav>
<!-- partial -->
<div class="container-fluid page-body-wrapper">
    <!-- partial -->
    <!-- partial:partials/_sidebar.html -->
    <nav class="sidebar sidebar-offcanvas" id="sidebar">
        <ul class="nav">
            <li class="nav-item">
                <a class="nav-link active" href="UserHome.jsp" >
                    <i class="icon-grid menu-icon"></i>
                    <span class="menu-title">Dashboard</span>
                </a>
            </li>
            <li class="nav-item">
                <a class="nav-link" href="Profile.jsp">
                    <i class="ti-user menu-icon"></i>
                    <span class="menu-title">Profile</span>
                </a>
            </li>
            <li class="nav-item">
                <a class="nav-link" href="Deposits.jsp">
                    <i class="ti-user menu-icon"></i>
                    <span class="menu-title">Deposits</span>
                </a>
            </li>
            <li class="nav-item">
                <a class="nav-link" href="Withdraw.jsp">
                    <i class="ti-money menu-icon"></i>

```

```

        <span class="menu-title">Withdraw</span>
    </a>
</li>
<li class="nav-item">
    <a class="nav-link" href="Transfer.jsp">
        <i class="ti-money menu-icon"></i>
        <span class="menu-title">Transfer</span>
    </a>
</li>
<li class="nav-item">
    <a class="nav-link" href="Transactions.jsp">
        <i class="ti-calendar menu-icon"></i>
        <span class="menu-title">Transactions</span>
    </a>
</li>
<li class="nav-item">
    <a class="nav-link" href="Complaints.jsp">
        <i class="icon-mail menu-icon"></i>
        <span class="menu-title">Complaints</span>
    </a>
</li>
</ul>
</nav>
<%
    String uid = session.getAttribute("uid").toString();
    AESScryptography aes = new AESScryptography();
    Connection con = SQLconnection.getconnection();
    Statement st = con.createStatement();
    try {
        ResultSet rs = st.executeQuery("Select * from accdetails where uid='" + uid +
""");
        while (rs.next()) {

%>
<!-- partial -->
<div class="main-panel">
    <div class="content-wrapper">
        <div class="row">
            <div class="col-md-12 grid-margin">

```

```

<div class="row">
  <div class="col-12 col-xl-8 mb-4 mb-xl-0">
    <h3 class="font-weight-bold">Bank Deposits</h3>
    <h6 class="font-weight-normal mb-0"></h6>
  </div>
  <div class="col-12 col-xl-4">
    <div class="justify-content-end d-flex">
      <div class="dropdown flex-md-grow-1 flex-xl-grow-0">
        <button class="btn btn-sm btn-light bg-white" type="button"
aria-haspopup="true" aria-expanded="true">
          <i class="mdi mdi-calendar"></i> <%Date date = new
Date();%> <%=date.toString()%>
        </button>
      </div>
    </div>
  </div>
</div>
</div>
</div>
</div>
<div class="row">
  <div class="col-md-10 stretch-card" style="padding-left: 200px">
    <div class="card">
      <div class="card-body">
        <form action="transact.jsp" method="post">
          <h4 class="card-title">Deposits</h4>
          <p class="card-description">
            Deposit Money into your account
          </p>
          <div class="form-group">
            <div class="input-group">
              <div class="input-group-prepend">
                <span class="input-group-text">@</span>
              </div>
              <input type="text" class="form-control"
value="<%=aes.decrypt(rs.getString("accno"))%">" placeholder="Account Number"
name="accno" aria-label="Username" readonly="" required="">
            </div>
          </div>
          <div class="form-group">
            <div class="input-group">

```

```

        <div class="input-group-prepend">
            <span class="input-group-text bg-primary text-
white">₹</span>
        </div>
        <input type="text" name="money" class="form-control" aria-
label="Amount (to the nearest Rupee)" required="" autocomplete="off">
        <input type="hidden" class="form-control" name="type"
value="Deposit" >
        <div class="input-group-append">
            <span class="input-group-text">.00</span>
        </div>
    </div>
</div>
<div class="form-group">
    <div class="input-group">
        <div class="input-group-prepend">
            <span class="input-group-text">#</span>
        </div>
        <input type="password" id="myInput" class="form-control"
placeholder="Pin Number" name="pin" aria-label="Pin Number" required=""
autocomplete="off">
    </div>

    <div class="form-check">
        <label class="form-check-label">
            <input class="checkbox" type="checkbox"
onclick="myFunction()">
            Show Pin Number
        </label>
    </div>
</div>
<div class="form-group" style="padding-left: 250px">
    <div class="input-group">
        <center><button type="submit" class="btn btn-primary mb-
2">Deposit</button></center>
    </div>
</div>
</form>
</div>

```

```

        </div>
    </div>
</div>
<%
    rs.close();
    con.close();
} catch (Exception ex) {
    ex.printStackTrace();
}

%>

</div>
<!-- content-wrapper ends -->
<!-- partial:partials/_footer.html -->
<footer class="footer">
    <div class="d-sm-flex justify-content-center justify-content-sm-between">
        <span class="text-muted text-center text-sm-left d-block d-sm-inline-block">Copyright © 2022 All rights reserved.</span>
    </div>
</footer>
<!-- partial -->
</div>
<!-- main-panel ends -->
</div>
<!-- page-body-wrapper ends -->
</div>
<!-- container-scroller -->
<script>
    function myFunction() {
        var x = document.getElementById("myInput");
        if (x.type === "password") {
            x.type = "text";
        } else {
            x.type = "password";
        }
    }
</script>

```

```

<!-- plugins:js -->
<script src="vendors/js/vendor.bundle.base.js"></script>
<!-- endinject -->
<!-- Plugin js for this page -->
<script src="vendors/chart.js/Chart.min.js"></script>
<script src="vendors/datatables.net/jquery.dataTables.js"></script>
<script src="vendors/datatables.net-bs4/dataTables.bootstrap4.js"></script>
<script src="js/dataTables.select.min.js"></script>

<!-- End plugin js for this page -->
<!-- inject:js -->
<script src="js/off-canvas.js"></script>
<script src="js/hoverable-collapse.js"></script>
<script src="js/template.js"></script>
<script src="js/settings.js"></script>
<script src="js/todolist.js"></script>
<!-- endinject -->
<!-- Custom js for this page-->
<script src="js/dashboard.js"></script>
<script src="js/Chart.roundedBarCharts.js"></script>
<!-- End custom js for this page-->
</body>
</html>

```

6-LOGIN

```

<%@page contentType="text/html" pageEncoding="UTF-8"%>
<!DOCTYPE html>
<html lang="en">

<head>
  <!-- Required meta tags -->
  <meta charset="utf-8">
  <meta name="viewport" content="width=device-width, initial-scale=1, shrink-to-fit=no">
  <title>Net Banking</title>
  <!-- plugins:css -->
  <link rel="stylesheet" href="vendors/feather/feather.css">
  <link rel="stylesheet" href="vendors/ti-icons/css/themify-icons.css">
  <link rel="stylesheet" href="vendors/css/vendor.bundle.base.css">

```

```

<!-- endinject -->
<!-- Plugin css for this page -->
<!-- End plugin css for this page -->
<!-- inject:css -->
<link rel="stylesheet" href="css/vertical-layout-light/style.css">
<!-- endinject -->
</head>
<%
    if (request.getParameter("Success") != null) {%>
<script>alert('Register Success');

```

```

<!-- Image Logo -->
<a class="navbar-brand logo-image" href="index.jsp" style="color: white">AES</a>
<!-- Mobile Menu Toggle Button -->
<button class="navbar-toggler" type="button" data-toggle="collapse" data-
target="#navbarsExampleDefault" aria-controls="navbarsExampleDefault" aria-
expanded="false" aria-label="Toggle navigation">
    <span class="navbar-toggler-awesome fas fa-bars"></span>
    <span class="navbar-toggler-awesome fas fa-times"></span>
</button>
<!-- end of mobile menu toggle button -->

<div class="collapse navbar-collapse" id="navbarsExampleDefault">
    <ul class="navbar-nav ml-auto">
        <li class="nav-item">
            <a class="nav-link page-scroll" style="color: white"
href="index.jsp#header">Home <span class="sr-only">(current)</span></a>
        </li>
        <li class="nav-item">
            <a class="nav-link page-scroll" style="color: white"
href="index.jsp#services">Services</a>
        </li>
        <li class="nav-item">
            <a class="nav-link page-scroll" style="color: white" href="Login.jsp">Net
Banking</a>
        </li>
        <li class="nav-item">
            <a class="nav-link page-scroll" style="color: white"
href="admin.jsp">Admin</a>
        </li>
    </ul>
</div>
</nav> <!-- end of navbar -->
<!-- end of navigation -->

<div class="container-scroller" style="background: #FC5C7D; /* fallback for old browsers
*/
background: -webkit-linear-gradient(to right, #6A82FB, #FC5C7D); /* Chrome 10-25, Safari
5.1-6 */
background: linear-gradient(to right, #6A82FB, #FC5C7D); /* W3C, IE 10+/ Edge, Firefox
16+, Chrome 26+, Opera 12+, Safari 7+ */
">
    <div class="container-fluid page-body-wrapper full-page-wrapper">

```

```

<div class="content-wrapper d-flex align-items-center auth px-0">
  <div class="row w-100 mx-0">
    <div class="col-lg-4 mx-auto">
      <div class="auth-form-light text-left py-5 px-4 px-sm-5">
        <div class="brand-logo">
        </div>
        <h4>Hello! let's get started</h4>
        <h6 class="font-weight-light">Sign in to continue.</h6>
        <form class="pt-3" action="/Ulog" method="post">
          <div class="form-group">
            <input type="email" class="form-control form-control-lg"
id="exampleInputEmail1" name="email" placeholder="Username" autocomplete="off">
          </div>
          <div class="form-group">
            <input type="password" class="form-control form-control-lg"
id="exampleInputPassword1" name="password" placeholder="Password"
autocomplete="off">
          </div>
          <div class="mt-3">
            <button class="btn btn-block btn-primary btn-lg font-weight-medium auth-form-
btn" type="submit" >SIGN IN</button>
          </div>
          <div class="my-2 d-flex justify-content-between align-items-center">
          </div>
          <div class="mb-2">
          </div>
          <div class="text-center mt-4 font-weight-light">
            Don't have an account? <a href="/register.jsp" class="text-primary">Create</a>
          </div>
        </form>
      </div>
    </div>
  </div>
</div>
<!-- content-wrapper ends -->
</div>
<!-- page-body-wrapper ends -->
</div>
<!-- container-scroller -->
<!-- plugins:js -->

```

```

<script src="vendors/js/vendor.bundle.base.js"></script>
<!-- endinject -->
<!-- Plugin js for this page -->
<!-- End plugin js for this page -->
<!-- inject:js -->
<script src="js/off-canvas.js"></script>
<script src="js/hoverable-collapse.js"></script>
<script src="js/template.js"></script>
<script src="js/settings.js"></script>
<script src="js/todolist.js"></script>
<!-- endinject -->
</body>

</html>

```

7- PROFILE

```

<%@page import="algorithm.AEScryptography"%>
<%@page import="java.sql.ResultSet"%>
<%@page import="java.sql.Statement"%>
<%@page import="Database.SQLconnection"%>
<%@page import="java.sql.Connection"%>
<%@page import="java.util.Date"%>
<%@page contentType="text/html" pageEncoding="UTF-8"%>
<!DOCTYPE html>
<html lang="en">

    <head>
        <!-- Required meta tags -->
        <meta charset="utf-8">
        <meta name="viewport" content="width=device-width, initial-scale=1, shrink-to-fit=no">
        <title>Profile</title>
        <!-- plugins:css -->
        <link rel="stylesheet" href="vendors/feather/feather.css">
        <link rel="stylesheet" href="vendors/ti-icons/css/themify-icons.css">
        <link rel="stylesheet" href="vendors/css/vendor.bundle.base.css">
        <!-- endinject -->
        <!-- Plugin css for this page -->

```

```

<link rel="stylesheet" href="vendors/datatables.net-bs4/dataTables.bootstrap4.css">
<link rel="stylesheet" href="vendors/ti-icons/css/themify-icons.css">
<link rel="stylesheet" type="text/css" href="js/select.dataTables.min.css">
<!-- End plugin css for this page -->
<!-- inject:css -->
<link rel="stylesheet" href="css/vertical-layout-light/style.css">
<!-- endinject -->
<link rel="shortcut icon" href="images/favicon.png" />
</head>
<body>
<div class="container-scroller">
  <!-- partial:partials/_navbar.html -->
  <nav class="navbar col-lg-12 col-12 p-0 fixed-top d-flex flex-row" >
    <div class="text-center navbar-brand-wrapper d-flex align-items-center justify-content-center">
      <a class="navbar-brand brand-logo mr-5" href="#"></a>
      <a class="navbar-brand brand-logo-mini" href="#"></a>
    </div>
    <div class="navbar-menu-wrapper d-flex align-items-center justify-content-end">
      <button class="navbar-toggler navbar-toggler align-self-center" type="button"
data-toggle="minimize">
        <span class="icon-menu"></span>
      </button>
      <ul class="navbar-nav mr-lg-2">
        <li class="nav-item nav-search d-none d-lg-block">
          <div class="input-group">
            <div class="input-group-prepend hover-cursor" id="navbar-search-icon">
              </div>
            <center> <h3></h3></center>
          </div>
        </li>
      </ul>
      <ul class="navbar-nav navbar-nav-right">
        <li class="nav-item nav-profile dropdown">
          <a class="nav-link dropdown-toggle" href="#" data-toggle="dropdown"
id="profileDropdown">
            <i class="icon-lock"></i>
          </a>

```

```

        <div class="dropdown-menu dropdown-menu-right navbar-dropdown" aria-
labelledby="profileDropdown">
            <a class="dropdown-item" href="logout.jsp">
                <i class="ti-power-off text-primary"></i>
                Logout
            </a>
        </div>
    </li>
</ul>
</div>
</nav>
<%
    String uid = session.getAttribute("uid").toString();
    System.err.println("uid check "+uid);
    AESScryptography aes = new AESScryptography();

    Connection con = SQLconnection.getconnection();
    Statement st = con.createStatement();
    try {
        ResultSet rs = st.executeQuery("Select * from accdetails where uid='" + uid + "'");
        while (rs.next()) {
            String address = rs.getString("name");
            System.out.println(address);
        }
    }
    %>
<!-- partial -->
<div class="container-fluid page-body-wrapper">
    <!-- partial -->
    <!-- partial:partials/_sidebar.html -->
    <nav class="sidebar sidebar-offcanvas" id="sidebar">
        <ul class="nav">
            <li class="nav-item">
                <a class="nav-link active" href="UserHome.jsp" >
                    <i class="icon-grid menu-icon"></i>
                    <span class="menu-title">Dashboard</span>
                </a>
            </li>
            <li class="nav-item">
                <a class="nav-link" href="Profile.jsp">
                    <i class="ti-user menu-icon"></i>

```

```

        <span class="menu-title">Profile</span>
    </a>
</li>
<li class="nav-item">
    <a class="nav-link" href="Deposits.jsp">
        <i class="ti-user menu-icon"></i>
        <span class="menu-title">Deposits</span>
    </a>
</li>
<li class="nav-item">
    <a class="nav-link" href="Withdraw.jsp">
        <i class="ti-money menu-icon"></i>
        <span class="menu-title">Withdraw</span>
    </a>
</li>
<li class="nav-item">
    <a class="nav-link" href="Transfer.jsp">
        <i class="ti-money menu-icon"></i>
        <span class="menu-title">Transfer</span>
    </a>
</li>
<li class="nav-item">
    <a class="nav-link" href="Transactions.jsp">
        <i class="ti-calendar menu-icon"></i>
        <span class="menu-title">Transactions</span>
    </a>
</li>
<li class="nav-item">
    <a class="nav-link" href="Complaints.jsp">
        <i class="icon-mail menu-icon"></i>
        <span class="menu-title">Complaints</span>
    </a>
</li>
</ul>
</nav>
<!-- partial -->
<div class="main-panel">
    <div class="content-wrapper">
        <div class="row">

```

```

<div class="col-md-12 grid-margin">
  <div class="row">
    <div class="col-12 grid-margin">
      <div class="card">
        <div class="card-body">
          <center><h4 class="card-title">Account Details</h4></center>
          <form class="form-sample" action="updatepin.jsp"
method="post">
            <p class="card-description">
              <h4 class="card-title">Photo</h4>
            </p>
            <div class="row">
              <div class="col-md-6">
                <center> " width="auto" height="130"></center>
              </div>
            </div>
            <p class="card-description">
              <h4 class="card-title">Personal Info</h4>
            </p>
            <div class="row">
              <div class="col-md-6">
                <div class="form-group row">
                  <label class="col-sm-3 col-form-label">Name</label>
                  <div class="col-sm-9">
                    <input type="text" class="form-control"
value="<%=aes.decrypt(rs.getString("name"))%>" required="" autocomplete="off"
disabled="" />
                  </div>
                </div>
              </div>
            </div>
            <div class="row">
              <div class="col-md-6">
                <div class="form-group row">
                  <label class="col-sm-3 col-form-label">Account
Number</label>
                  <div class="col-sm-9">
                    <input type="text" class="form-control"
value="<%=aes.decrypt(rs.getString("accno"))%>" required="" autocomplete="off"

```

```

disabled="" />

        </div>
    </div>
</div>
<div class="col-md-6">
    <div class="form-group row">
        <label class="col-sm-3 col-form-label">Account
Created Time</label>

        <div class="col-sm-9">
            <input type="text" class="form-control"
value="<%=aes.decrypt(rs.getString("time"))%" required="" autocomplete="off"
disabled="" />

            </div>
        </div>
    </div>
</div>
<div class="row">
    <div class="col-md-6">
        <div class="form-group row">
            <label class="col-sm-3 col-form-label">Status</label>
            <div class="col-sm-9">
                <input type="text" class="form-control"
value="<%=rs.getString("status")%" required="" autocomplete="off" disabled="" />
                </div>
            </div>
        </div>
    <div class="col-md-6">
        <div class="form-group row">
            <label class="col-sm-3 col-form-label">Pin
Number</label>

            <div class="col-sm-9">
                <input type="password" name="pin" id="myInput"
class="form-control" value="<%=aes.decrypt(rs.getString("pin"))%" required=""
autocomplete="off" />

                </div>
            <div class="col-sm-9">
                <div class="form-check">
                    <label class="form-check-label">
                        <input class="checkbox" type="checkbox"
onclick="myFunction()">
Show Pin Number

```

```

        </label>
    </div>
</div>
</div>
</div>
</div>
<center><button class="btn btn-group-lg btn-success"
>Update Pin</button></center>
    </form>
</div>
</div>
</div>
<div>
    <%
        }
    } catch (Exception ex) {
        System.out.println(ex);
    }

    %>
</div>
</div>
</div>
</div>
<!-- content-wrapper ends -->
<!-- partial:partials/_footer.html -->
<footer class="footer">
    <div class="d-sm-flex justify-content-center justify-content-sm-between">
        <span class="text-muted text-center text-sm-left d-block d-sm-inline-
block">Copyright © 2022 All rights reserved.</span>
    </div>
</footer>
<!-- partial -->
</div>
<!-- main-panel ends -->
</div>
<!-- page-body-wrapper ends -->
</div>
<!-- container-scroller -->
<script>
    function myFunction() {
        var x = document.getElementById("myInput");

```

```

        if (x.type === "password") {
            x.type = "text";
        } else {
            x.type = "password";
        }
    }
}
</script>

<!-- plugins:js -->
<script src="vendors/js/vendor.bundle.base.js"></script>
<!-- endinject -->
<!-- Plugin js for this page -->
<script src="vendors/chart.js/Chart.min.js"></script>
<script src="vendors/datatables.net/jquery.dataTables.js"></script>
<script src="vendors/datatables.net-bs4/dataTables.bootstrap4.js"></script>
<script src="js/dataTables.select.min.js"></script>

<!-- End plugin js for this page -->
<!-- inject:js -->
<script src="js/off-canvas.js"></script>
<script src="js/hoverable-collapse.js"></script>
<script src="js/template.js"></script>
<script src="js/settings.js"></script>
<script src="js/todolist.js"></script>
<!-- endinject -->
<!-- Custom js for this page-->
<script src="js/dashboard.js"></script>
<script src="js/Chart.roundedBarCharts.js"></script>
<!-- End custom js for this page-->
</body>
</html>

```

8- REJECTED

```

<%@page import="algorithm.AEScryptography"%>
<%@page import="java.sql.ResultSet"%>
<%@page import="java.sql.Statement"%>
<%@page import="Database.SQLconnection"%>
<%@page import="java.sql.Connection"%>

```

```

<%@page import="java.util.Date"%>
<%@page contentType="text/html" pageEncoding="UTF-8"%>
<!DOCTYPE html>
<html lang="en">

    <head>
        <!-- Required meta tags -->
        <meta charset="utf-8">
        <meta name="viewport" content="width=device-width, initial-scale=1, shrink-to-
fit=no">
        <title>Administer</title>
        <!-- plugins:css -->
        <link rel="stylesheet" href="vendors/feather/feather.css">
        <link rel="stylesheet" href="vendors/ti-icons/css/themify-icons.css">
        <link rel="stylesheet" href="vendors/css/vendor.bundle.base.css">
        <!-- endinject -->
        <!-- Plugin css for this page -->
        <link rel="stylesheet" href="vendors/datatables.net-bs4/dataTables.bootstrap4.css">
        <link rel="stylesheet" href="vendors/ti-icons/css/themify-icons.css">
        <link rel="stylesheet" type="text/css" href="js/select.dataTables.min.css">
        <!-- End plugin css for this page -->
        <!-- inject:css -->
        <link rel="stylesheet" href="css/vertical-layout-light/style.css">
        <!-- endinject -->
        <link rel="shortcut icon" href="images/favicon.png" />
    </head>
    <body>
        <div class="container-scroller">
            <!-- partial:partials/_navbar.html -->
            <nav class="navbar col-lg-12 col-12 p-0 fixed-top d-flex flex-row">
                <div class="text-center navbar-brand-wrapper d-flex align-items-center justify-
content-center">
                    <a class="navbar-brand brand-logo mr-5" href="#"></a>
                    <a class="navbar-brand brand-logo-mini" href="#"></a>
                </div>
                <div class="navbar-menu-wrapper d-flex align-items-center justify-content-end">
                    <button class="navbar-toggler navbar-toggler align-self-center" type="button"
data-toggle="minimize">

```

```

        <span class="icon-menu"></span>
    </button>
    <ul class="navbar-nav mr-lg-2">
        <li class="nav-item nav-search d-none d-lg-block">
            <div class="input-group">
                <div class="input-group-prepend hover-cursor" id="navbar-search-icon">
                    </div>
                <center> <h3>ADMINISTRATOR</h3></center>
            </div>
        </li>
    </ul>
    <ul class="navbar-nav navbar-nav-right">
        <li class="nav-item nav-profile dropdown">
            <a class="nav-link dropdown-toggle" href="#" data-toggle="dropdown"
id="profileDropdown">
                <i class="icon-lock"></i>
            </a>
            <div class="dropdown-menu dropdown-menu-right navbar-dropdown" aria-
labelledby="profileDropdown">
                <a class="dropdown-item" href="logout.jsp">
                    <i class="ti-power-off text-primary"></i>
                    Logout
                </a>
            </div>
        </li>
    </ul>
</div>
</nav>
<!-- partial -->
<div class="container-fluid page-body-wrapper">
    <!-- partial -->
    <!-- partial:partials/_sidebar.html -->
    <nav class="sidebar sidebar-offcanvas" id="sidebar">
        <ul class="nav">
            <li class="nav-item">
                <a class="nav-link" href="Admin_home.jsp">
                    <i class="icon-grid menu-icon"></i>
                    <span class="menu-title">Dashboard</span>
                </a>
            </li>

```

```

        <li class="nav-item">
            <a class="nav-link active" href="UserActive.jsp">
                <i class="ti-user menu-icon"></i>
                <span class="menu-title">Activations</span>
            </a>
        </li>
        <li class="nav-item">
            <a class="nav-link" href="Rejected.jsp">
                <i class="ti-user menu-icon"></i>
                <span class="menu-title">Rejected Account</span>
            </a>
        </li>
        <li class="nav-item">
            <a class="nav-link" href="ActiveUsers.jsp">
                <i class="ti-user menu-icon"></i>
                <span class="menu-title">Active Users</span>
            </a>
        </li>
        <li class="nav-item">
            <a class="nav-link" href="UserTransactions.jsp">
                <i class="ti-money menu-icon"></i>
                <span class="menu-title">Transactions</span>
            </a>
        </li>
        <li class="nav-item">
            <a class="nav-link" href="UserComplaints.jsp">
                <i class="icon-mail menu-icon"></i>
                <span class="menu-title">Complaints</span>
            </a>
        </li>
    </ul>
</nav>
<%
    if (request.getParameter("Rejected") != null) {%>
<script>alert("User Rejected");</script>
<%}
%>
<!-- partial -->
<div class="main-panel">

```

```

<div class="content-wrapper">
  <div class="row">
    <div class="col-md-12 grid-margin">
      <div class="row">
        <div class="col-md-12 grid-margin stretch-card">
          <div class="card">
            <div class="card-body">
              <p class="card-title mb-0">Rejected Users</p>
              <div class="table-responsive">
                <table class="table table-striped table-borderless">
                  <thead>
                    <tr>
                      <th>Id</th>
                      <th>Name</th>
                      <th>Mail ID</th>
                      <th>Phone</th>
                      <th>Status</th>
                      <th>Action</th>
                    </tr>
                  </thead>
                  <tbody>
                    <%
                      AEScryptography aes = new AEScryptography();
                      Connection con = SQLconnection.getconnection();
                      Statement st = con.createStatement();
                      try {
                        ResultSet rs = st.executeQuery("Select * from
usercreate where status='Reject'");
                        while (rs.next()) {

                          %>
                        <tr>
                          <td><%=rs.getString("id")%></td>
                          <td class="font-weight-
bold"><%=aes.decrypt(rs.getString("name"))%></td>
                          <td><%=aes.decrypt(rs.getString("mailid"))%></td>
                          <td><%=aes.decrypt(rs.getString("mobile"))%></td>
                          <td class="font-weight-medium"><div class="badge
badge-danger"><%=rs.getString("status")%></div></td>
                          <td><div class="badge badge-warning"><a

```

```
href="activate.jsp?id=<%=rs.getString("id")%>">View</a></div></td>
```

```

        <%
            rs.close();
            con.close();
        } catch (Exception ex) {
            ex.printStackTrace();
        }

        %>
    </tr>
</tbody>
</table>
</div>
</div>
</div>
</div>
</div>
</div>
</div>
</div>
</div>
<!-- content-wrapper ends -->
<!-- partial:partials/_footer.html -->
<footer class="footer">
    <div class="d-sm-flex justify-content-center justify-content-sm-between">
        <span class="text-muted text-center text-sm-left d-block d-sm-inline-
block">Copyright © 2022 All rights reserved.</span>
    </div>
</footer>
<!-- partial -->
</div>
<!-- main-panel ends -->
</div>
<!-- page-body-wrapper ends -->
</div>
<!-- container-scroller -->

<!-- plugins:js -->
<script src="vendors/js/vendor.bundle.base.js"></script>

```

```

<!-- endinject -->
<!-- Plugin js for this page -->
<script src="vendors/chart.js/Chart.min.js"></script>
<script src="vendors/datatables.net/jquery.dataTables.js"></script>
<script src="vendors/datatables.net-bs4/dataTables.bootstrap4.js"></script>
<script src="js/dataTables.select.min.js"></script>

<!-- End plugin js for this page -->
<!-- inject:js -->
<script src="js/off-canvas.js"></script>
<script src="js/hoverable-collapse.js"></script>
<script src="js/template.js"></script>
<script src="js/settings.js"></script>
<script src="js/todolist.js"></script>
<!-- endinject -->
<!-- Custom js for this page-->
<script src="js/dashboard.js"></script>
<script src="js/Chart.roundedBarCharts.js"></script>
<!-- End custom js for this page-->
</body>
</html>

```

9-TRANSACTIONS

```

<%@page import="java.sql.ResultSet"%>
<%@page import="java.sql.Statement"%>
<%@page import="Database.SQLconnection"%>
<%@page import="java.sql.Connection"%>
<%@page import="algorithm.AEScryptography"%>
<%@page import="java.util.Date"%>
<%@page contentType="text/html" pageEncoding="UTF-8"%>
<!DOCTYPE html>
<html lang="en">

<head>
<!-- Required meta tags -->
<meta charset="utf-8">
<meta name="viewport" content="width=device-width, initial-scale=1, shrink-to-
fit=no">

```

```

<title>User</title>
<!-- plugins:css -->
<link rel="stylesheet" href="vendors/feather/feather.css">
<link rel="stylesheet" href="vendors/ti-icons/css/themify-icons.css">
<link rel="stylesheet" href="vendors/css/vendor.bundle.base.css">
<!-- endinject -->
<!-- Plugin css for this page -->
<link rel="stylesheet" href="vendors/datatables.net-bs4/dataTables.bootstrap4.css">
<link rel="stylesheet" href="vendors/ti-icons/css/themify-icons.css">
<link rel="stylesheet" type="text/css" href="js/select.dataTables.min.css">
<!-- End plugin css for this page -->
<!-- inject:css -->
<link rel="stylesheet" href="css/vertical-layout-light/style.css">
<!-- endinject -->
<link rel="shortcut icon" href="images/favicon.png" />
</head>

<body>
  <div class="container-scroller">
    <!-- partial:partials/_navbar.html -->
    <nav class="navbar col-lg-12 col-12 p-0 fixed-top d-flex flex-row" >
      <div class="text-center navbar-brand-wrapper d-flex align-items-center justify-content-center">
        <a class="navbar-brand brand-logo mr-5" href="#"></a>
        <a class="navbar-brand brand-logo-mini" href="#"></a>
      </div>
      <div class="navbar-menu-wrapper d-flex align-items-center justify-content-end">
        <button class="navbar-toggler navbar-toggler align-self-center" type="button"
data-toggle="minimize">
          <span class="icon-menu"></span>
        </button>
        <ul class="navbar-nav mr-lg-2">
          <li class="nav-item nav-search d-none d-lg-block">
            <div class="input-group">
              <div class="input-group-prepend hover-cursor" id="navbar-search-icon">
                </div>
              <center> <h3></h3></center>
            </div>
          </li>
        </ul>
      </div>
    </nav>
  </div>

```

```

        </li>
    </ul>
    <ul class="navbar-nav navbar-nav-right">
        <li class="nav-item nav-profile dropdown">
            <a class="nav-link dropdown-toggle" href="#" data-toggle="dropdown"
id="profileDropdown">
                <i class="icon-lock"></i>
            </a>
            <div class="dropdown-menu dropdown-menu-right navbar-dropdown" aria-
labelledby="profileDropdown">
                <a class="dropdown-item" href="logout.jsp">
                    <i class="ti-power-off text-primary"></i>
                    Logout
                </a>
            </div>
        </li>
    </ul>
</div>
</nav>
<!-- partial -->
<div class="container-fluid page-body-wrapper">
    <!-- partial -->
    <!-- partial:partials/_sidebar.html -->
    <nav class="sidebar sidebar-offcanvas" id="sidebar">
        <ul class="nav">
            <li class="nav-item">
                <a class="nav-link active" href="UserHome.jsp" >
                    <i class="icon-grid menu-icon"></i>
                    <span class="menu-title">Dashboard</span>
                </a>
            </li>
            <li class="nav-item">
                <a class="nav-link" href="Profile.jsp">
                    <i class="ti-user menu-icon"></i>
                    <span class="menu-title">Profile</span>
                </a>
            </li>
            <li class="nav-item">
                <a class="nav-link" href="Deposits.jsp">
                    <i class="ti-user menu-icon"></i>

```

```

        <span class="menu-title">Deposits</span>
    </a>
</li>
<li class="nav-item">
    <a class="nav-link" href="Withdraw.jsp">
        <i class="ti-money menu-icon"></i>
        <span class="menu-title">Withdraw</span>
    </a>
</li>
<li class="nav-item">
    <a class="nav-link" href="Transfer.jsp">
        <i class="ti-money menu-icon"></i>
        <span class="menu-title">Transfer</span>
    </a>
</li>
<li class="nav-item">
    <a class="nav-link" href="Transactions.jsp">
        <i class="ti-calendar menu-icon"></i>
        <span class="menu-title">Transactions</span>
    </a>
</li>
<li class="nav-item">
    <a class="nav-link" href="Complaints.jsp">
        <i class="icon-mail menu-icon"></i>
        <span class="menu-title">Complaints</span>
    </a>
</li>
</ul>
</nav>
<!-- partial -->
<div class="main-panel">
    <div class="content-wrapper">
        <div class="row">
            <div class="col-md-12 grid-margin">
                <div class="row">
                    <div class="col-md-12 grid-margin stretch-card">
                        <div class="card">
                            <div class="card-body">
                                <p class="card-title mb-0">Your Transactions(Transactions

```

Made By You)</p>

```
<div class="table-responsive">
  <table class="table table-striped table-borderless">
    <thead>
      <tr>
        <th>Id</th>
        <th>Type</th>
        <th>Account Number</th>
        <th>To Account</th>
        <th>To Name</th>
        <th>Amount</th>
        <th>Status</th>
        <th>Time</th>
      </tr>
    </thead>
    <tbody>
      <%
        String uid = session.getAttribute("uid").toString();
        AESScryptography aes = new AESScryptography();
        Connection con = SQLconnection.getconnection();
        Statement st = con.createStatement();
        String acno = null;
        try {
          ResultSet rs = st.executeQuery("Select * from
transactions where uid='" + uid + "'");
          while (rs.next()) {
            acno = rs.getString("accno");
            %>
            <tr>
              <td><%=rs.getString("id")%></td>
              <td class="font-weight-
bold"><%=aes.decrypt(rs.getString("type"))%></td>
              <td><%=aes.decrypt(rs.getString("accno"))%></td>
              <td><%=aes.decrypt(rs.getString("toaccount"))%></td>
              <td><%=aes.decrypt(rs.getString("toname"))%></td>
              <td><%=aes.decrypt(rs.getString("amount"))%></td>
              <%
                String statuss = aes.decrypt(rs.getString("statuss"));
                System.out.println("check ticket: " + statuss);
```

```

String green = "Credit";
String yellow = "Success";
String batch = null;
if (status.equals("Credit") &&
green.equals("Credit")) {
    batch = "badge-success";
}
else if (status.equals("Success") &&
yellow.equals("Success"))
{
    batch = "badge-warning";
}
else {
    batch = "badge-danger";
}
%>
<td class="font-weight-medium"><div class="badge
<%=batch%>"><%=aes.decrypt(rs.getString("status"))%></div></td>
<td><%=aes.decrypt(rs.getString("time"))%></td>
<%
        }
        rs.close();
        con.close();
    } catch (Exception ex) {
        ex.printStackTrace();
    }

    %>
</tr>
</tbody>
</table>
</div>
</div>
</div>
</div>
<div class="col-md-12 grid-margin stretch-card">
    <div class="card">
        <div class="card-body">
            <p class="card-title mb-0">Transfers from other accounts</p>
            <div class="table-responsive">

```

```

<table class="table table-striped table-borderless">
  <thead>
    <tr>
      <th>Id</th>
      <th>Type</th>
      <th>From Acc. Number</th>
      <th>Amount</th>
      <th>Status</th>
      <th>Time</th>
    </tr>
  </thead>
  <tbody>
    <%
      Connection con1 = SQLconnection.getconnection();
      Statement st1 = con1.createStatement();
      System.out.println("Accno "+acno);
      try {
        ResultSet rs1 = st1.executeQuery("Select * from
transactions where toaccount='' + acno + '");
        while (rs1.next()) {

          <tr>
            <td><%=rs1.getString("id")%></td>
            <td class="font-weight-
bold"><%=aes.decrypt(rs1.getString("type"))%></td>
            <td><%=aes.decrypt(rs1.getString("accno"))%></td>

            <td><%=aes.decrypt(rs1.getString("amount"))%></td>
            <td class="font-weight-medium"><div class="badge
badge-success">Credit</div></td>
            <td><%=aes.decrypt(rs1.getString("time"))%></td>
          <%
            }
            rs1.close();
            con1.close();
          } catch (Exception ex) {
            ex.printStackTrace();
          }

        <%>
      <%>
    <%>
  </tbody>
</table>

```

```

        </tr>
      </tbody>
    </table>
  </div>
</div>
</div>
</div>
</div>
</div>
</div>
</div>
</div>
<!-- content-wrapper ends -->
<!-- partial:partials/_footer.html -->
<footer class="footer">
  <div class="d-sm-flex justify-content-center justify-content-sm-between">
    <span class="text-muted text-center text-sm-left d-block d-sm-inline-block">Copyright © 2022 All rights reserved.</span>
  </div>
</footer>
<!-- partial -->
</div>
<!-- main-panel ends -->
</div>
<!-- page-body-wrapper ends -->
</div>
<!-- container-scroller -->

<!-- plugins:js -->
<script src="vendors/js/vendor.bundle.base.js"></script>
<!-- endinject -->
<!-- Plugin js for this page -->
<script src="vendors/chart.js/Chart.min.js"></script>
<script src="vendors/datatables.net/jquery.dataTables.js"></script>
<script src="vendors/datatables.net-bs4/dataTables.bootstrap4.js"></script>
<script src="js/dataTables.select.min.js"></script>

<!-- End plugin js for this page -->
<!-- inject:js -->
<script src="js/off-canvas.js"></script>

```

```

<script src="js/hoverable-collapse.js"></script>
<script src="js/template.js"></script>
<script src="js/settings.js"></script>
<script src="js/todolist.js"></script>
<!-- endinject -->
<!-- Custom js for this page-->
<script src="js/dashboard.js"></script>
<script src="js/Chart.roundedBarCharts.js"></script>
<!-- End custom js for this page-->
</body>
</html>

```

10- TRANSFER

```

<%@page import="java.sql.ResultSet"%>
<%@page import="java.sql.Statement"%>
<%@page import="Database.SQLconnection"%>
<%@page import="java.sql.Connection"%>
<%@page import="algorithm.AEScryptography"%>
<%@page import="java.util.Date"%>
<%@page contentType="text/html" pageEncoding="UTF-8"%>
<!DOCTYPE html>
<html lang="en">

<head>
<!-- Required meta tags -->
<meta charset="utf-8">
<meta name="viewport" content="width=device-width, initial-scale=1, shrink-to-
fit=no">
<title>Transfer</title>
<!-- plugins:css -->
<link rel="stylesheet" href="vendors/feather/feather.css">
<link rel="stylesheet" href="vendors/ti-icons/css/themify-icons.css">
<link rel="stylesheet" href="vendors/css/vendor.bundle.base.css">
<!-- endinject -->
<!-- Plugin css for this page -->
<link rel="stylesheet" href="vendors/datatables.net-bs4/dataTables.bootstrap4.css">
<link rel="stylesheet" href="vendors/ti-icons/css/themify-icons.css">
<link rel="stylesheet" type="text/css" href="js/select.dataTables.min.css">

```

```

<!-- End plugin css for this page -->
<!-- inject:css -->
<link rel="stylesheet" href="css/vertical-layout-light/style.css">
<!-- endinject -->
<link rel="shortcut icon" href="images/favicon.png" />
</head>
<%
    if (request.getParameter("success") != null) {%>
<script>alert('Amount Transfer Success');</script>
<%}
%>

<%
    if (request.getParameter("Failed") != null) {%>
<script>alert('Amount Transfer Failed');</script>
<%}
%>

<%
    if (request.getParameter("insufficient") != null) {%>
<script>alert('Balance Insufficient');</script>
<%}
%>

<%
    if (request.getParameter("Pinfailed") != null) {%>
<script>alert('Incorrect Pin Number');</script>
<%}
%>

<%
    if (request.getParameter("Acnoinvalid") != null) {%>
<script>alert('Account number Invalid');</script>
<%}
%>

<%
    if (request.getParameter("AccSame") != null) {%>
<script>alert('Its your Account Number');</script>
<%}
%>
<body>
<div class="container-scroller">

```

```

<!-- partial:partials/_navbar.html -->
<nav class="navbar col-lg-12 col-12 p-0 fixed-top d-flex flex-row" >
  <div class="text-center navbar-brand-wrapper d-flex align-items-center justify-content-center">
    <a class="navbar-brand brand-logo mr-5" href="#"></a>
    <a class="navbar-brand brand-logo-mini" href="#"></a>
  </div>
  <div class="navbar-menu-wrapper d-flex align-items-center justify-content-end">
    <button class="navbar-toggler navbar-toggler align-self-center" type="button"
data-toggle="minimize">
      <span class="icon-menu"></span>
    </button>
    <ul class="navbar-nav mr-lg-2">
      <li class="nav-item nav-search d-none d-lg-block">
        <div class="input-group">
          <div class="input-group-prepend hover-cursor" id="navbar-search-icon">
            </div>
          <center> <h3></h3></center>
        </div>
      </li>
    </ul>
    <ul class="navbar-nav navbar-nav-right">
      <li class="nav-item nav-profile dropdown">
        <a class="nav-link dropdown-toggle" href="#" data-toggle="dropdown"
id="profileDropdown">
          <i class="icon-lock"></i>
        </a>
        <div class="dropdown-menu dropdown-menu-right navbar-dropdown" aria-
labelledby="profileDropdown">
          <a class="dropdown-item" href="logout.jsp">
            <i class="ti-power-off text-primary"></i>
            Logout
          </a>
        </div>
      </li>
    </ul>
  </div>
</nav>

```

```

<!-- partial -->
<div class="container-fluid page-body-wrapper">
  <!-- partial -->
  <!-- partial:partials/_sidebar.html -->
  <nav class="sidebar sidebar-offcanvas" id="sidebar">
    <ul class="nav">
      <li class="nav-item">
        <a class="nav-link active" href="UserHome.jsp" >
          <i class="icon-grid menu-icon"></i>
          <span class="menu-title">Dashboard</span>
        </a>
      </li>
      <li class="nav-item">
        <a class="nav-link" href="Profile.jsp">
          <i class="ti-user menu-icon"></i>
          <span class="menu-title">Profile</span>
        </a>
      </li>
      <li class="nav-item">
        <a class="nav-link" href="Deposits.jsp">
          <i class="ti-user menu-icon"></i>
          <span class="menu-title">Deposits</span>
        </a>
      </li>
      <li class="nav-item">
        <a class="nav-link" href="Withdraw.jsp">
          <i class="ti-money menu-icon"></i>
          <span class="menu-title">Withdraw</span>
        </a>
      </li>
      <li class="nav-item">
        <a class="nav-link" href="Transfer.jsp">
          <i class="ti-money menu-icon"></i>
          <span class="menu-title">Transfer</span>
        </a>
      </li>
      <li class="nav-item">
        <a class="nav-link" href="Transactions.jsp">
          <i class="ti-calendar menu-icon"></i>

```

```

        <span class="menu-title">Transactions</span>
    </a>
</li>
<li class="nav-item">
    <a class="nav-link" href="Complaints.jsp">
        <i class="icon-mail menu-icon"></i>
        <span class="menu-title">Complaints</span>
    </a>
</li>
</ul>
</nav>
<%
    String uid = session.getAttribute("uid").toString();
    AEScryptography aes = new AEScryptography();
    Connection con = SQLconnection.getConnection();
    Statement st = con.createStatement();
    try {
        ResultSet rs = st.executeQuery("Select * from accdetails where uid='" + uid +
""");
        while (rs.next()) {

%>
<!-- partial -->
<div class="main-panel">
    <div class="content-wrapper">
        <div class="row">
            <div class="col-md-12 grid-margin">
                <div class="row">
                    <div class="col-12 col-xl-8 mb-4 mb-xl-0">
                        <h3 class="font-weight-bold">Welcome
<%=aes.decrypt(rs.getString("name"))%></h3>
                        <h6 class="font-weight-normal mb-0"></h6>
                    </div>
                    <div class="col-12 col-xl-4">
                        <div class="justify-content-end d-flex">
                            <div class="dropdown flex-md-grow-1 flex-xl-grow-0">
                                <button class="btn btn-sm btn-light bg-white" type="button"
aria-haspopup="true" aria-expanded="true">
                                    <i class="mdi mdi-calendar"></i> <%=Date date = new
Date();%> <%=date.toString()%>

```

```

        </button>
    </div>
</div>
</div>
</div>
</div>
</div>
<div class="row">
    <div class="col-md-10 stretch-card" style="padding-left: 200px">
        <div class="card">
            <div class="card-body">
                <form action="transfer" method="post">
                    <h4 class="card-title">Transfer Money</h4>
                    <p class="card-description">
                        Transfer Money from your account
                    </p>
                    <div class="form-group">
                        <div class="input-group">
                            <div class="input-group-prepend">
                                <span class="input-group-text">@</span>
                            </div>
                            <input type="hidden" class="form-control"
value="<%=aes.decrypt(rs.getString("accno"))%">" placeholder="Account Number"
name="accno" aria-label="Account Number" readonly="">
                                <input type="text" class="form-control" placeholder=" To
Account Number" name="toaccno" aria-label="Account Number" required="" id=""
onkeyup="check(this.value);"/>
                            </div>
                            <font color="red"><div id="mydiv"></div></font>
                        </div>
                    <div class="form-group">
                        <div class="input-group">
                            <div class="input-group-prepend">
                                <span class="input-group-text bg-primary text-
white">₹</span>
                            </div>
                            <input type="text" name="money" class="form-control" aria-
label="Amount (to the nearest Rupee)" required="" autocomplete="off">
                                <input type="hidden" class="form-control" name="type"
value="Tranfer" >

```

```

        <div class="input-group-append">
            <span class="input-group-text">.00</span>
        </div>
    </div>

</div>
<div class="form-group">
    <div class="input-group">
        <div class="input-group-prepend">
            <span class="input-group-text">#</span>
        </div>
        <input type="password" id="myInput" class="form-control"
placeholder="Pin Number" name="pin" aria-label="Pin Number" required=""
autocomplete="off">
    </div>

    <div class="form-check">
        <label class="form-check-label">
            <input class="checkbox" type="checkbox"
onclick="myFunction()">
                Show Pin Number
            </label>
        </div>
    </div>
    <div class="form-group" style="padding-left: 250px">
        <div class="input-group">
            <center><button type="submit" class="btn btn-primary mb-
2">Transfer</button></center>
        </div>
    </div>
</form>
</div>
</div>
</div>
</div>
<%
    }
    rs.close();
    con.close();
} catch (Exception ex) {
    ex.printStackTrace();
}

```

```

        }

        %>

    </div>
    <!-- content-wrapper ends -->
    <!-- partial:partials/_footer.html -->
    <footer class="footer">
        <div class="d-sm-flex justify-content-center justify-content-sm-between">
            <span class="text-muted text-center text-sm-left d-block d-sm-inline-
block">Copyright © 2022 All rights reserved.</span>
        </div>
    </footer>
    <!-- partial -->
</div>
<!-- main-panel ends -->
</div>
<!-- page-body-wrapper ends -->
</div>
<!-- container-scroller -->
<script>
    function myFunction() {
        var x = document.getElementById("myInput");
        if (x.type === "password") {
            x.type = "text";
        } else {
            x.type = "password";
        }
    }
</script>
<script type="text/javascript">
    function check(value) {
        xmlhttp = GetXmlHttpRequestObject()
        var url = "Accnumcheck.jsp";
        url = url + "?toaccno=" + value;
        xmlhttp.onreadystatechange = stateChanged
        xmlhttp.open("GET", url, true)
        xmlhttp.send(null)
    }

```

```

function stateChanged() {
    if (xmlHttp.readyState == 4 || xmlHttp.readyState == "complete") {
        var showdata = xmlHttp.responseText;
        document.getElementById("mydiv").innerHTML = showdata;
    }
}
function GetXmlHttpRequestObject() {
    var xmlHttp = null;
    try {
        xmlHttp = new XMLHttpRequest();
    } catch (e) {
        try {
            xmlHttp = new ActiveXObject("Msxml2.XMLHTTP");
        } catch (e) {
            xmlHttp = new ActiveXObject("Microsoft.XMLHTTP");
        }
    }
    return xmlHttp;
}
</script>

<!-- plugins:js -->
<script src="vendors/js/vendor.bundle.base.js"></script>
<!-- endinject -->
<!-- Plugin js for this page -->
<script src="vendors/chart.js/Chart.min.js"></script>
<script src="vendors/datatables.net/jquery.dataTables.js"></script>
<script src="vendors/datatables.net-bs4/dataTables.bootstrap4.js"></script>
<script src="js/dataTables.select.min.js"></script>

<!-- End plugin js for this page -->
<!-- inject:js -->
<script src="js/off-canvas.js"></script>
<script src="js/hoverable-collapse.js"></script>
<script src="js/template.js"></script>
<script src="js/settings.js"></script>
<script src="js/todolist.js"></script>
<!-- endinject -->
<!-- Custom js for this page-->

```

```

    <script src="js/dashboard.js"></script>
    <script src="js/Chart.roundedBarCharts.js"></script>
    <!-- End custom js for this page-->
</body>
</html>

```

11-USER ACTIVE

```

<%@page import="algorithm.AEScryptography"%>
<%@page import="java.sql.ResultSet"%>
<%@page import="java.sql.Statement"%>
<%@page import="Database.SQLconnection"%>
<%@page import="java.sql.Connection"%>
<%@page import="java.util.Date"%>
<%@page contentType="text/html" pageEncoding="UTF-8"%>
<!DOCTYPE html>
<html lang="en">

    <head>
        <!-- Required meta tags -->
        <meta charset="utf-8">
        <meta name="viewport" content="width=device-width, initial-scale=1, shrink-to-fit=no">
        <title>Administer</title>
        <!-- plugins:css -->
        <link rel="stylesheet" href="vendors/feather/feather.css">
        <link rel="stylesheet" href="vendors/ti-icons/css/themify-icons.css">
        <link rel="stylesheet" href="vendors/css/vendor.bundle.base.css">
        <!-- endinject -->
        <!-- Plugin css for this page -->
        <link rel="stylesheet" href="vendors/datatables.net-bs4/dataTables.bootstrap4.css">
        <link rel="stylesheet" href="vendors/ti-icons/css/themify-icons.css">
        <link rel="stylesheet" type="text/css" href="js/select.dataTables.min.css">
        <!-- End plugin css for this page -->
        <!-- inject:css -->
        <link rel="stylesheet" href="css/vertical-layout-light/style.css">
        <!-- endinject -->
        <link rel="shortcut icon" href="images/favicon.png" />
    </head>

```

```

<body>
  <div class="container-scroller">
    <!-- partial:partials/_navbar.html -->
    <nav class="navbar col-lg-12 col-12 p-0 fixed-top d-flex flex-row">
      <div class="text-center navbar-brand-wrapper d-flex align-items-center justify-content-center">
        <a class="navbar-brand brand-logo mr-5" href="#"></a>
        <a class="navbar-brand brand-logo-mini" href="#"></a>
      </div>
      <div class="navbar-menu-wrapper d-flex align-items-center justify-content-end">
        <button class="navbar-toggler navbar-toggler align-self-center" type="button"
data-toggle="minimize">
          <span class="icon-menu"></span>
        </button>
        <ul class="navbar-nav mr-lg-2">
          <li class="nav-item nav-search d-none d-lg-block">
            <div class="input-group">
              <div class="input-group-prepend hover-cursor" id="navbar-search-icon">
                </div>
              <center> <h3>ADMINISTRATOR</h3></center>
            </div>
          </li>
        </ul>
        <ul class="navbar-nav navbar-nav-right">
          <li class="nav-item nav-profile dropdown">
            <a class="nav-link dropdown-toggle" href="#" data-toggle="dropdown"
id="profileDropdown">
              <i class="icon-lock"></i>
            </a>
            <div class="dropdown-menu dropdown-menu-right navbar-dropdown" aria-
labelledby="profileDropdown">
              <a class="dropdown-item" href="logout.jsp">
                <i class="ti-power-off text-primary"></i>
                Logout
              </a>
            </div>
          </li>
        </ul>

```

```

    </div>
</nav>

<!-- partial -->
<div class="container-fluid page-body-wrapper">
    <!-- partial -->
    <!-- partial:partials/_sidebar.html -->
    <nav class="sidebar sidebar-offcanvas" id="sidebar">
        <ul class="nav">
            <li class="nav-item">
                <a class="nav-link" href="Admin_home.jsp">
                    <i class="icon-grid menu-icon"></i>
                    <span class="menu-title">Dashboard</span>
                </a>
            </li>
            <li class="nav-item">
                <a class="nav-link active" href="UserActive.jsp">
                    <i class="ti-user menu-icon"></i>
                    <span class="menu-title">Activations</span>
                </a>
            </li>
            <li class="nav-item">
                <a class="nav-link" href="Rejected.jsp">
                    <i class="ti-user menu-icon"></i>
                    <span class="menu-title">Rejected Account</span>
                </a>
            </li>
            <li class="nav-item">
                <a class="nav-link" href="ActiveUsers.jsp">
                    <i class="ti-user menu-icon"></i>
                    <span class="menu-title">Active Users</span>
                </a>
            </li>
            <li class="nav-item">
                <a class="nav-link" href="UserTransactions.jsp">
                    <i class="ti-money menu-icon"></i>
                    <span class="menu-title">Transactions</span>
                </a>
            </li>
        </ul>
    </nav>

```

```

<li class="nav-item">
  <a class="nav-link" href="UserComplaints.jsp">
    <i class="icon-mail menu-icon"></i>
    <span class="menu-title">Complaints</span>
  </a>
</li>
</ul>
</nav>
<!-- partial -->
<div class="main-panel">
  <div class="content-wrapper">
    <div class="row">
      <div class="col-md-12 grid-margin">
        <div class="row">
          <div class="col-md-12 grid-margin stretch-card">
            <div class="card">
              <div class="card-body">
                <p class="card-title mb-0">User Activations</p>
                <div class="table-responsive">
                  <table class="table table-striped table-borderless">
                    <thead>
                      <tr>
                        <th>Id</th>
                        <th>Name</th>
                        <th>Mail ID</th>
                        <th>Phone</th>
                        <th>Status</th>
                        <th>Action</th>
                      </tr>
                    </thead>
                    <tbody>
                      <%
                        AEScryptography aes = new AEScryptography();
                        Connection con = SQLconnection.getconnection();
                        Statement st = con.createStatement();
                        try {
                          ResultSet rs = st.executeQuery("Select * from
usercreate where status='Waiting'");
                          while (rs.next()) {

```

```

%>
<tr>
    <td><%=rs.getString("id")%></td>
    <td class="font-weight-
bold"><%=aes.decrypt(rs.getString("name"))%></td>
    <td><%=aes.decrypt(rs.getString("mailid"))%></td>
    <td><%=aes.decrypt(rs.getString("mobile"))%></td>
    <td class="font-weight-medium"><div class="badge
badge-danger"><%=rs.getString("status")%></div></td>
    <td><div class="badge badge-warning"><a
href="activate.jsp?id=<%=rs.getString("id")%>">View</a></div></td>

    <%                                }
        rs.close();
        con.close();
    } catch (Exception ex) {
        ex.printStackTrace();
    }

%>
</tr>
</tbody>
</table>
</div>
</div>
</div>
</div>
</div>
</div>
</div>
</div>
</div>
</div>
</div>
</div>
<!-- content-wrapper ends -->
<!-- partial:partials/_footer.html -->
<footer class="footer">
    <div class="d-sm-flex justify-content-center justify-content-sm-between">
        <span class="text-muted text-center text-sm-left d-block d-sm-inline-
block">Copyright © 2022 All rights reserved.</span>
    </div>
</footer>

```

```

        <!-- partial -->
    </div>
    <!-- main-panel ends -->
</div>
<!-- page-body-wrapper ends -->
</div>
<!-- container-scroller -->

<!-- plugins:js -->
<script src="vendors/js/vendor.bundle.base.js"></script>
<!-- endinject -->
<!-- Plugin js for this page -->
<script src="vendors/chart.js/Chart.min.js"></script>
<script src="vendors/datatables.net/jquery.dataTables.js"></script>
<script src="vendors/datatables.net-bs4/dataTables.bootstrap4.js"></script>
<script src="js/dataTables.select.min.js"></script>

<!-- End plugin js for this page -->
<!-- inject:js -->
<script src="js/off-canvas.js"></script>
<script src="js/hoverable-collapse.js"></script>
<script src="js/template.js"></script>
<script src="js/settings.js"></script>
<script src="js/todolist.js"></script>
<!-- endinject -->
<!-- Custom js for this page-->
<script src="js/dashboard.js"></script>
<script src="js/Chart.roundedBarCharts.js"></script>
<!-- End custom js for this page-->
</body>
</html>

```

12- USER COMPLAINTS

```

<%@page import="Database.SQLconnection"%>
<%@page import="java.sql.ResultSet"%>
<%@page import="java.sql.Connection"%>
<%@page import="java.sql.Statement"%>
<%@page import="algorithm.AEScryptography"%>

```

```

<%@page import="java.util.Date"%>
<%@page contentType="text/html" pageEncoding="UTF-8"%>
<!DOCTYPE html>
<html lang="en">
  <head>
    <!-- Required meta tags -->
    <meta charset="utf-8">
    <meta name="viewport" content="width=device-width, initial-scale=1, shrink-to-
fit=no">
    <title>Administer</title>
    <!-- plugins:css -->
    <link rel="stylesheet" href="vendors/feather/feather.css">
    <link rel="stylesheet" href="vendors/ti-icons/css/themify-icons.css">
    <link rel="stylesheet" href="vendors/css/vendor.bundle.base.css">
    <!-- endinject -->
    <!-- Plugin css for this page -->
    <link rel="stylesheet" href="vendors/datatables.net-bs4/dataTables.bootstrap4.css">
    <link rel="stylesheet" href="vendors/ti-icons/css/themify-icons.css">
    <link rel="stylesheet" type="text/css" href="js/select.dataTables.min.css">
    <!-- End plugin css for this page -->
    <!-- inject:css -->
    <link rel="stylesheet" href="css/vertical-layout-light/style.css">
    <!-- endinject -->
    <link rel="shortcut icon" href="images/favicon.png" />
  </head>
  <body>
    <div class="container-scroller">
      <!-- partial:partials/_navbar.html -->
      <nav class="navbar col-lg-12 col-12 p-0 fixed-top d-flex flex-row">
        <div class="text-center navbar-brand-wrapper d-flex align-items-center justify-
content-center">
          <a class="navbar-brand brand-logo mr-5" href="#"></a>
          <a class="navbar-brand brand-logo-mini" href="#"></a>
        </div>
        <div class="navbar-menu-wrapper d-flex align-items-center justify-content-end">
          <button class="navbar-toggler navbar-toggler align-self-center" type="button"
data-toggle="minimize">
            <span class="icon-menu"></span>

```

```

</button>
<ul class="navbar-nav mr-lg-2">
  <li class="nav-item nav-search d-none d-lg-block">
    <div class="input-group">
      <div class="input-group-prepend hover-cursor" id="navbar-search-icon">
        </div>
      <center><h3>ADMINISTRATOR</h3></center>
    </div>
  </li>
</ul>
<ul class="navbar-nav navbar-nav-right">
  <li class="nav-item nav-profile dropdown">
    <a class="nav-link dropdown-toggle" href="#" data-toggle="dropdown"
id="profileDropdown">
      <i class="icon-lock"></i>
    </a>
    <div class="dropdown-menu dropdown-menu-right navbar-dropdown" aria-
labelledby="profileDropdown">
      <a class="dropdown-item" href="logout.jsp">
        <i class="ti-power-off text-primary"></i>
        Logout
      </a>
    </div>
  </li>
</ul>
</div>
</nav>
<!-- partial -->
<div class="container-fluid page-body-wrapper">
  <!-- partial -->
  <!-- partial:partials/_sidebar.html -->
  <nav class="sidebar sidebar-offcanvas" id="sidebar">
    <ul class="nav">
      <li class="nav-item">
        <a class="nav-link" href="Admin_home.jsp">
          <i class="icon-grid menu-icon"></i>
          <span class="menu-title">Dashboard</span>
        </a>
      </li>
      <li class="nav-item">

```

```

        <a class="nav-link " href="UserActive.jsp">
            <i class="ti-user menu-icon"></i>
            <span class="menu-title">Activations</span>
        </a>
    </li>
    <li class="nav-item">
        <a class="nav-link" href="Rejected.jsp">
            <i class="ti-user menu-icon"></i>
            <span class="menu-title">Rejected Account</span>
        </a>
    </li>
    <li class="nav-item">
        <a class="nav-link " href="ActiveUsers.jsp">
            <i class="ti-user menu-icon"></i>
            <span class="menu-title">Active Users</span>
        </a>
    </li>
    <li class="nav-item">
        <a class="nav-link " href="UserTransactions.jsp">
            <i class="ti-money menu-icon"></i>
            <span class="menu-title">Transactions</span>
        </a>
    </li>
    <li class="nav-item">
        <a class="nav-link active" href="UserComplaints.jsp">
            <i class="icon-mail menu-icon"></i>
            <span class="menu-title">Complaints</span>
        </a>
    </li>
</ul>
</nav>
<!-- partial -->
<div class="main-panel">
    <div class="content-wrapper">
        <div class="row">
            <div class="col-md-12 grid-margin">
                <div class="row">
                    <div class="col-md-12 grid-margin stretch-card">
                        <div class="card">

```

```

<div class="card-body">
  <p class="card-title mb-0">User Activations</p>
  <div class="table-responsive">
    <table class="table table-striped table-borderless">
      <thead>
        <tr>
          <th>Id</th>
          <th>Name</th>
          <th>Mail ID</th>
          <th>Complaints</th>
          <th>Time</th>
        </tr>
      </thead>
      <tbody>
        <%
          AEsryptography aes = new AEsryptography();
          Connection con = SQLconnection.getconnection();
          Statement st = con.createStatement();
          try {
            ResultSet rs = st.executeQuery("Select * from
complaints");

            while (rs.next()) {

              %>
              <tr>
                <td><%=rs.getString("id")%></td>
                <td class="font-weight-
bold"><%=aes.decrypt(rs.getString("name"))%></td>
                <td><%=aes.decrypt(rs.getString("mailid"))%></td>
                <td>
                  <div class="form-group">
                    <textarea class="form-control"
id="exampleTextarea1" name="com" required="" disabled="" maxlength="250"
rows="4"><%=aes.decrypt(rs.getString("comp"))%></textarea>
                  </div></td>
                <td class="font-weight-
medium"><%=aes.decrypt(rs.getString("time"))%></td>

                <%
              }
            rs.close();

```

```

        con.close();
    } catch (Exception ex) {
        ex.printStackTrace();
    }

    %>
</tr>
</tbody>
</table>
</div>
</div>
</div>
</div>
</div>
</div>
</div>
</div>
</div>
</div>
<!-- content-wrapper ends -->
<!-- partial:partials/_footer.html -->
<footer class="footer">
    <div class="d-sm-flex justify-content-center justify-content-sm-between">
        <span class="text-muted text-center text-sm-left d-block d-sm-inline-
block">Copyright © 2022 All rights reserved.</span>
    </div>
</footer>
<!-- partial -->
</div>
<!-- main-panel ends -->
</div>
<!-- page-body-wrapper ends -->
</div>
<!-- container-scroller -->

<!-- plugins:js -->
<script src="vendors/js/vendor.bundle.base.js"></script>
<!-- endinject -->
<!-- Plugin js for this page -->
<script src="vendors/chart.js/Chart.min.js"></script>
<script src="vendors/datatables.net/jquery.dataTables.js"></script>

```

```

<script src="vendors/datatables.net-bs4/dataTables.bootstrap4.js"></script>
<script src="js/dataTables.select.min.js"></script>

<!-- End plugin js for this page -->
<!-- inject:js -->
<script src="js/off-canvas.js"></script>
<script src="js/hoverable-collapse.js"></script>
<script src="js/template.js"></script>
<script src="js/settings.js"></script>
<script src="js/todolist.js"></script>
<!-- endinject -->
<!-- Custom js for this page-->
<script src="js/dashboard.js"></script>
<script src="js/Chart.roundedBarCharts.js"></script>
<!-- End custom js for this page-->
</body>
</html>

```

13- USER HOME

```

<%@page import="java.sql.ResultSet"%>
<%@page import="java.sql.Statement"%>
<%@page import="Database.SQLconnection"%>
<%@page import="java.sql.Connection"%>
<%@page import="algorithm.AEScryptography"%>
<%@page import="java.util.Date"%>
<%@page contentType="text/html" pageEncoding="UTF-8"%>
<!DOCTYPE html>
<html lang="en">

<head>
<!-- Required meta tags -->
<meta charset="utf-8">
<meta name="viewport" content="width=device-width, initial-scale=1, shrink-to-fit=no">
<title>User</title>
<!-- plugins:css -->
<link rel="stylesheet" href="vendors/feather/feather.css">
<link rel="stylesheet" href="vendors/ti-icons/css/themify-icons.css">

```

```

<link rel="stylesheet" href="vendors/css/vendor.bundle.base.css">
<!-- endinject -->
<!-- Plugin css for this page -->
<link rel="stylesheet" href="vendors/datatables.net-bs4/dataTables.bootstrap4.css">
<link rel="stylesheet" href="vendors/ti-icons/css/themify-icons.css">
<link rel="stylesheet" type="text/css" href="js/select.dataTables.min.css">
<!-- End plugin css for this page -->
<!-- inject:css -->
<link rel="stylesheet" href="css/vertical-layout-light/style.css">
<!-- endinject -->
<link rel="shortcut icon" href="images/favicon.png" />
</head>
<style>

```

```

.Wrap {
  display: flex;
  justify-content: center;
  align-items: center;
}

```

```

.Base {
  background: #ccc;
  height: 378px;
  width: 595px;
  border-radius: 15px;
}

```

```

.Inner-wrap {
  background-color: #0c0014;
  background-image: url("data:image/svg+xml,%3Csvg
xmlns='http://www.w3.org/2000/svg' width='100%25' height='100%25' viewBox='0 0 1600
800'%3E%3Cg %3E%3Cpolygon fill='%230d1838' points='1600%2C160 0%2C460
0%2C350 1600%2C50'%3E%3Cpolygon fill='%230e315d' points='1600%2C260 0%2C560
0%2C450 1600%2C150'%3E%3Cpolygon fill='%230f4981' points='1600%2C360 0%2C660
0%2C550 1600%2C250'%3E%3Cpolygon fill='%231062a6' points='1600%2C460 0%2C760
0%2C650 1600%2C350'%3E%3Cpolygon fill='%23117aca' points='1600%2C800 0%2C800
0%2C750 1600%2C450'%3E%3C/g%3E%3C/svg%3E");
  background-size: auto 147%;
  background-position: center;

```

```

    position: relative;
    height: 100%;
    width: 100%;
    border-radius: 13px;
    padding: 20px 40px;
    box-sizing: border-box;
    color: #fff;
}

/* Controls top right logo */

.Logo {
    position: absolute;
    height: 80px;
    width: 80px;
    right: 0;
    top: 0;
    padding: inherit;
    fill: #117aca;
}

/* Controls chip icon */

.Chip {
    height: 80px;
    margin: 40px 0 25px 0;
}

.gold path{
    fill: url(#gold-gradient);
}

svg {
    display: block;
}

/* Controls name size */

.Logo-name {

```

```

        transform: scale(.5);
        margin-left: -75px;
    }

    .Card-number p {
        text-align: center;
    }

    .Card-number {
        margin-top: -25px;
        display: flex;
        justify-content: center;
        color: rgba(255, 255, 255, 0.9);
    }

    ul1 {
        padding: 0;
    }

    ul1 li1 {
        list-style: none;
        float: left;
        margin: 0px 10px;
        font-size: 2.2em;
    }

    #first-li {
        margin-left: 0;
    }

    #last-li {
        margin-right: 0;
    }

    .Expire {
        font-size: .75em;
        text-align: center;
    }

```

```

.Expire h4 {
  font-weight: 400;
  color: #aaa;
  margin: 0;
  /* word-spacing: 9999999px; */
  text-transform: uppercase;
}

.Expire p {
  font-size: 1.55em;
  color: rgba(255, 255, 255, 0.9);
}

.Name h3 {
  position: absolute;
  bottom: 0;
  left: 18%;
  text-transform: uppercase;
  font-weight: 400;
  font-size: 1.35em;
  color: rgba(255, 255, 255, 0.85);
}

.Visa {
  width: 115px;
  position: absolute;
  bottom: -145px;
  right: 0;
  padding: inherit;
}
</style>
<body>
  <div class="container-scroller">
    <!-- partial:partials/_navbar.html -->
    <nav class="navbar col-lg-12 col-12 p-0 fixed-top d-flex flex-row" >
      <div class="text-center navbar-brand-wrapper d-flex align-items-center justify-
content-center">
        <a class="navbar-brand brand-logo mr-5" href="#"></a>
        <a class="navbar-brand brand-logo-mini" href="#"></a>
</div>
<div class="navbar-menu-wrapper d-flex align-items-center justify-content-end">
  <button class="navbar-toggler navbar-toggler align-self-center" type="button"
data-toggle="minimize">
    <span class="icon-menu"></span>
  </button>
  <ul class="navbar-nav mr-lg-2">
    <li class="nav-item nav-search d-none d-lg-block">
      <div class="input-group">
        <div class="input-group-prepend hover-cursor" id="navbar-search-icon">
          </div>
        <center> <h3></h3></center>
      </div>
    </li>
  </ul>
  <ul class="navbar-nav navbar-nav-right">
    <li class="nav-item nav-profile dropdown">
      <a class="nav-link dropdown-toggle" href="#" data-toggle="dropdown"
id="profileDropdown">
        <i class="icon-lock"></i>
      </a>
      <div class="dropdown-menu dropdown-menu-right navbar-dropdown" aria-
labelledby="profileDropdown">
        <a class="dropdown-item" href="logout.jsp">
          <i class="ti-power-off text-primary"></i>
          Logout
        </a>
      </div>
    </li>
  </ul>
</div>
</nav>
<!-- partial -->
<div class="container-fluid page-body-wrapper">
  <!-- partial -->
  <!-- partial:partials/_sidebar.html -->
  <nav class="sidebar sidebar-offcanvas" id="sidebar">
    <ul class="nav">
      <li class="nav-item">

```

```

        <a class="nav-link active" href="UserHome.jsp" >
            <i class="icon-grid menu-icon"></i>
            <span class="menu-title">Dashboard</span>
        </a>
    </li>
    <li class="nav-item">
        <a class="nav-link" href="Profile.jsp">
            <i class="ti-user menu-icon"></i>
            <span class="menu-title">Profile</span>
        </a>
    </li>
    <li class="nav-item">
        <a class="nav-link" href="Deposits.jsp">
            <i class="ti-user menu-icon"></i>
            <span class="menu-title">Deposits</span>
        </a>
    </li>
    <li class="nav-item">
        <a class="nav-link" href="Withdraw.jsp">
            <i class="ti-money menu-icon"></i>
            <span class="menu-title">Withdraw</span>
        </a>
    </li>
    <li class="nav-item">
        <a class="nav-link" href="Transfer.jsp">
            <i class="ti-money menu-icon"></i>
            <span class="menu-title">Transfer</span>
        </a>
    </li>
    <li class="nav-item">
        <a class="nav-link" href="Transactions.jsp">
            <i class="ti-calendar menu-icon"></i>
            <span class="menu-title">Transactions</span>
        </a>
    </li>
    <li class="nav-item">
        <a class="nav-link" href="Complaints.jsp">
            <i class="icon-mail menu-icon"></i>
            <span class="menu-title">Complaints</span>

```

```

        </a>
    </li>
</ul>
</nav>
<%
    String uid = session.getAttribute("uid").toString();
    AEScryptography aes = new AEScryptography();
    Connection con = SQLconnection.getconnection();
    Statement st = con.createStatement();
    try {
        ResultSet rs = st.executeQuery("Select * from accdetails where uid='" + uid +
""");
        while (rs.next()) {

%>
<%
        if (request.getParameter("Success") != null) {%>
<script>alert("Welcome <%=aes.decrypt(rs.getString("name"))%>");</script>
<%}
%>
<!-- partial -->
<div class="main-panel">
    <div class="content-wrapper">
        <div class="row">
            <div class="col-md-12 grid-margin">
                <div class="row">
                    <div class="col-12 col-xl-8 mb-4 mb-xl-0">
                        <h3 class="font-weight-bold">Welcome
<%=aes.decrypt(rs.getString("name"))%></h3>
                        <h6 class="font-weight-normal mb-0"></h6>
                    </div>
                    <div class="col-12 col-xl-4">
                        <div class="justify-content-end d-flex">
                            <div class="dropdown flex-md-grow-1 flex-xl-grow-0">
                                <button class="btn btn-sm btn-light bg-white" type="button"
aria-haspopup="true" aria-expanded="true">
                                    <i class="mdi mdi-calendar"></i> <%=Date date = new
Date();%> <%=date.toString()%>
                                </button>
                            </div>
                        </div>
                    </div>
                </div>
            </div>
        </div>
    </div>
</div>

```

```

        </div>
    </div>
</div>
</div>
</div>
<div class="row">
    <div class="col-md-6 grid-margin stretch-card">
        <div class="Wrap">
            <div class="Base">
                <div class="Inner-wrap">

                    <!--    Header SVG -->

                    <svg class="Logo-name"
                        xmlns:svg="http://www.w3.org/2000/svg"
                        xmlns="http://www.w3.org/2000/svg"
                        version="1.0"
                        width="298.72266"
                        height="55.51717">
                        <defs
                            id="defs17040" />
                        <g
                            transform="translate(620.34041,-56.426733)"
                            id="layer1">
                            <g
                                transform="translate(0.4494891,0.3945659)"
                                id="logotype">
                                <g
                                    id="g17202">
                                    <g
                                        id="logo">
                                        <path
                                            d="M -358.86107,56.307005 C -359.93357,56.307005 -
360.80231,57.175763 -360.80231,58.247007 L -360.80231,71.85327 L -324.86107,71.85327
L -341.22857,56.308263 L -358.86107,56.307005"
                                            style="fill:#fff;fill-rule:nonzero;stroke:none"
                                            id="logo-ne" />
                                        <path

```

```

d="M -323.54607,75.969518 C -323.54607,74.895757 -
324.40857,74.030756 -325.48731,74.030756 L -339.08982,74.030756 L -
339.08982,109.97325 L -323.55233,93.598265 L -323.54607,75.969518"
style="fill:#fff;fill-rule:nonzero;stroke:none"
id="logo-se" />
<path
d="M -343.21106,111.2745 C -342.14106,111.2745 -
341.27232,110.4045 -341.27232,109.33076 L -341.27232,95.729517 L -377.21482,95.729517
L -360.84483,111.272 L -343.21106,111.2745"
style="fill:#fff;fill-rule:nonzero;stroke:none"
id="logo-sw" />
<path
d="M -378.52856,91.614507 C -378.52856,92.68701 -
377.65982,93.560766 -376.58482,93.560766 L -362.98482,93.560766 L -362.98482,57.61577
L -378.52606,73.985761 L -378.52856,91.614507"
style="fill:#fff;fill-rule:nonzero;stroke:none"
id="logo-nw" />
</g>
<g
id="type">
<path
d="M -543.26981,62.868265 L -543.26981,79.467005 L -
566.39481,79.467005 L -566.39481,62.868265 L -574.81732,62.86077 L -
574.81732,104.71326 L -566.39481,104.71326 L -566.39481,86.73326 L -
543.26981,86.73326 L -543.26981,104.71326 L -534.83357,104.71326 L -
534.83357,62.868265 L -543.26981,62.868265"
style="opacity:1;fill:#fff;fill-stroke:none"
id="H" />
<path
d="M -431.22357,62.868265 L -431.22357,104.70327 L -
394.27231,104.70327 L -398.95232,97.33827 L -422.77731,97.33827 L -422.77731,86.73326
L -399.70732,86.73326 L -399.70732,79.639505 L -422.77731,79.639505 L -
422.77731,70.060762 L -398.99231,70.060762 L -394.40732,62.868265 L -
431.22357,62.868265"
style="opacity:1;fill:#fff;fill-rule:nonzero;stroke:none"
id="E" />
<path
d="M -606.12483,62.858251 C -614.88606,62.858251 -
619.31107,68.184503 -619.31107,75.934518 L -619.31107,91.55702 C -619.31107,100.52575
-613.60858,104.71326 -606.16856,104.71326 L -579.74356,104.71076 L -
584.64232,97.06077 L -604.53606,97.06077 C -608.76233,97.06077 -610.60357,95.53327 -
610.60357,90.803255 L -610.60357,76.629518 C -610.60357,72.057012 -609.05356,70.27326
-604.42357,70.27326 L -584.43482,70.27326 L -579.73107,62.858251 L -

```

606.12483,62.858251"

style="opacity:1;fill:#fff;fill-rule:nonzero;stroke:none"

id="C" />

<path

d="M -468.18356,62.848257 C -473.24357,62.848257 -
478.42982,65.889505 -478.42982,73.712018 L -478.42982,75.722002 C -
478.42982,83.877005 -473.43981,86.988252 -468.44731,87.00952 L -450.92356,87.00952 C
-449.10357,87.00952 -447.62482,87.312006 -447.62482,90.388255 L -447.62732,93.942007
C -447.67357,96.705755 -449.05232,97.33827 -450.98607,97.33827 L -474.03983,97.33827
L -478.76233,104.70327 L -450.44356,104.70327 C -443.61481,104.70327 -
438.97856,101.30576 -438.97856,93.458265 L -438.97856,90.574507 C -
438.97856,82.987017 -443.28606,79.402002 -449.96481,79.402002 L -466.69732,79.402002
C -468.55233,79.402002 -469.84482,78.895753 -469.84482,76.148256 L -
469.84482,73.254503 C -469.84482,70.914511 -468.95857,70.060762 -466.79732,70.060762
L -444.84232,70.052007 L -440.25357,62.838262 L -468.18356,62.848257"

style="opacity:1;fill:#fff;fill-rule:nonzero;stroke:none"

id="S" />

<path

d="M -510.36356,62.868265 L -530.20731,104.71076 L -
520.82858,104.71076 L -516.96356,96.069502 L -495.39982,96.069502 L -
491.54732,104.71076 L -482.12731,104.71076 L -502.01731,62.868265 L -
510.36356,62.868265 z M -506.20232,71.555761 L -498.57731,88.947005 L -
513.77858,88.947005 L -506.20232,71.555761"

style="opacity:1;fill:#fff;fill-rule:nonzero;stroke:none"

id="A" />

</g>

</g>

</g>

</g>

</svg>

<!-- Logo SVG -->

<svg class="Logo" version="1.1"

xmlns="http://www.w3.org/2000/svg" xmlns:xlink="http://www.w3.org/1999/xlink" x="0px"
y="0px"

viewBox="0 0 97.814 97.063" style="enable-background:new 0
0 97.814 97.063;" xml:space="preserve">

<g id="The_x5F_Chase_x5F_Manhattan_x5F_Bank">

```

        <path class="Logo" style="fill-rule:evenodd;clip-rule:evenodd;"
d="M31.534,0.148c11.888,0.129,20.426,0,32.226,0c1.625,0,3.551-0.332,4.912,0
c1.078,0.264,2.74,2.468,3.714,3.475C80.6,12.116,89.026,20.218,97.064,28.66c-21.246-0.112-
47.055,0.218-65.77-0.12
        c-0.103-8.506-0.225-18.47,0-
28.033C31.289,0.302,31.384,0.196,31.534,0.148z"/>
        <path class="Logo" style="fill-rule:evenodd;clip-rule:evenodd;"
d="M28.778,66.037c-8.482-0.125-19.476,0.192-28.392-0.119
        c-0.203-8.306-0.12-18.252-0.12-27.674c0-2.727-0.6-6.873,0-
9.345c0.19-0.783,2.35-2.674,3.355-3.714
        c8.015-8.298,17.314-16.974,25.038-24.798c0.102-
0.023,0.112,0.046,0.119,0.119C28.671,24.725,29.012,43.838,28.778,66.037z"/>
        <path class="Logo" style="fill-rule:evenodd;clip-rule:evenodd;"
d="M69.39,30.937c9.529,0.098,18.895-0.152,28.033,0.119
        c0.106,9.001,0.204,17.434,0.12,27.314c-
0.022,2.579,0.62,6.92,0,9.584c-0.274,1.178-2.454,2.654-3.475,3.714
        c-8.182,8.494-16.734,16.807-24.918,24.679c-0.192-18.602-
0.095-42.894-0.12-65.051C69.098,31.123,69.218,31.003,69.39,30.937z"/>
        <path class="Logo" style="fill-rule:evenodd;clip-rule:evenodd;"
d="M66.515,68.193c0.309,9.83,0.309,19.073,0,28.513
        c-10.081,0.189-19.016-0.092-28.272,0.12c-2.423,0.055-
6.684,0.57-9.105-0.12c-0.847-0.241-2.667-2.308-3.713-3.354
        c-8.051-8.05-16.983-16.943-24.56-24.679c-0.079-0.081-0.112-
0.206-0.119-0.359c0.097-0.023,0.119-0.12,0.239-0.12
        C23.242,68.233,44.12,68.237,66.515,68.193z"/>
    </g>
    <g>
    </g>
</svg>

```

<!-- Card Chip SVG -->

```

    <svg class="Chip" version="1.1" id="Layer_1"
xmlns="http://www.w3.org/2000/svg" xmlns:xlink="http://www.w3.org/1999/xlink" x="0px"
y="0px"
        viewBox="0 0 387.8 380.3" style="enable-background:new 0 0
387.8 380.3;" xml:space="preserve">
        <style type="text/css">

```

```

        .st0{fill:url(#gold-gradient);stroke:#000000;stroke-
width:10;stroke-miterlimit:10;}
    </style>
    <defs>
        <linearGradient id="gold-gradient" x1="0%" y1="0%" x2="100%"
y2="0%">
            <stop offset="0%" stop-color="#c79750"></stop>
            <stop offset="20%" stop-color="#e6b964"></stop>
            <stop offset="50%" stop-color=" #f8e889"></stop>
            <stop offset="80%" stop-color=" #deb15f"></stop>
            <stop offset="100%" stop-color=" #dfb461"></stop>
        </linearGradient>
    </defs>
    <g id="XMLID_4_">
        <path id="XMLID_1_" class="st0"
d="M308.8,375.3H79.1C38.2,375.3,5,342.1,5,301.2V79.1C5,38.2,38.2,5,79.1,5h229.7
c40.9,0,74.1,33.2,74.1,74.1v222.2C382.8,342.1,349.7,375.3,308.8,375.3z"/>
        <line id="XMLID_2_" class="st0" x1="109.9" y1="5.1"
x2="109.9" y2="375.1"/>
        <line id="XMLID_3_" class="st0" x1="4.9" y1="95.1"
x2="109.9" y2="95.1"/>
        <line id="XMLID_7_" class="st0" x1="4.9" y1="185.1"
x2="109.9" y2="185.1"/>
        <line id="XMLID_8_" class="st0" x1="1.9" y1="275.1"
x2="106.9" y2="275.1"/>
        <line id="XMLID_9_" class="st0" x1="276.9" y1="275.1"
x2="381.9" y2="275.1"/>
        <line id="XMLID_10_" class="st0" x1="274.9" y1="185.1"
x2="379.9" y2="185.1"/>
        <line id="XMLID_11_" class="st0" x1="277.9" y1="95.1"
x2="382.9" y2="95.1"/>
    <g id="XMLID_6_">
        <g id="XMLID_14_">
            <g id="XMLID_32_">
                <path id="XMLID_33_" d="M277.4,90.1h-1c-2.5,0-4.5,2-
4.5,4.5v272c0,2.5,2,4.5,4.5,4.5h1c2.5,0,4.5-2,4.5-4.5v-272
C281.9,92.1,279.9,90.1,277.4,90.1z"/>
            </g>
        </g>
    </g>

```

```

        </g>
    </svg>
    <div class="Card-number">

<li1><h3><%=aes.decrypt(rs.getString("accno"))%></h3></li1>
    </div>

    <div class='Expire'>
        <h4>Expiry</h4>
        <p>02/23</p>
    </div>

    <div class='Name'>
        <h3><%=aes.decrypt(rs.getString("name"))%></h3>
    </div>

    <!--    Visa Logo SVG -->

    <svg
        xmlns:dc="http://purl.org/dc/elements/1.1/"
        xmlns:cc="http://creativecommons.org/ns#"
        xmlns:rdf="http://www.w3.org/1999/02/22-rdf-syntax-ns#"
        xmlns:svg="http://www.w3.org/2000/svg"
        xmlns="http://www.w3.org/2000/svg"
        xmlns:sodipodi="http://sodipodi.sourceforge.net/DTD/sodipodi-
0.dtd"

    xmlns:inkscape="http://www.inkscape.org/namespaces/inkscape"
        version="1.1"
        id="Layer_1"
        x="0px"
        y="0px"
        class="Visa"
        width="1000.046"
        height="323.65302"
        viewBox="0 0 1000.046 323.653"
        enable-background="new 0 0 258.381 161.154"
        xml:space="preserve"
        inkscape:version="0.91 r13725"
        sodipodi:docname="Visa_2006.svg"><metadata

```

```

id="metadata23"><rdf:RDF><cc:Work
rdf:about=""><dc:format>image/svg+xml</dc:format><dc:type
rdf:resource="http://purl.org/dc/dcmitype/StillImage"
/><dc:title></dc:title></cc:Work></rdf:RDF></metadata><defs
id="defs21">

</defs><sodipodi:namedview
pagecolor="#ffffff"
bordercolor="#666666"
borderopacity="1"
objecttolerance="10"
gridtolerance="10"
guidetolerance="10"
inkscape:pageopacity="0"
inkscape:pageshadow="2"
inkscape:window-width="1366"
inkscape:window-height="705"
id="namedview19"
showgrid="false"
inkscape:zoom="0.35355339"
inkscape:cx="34.690897"
inkscape:cy="131.15483"
inkscape:window-x="-8"
inkscape:window-y="-8"
inkscape:window-maximized="1"
inkscape:current-layer="Layer_1" />
<g
id="g4158"
transform="matrix(4.4299631,0,0,4.4299631,-81.165783,-
105.04783)"><polygon
points="116.145,95.719 97.858,95.719 109.296,24.995
127.582,24.995 "
id="polygon9"
style="fill:#f2f2f2" /><path
d="m 182.437,26.724 c -3.607,-1.431 -9.328,-3.011 -16.402,-
3.011 -18.059,0 -30.776,9.63 -30.854,23.398 -0.15,10.158 9.105,15.8 16.027,19.187
7.075,3.461 9.48,5.72 9.48,8.805 -0.072,4.738 -5.717,6.922 -10.982,6.922 -7.301,0 -11.213,-
1.126 -17.158,-3.762 l -2.408,-1.13 -2.559,15.876 c 4.289,1.954 12.191,3.688 20.395,3.764
19.188,0 31.68,-9.481 31.828,-24.153 0.073,-8.051 -4.814,-14.22 -15.35,-19.261 -6.396,-3.236
-10.313,-5.418 -10.313,-8.729 0.075,-3.01 3.313,-6.093 10.533,-6.093 5.945,-0.151

```

```

10.313,1.278 13.622,2.708 l 1.654,0.751 2.487,-15.272 0,0 z"
    id="path11"
    inkscape:connector-curvature="0"
    style="fill:#fff" /><path
    d="m 206.742,70.664 c 1.506,-4.063 7.301,-19.788 7.301,-
19.788 -0.076,0.151 1.503,-4.138 2.406,-6.771 l 1.278,6.094 c 0,0 3.463,16.929 4.215,20.465 -
2.858,0 -11.588,0 -15.2,0 l 0,0 z m 22.573,-45.669 -14.145,0 c -4.362,0 -7.676,1.278 -
9.558,5.868 l -27.163,64.855 19.188,0 c 0,0 3.159,-8.729 3.838,-10.609 2.105,0 20.771,0
23.479,0 0.525,2.483 2.182,10.609 2.182,10.609 l 16.932,0 -14.753,-70.723 0,0 z"
    id="path13"
    inkscape:connector-curvature="0"
    style="fill:#fff" /><path
    d="M 82.584,24.995 64.675,73.222 62.718,63.441 C
59.407,52.155 49.023,39.893 37.435,33.796 l 16.404,61.848 19.338,0 28.744,-70.649 -
19.337,0 0,0 z"
    id="path15"
    inkscape:connector-curvature="0"
    style="fill:#fff" /><path
    d="m 48.045,24.995 -29.422,0 -0.301,1.429 c 22.951,5.869
38.151,20.016 44.396,37.02 L 56.322,30.94 c -1.053,-4.517 -4.289,-5.796 -8.277,-5.945 l 0,0
z"
    id="path17"
    inkscape:connector-curvature="0"
    style="fill:#fff" /></g>
</svg>

</div>
</div>
</div>
</div>
<div class="row">
  <div class="col-md-6 grid-margin transparent">
    <div class="row">
      <div class="col-md-6 mb-4 stretch-card transparent">
        <div class="card card-tale">
          <div class="card-body">
            <p class="mb-4">Balance</p>
            <p class="fs-30 mb-2">₹
<%=aes.decrypt(rs.getString("balance"))%></p>

```

```

        </div>
    </div>
</div>
</div>
</div>
</div>
<div>
    <%
                                }
    rs.close();
    con.close();
    } catch (Exception ex) {
        ex.printStackTrace();
    }

    %>
</div>
<!-- content-wrapper ends -->
<!-- partial:partials/_footer.html -->
<footer class="footer">
    <div class="d-sm-flex justify-content-center justify-content-sm-between">
        <span class="text-muted text-center text-sm-left d-block d-sm-inline-
block">Copyright © 2022 All rights reserved.</span>
    </div>
</footer>
<!-- partial -->
</div>
<!-- main-panel ends -->
</div>
<!-- page-body-wrapper ends -->
</div>
<!-- container-scroller -->

<!-- plugins:js -->
<script src="vendors/js/vendor.bundle.base.js"></script>
<!-- endinject -->
<!-- Plugin js for this page -->
<script src="vendors/chart.js/Chart.min.js"></script>
<script src="vendors/datatables.net/jquery.dataTables.js"></script>
<script src="vendors/datatables.net-bs4/dataTables.bootstrap4.js"></script>
<script src="js/dataTables.select.min.js"></script>

```

```

<!-- End plugin js for this page -->
<!-- inject:js -->
<script src="js/off-canvas.js"></script>
<script src="js/hoverable-collapse.js"></script>
<script src="js/template.js"></script>
<script src="js/settings.js"></script>
<script src="js/todolist.js"></script>
<!-- endinject -->
<!-- Custom js for this page-->
<script src="js/dashboard.js"></script>
<script src="js/Chart.roundedBarCharts.js"></script>
<!-- End custom js for this page-->
</body>
</html>

```

14- USER TRANSACTIONS

```

<%@page import="java.sql.ResultSet"%>
<%@page import="java.sql.Statement"%>
<%@page import="Database.SQLconnection"%>
<%@page import="java.sql.Connection"%>
<%@page import="algorithm.AEScryptography"%>
<%@page import="java.util.Date"%>
<%@page contentType="text/html" pageEncoding="UTF-8"%>
<!DOCTYPE html>
<html lang="en">
<head>
<!-- Required meta tags -->
<meta charset="utf-8">
<meta name="viewport" content="width=device-width, initial-scale=1, shrink-to-fit=no">
<title>Administer</title>
<!-- plugins:css -->
<link rel="stylesheet" href="vendors/feather/feather.css">
<link rel="stylesheet" href="vendors/ti-icons/css/themify-icons.css">
<link rel="stylesheet" href="vendors/css/vendor.bundle.base.css">
<!-- endinject -->
<!-- Plugin css for this page -->
<link rel="stylesheet" href="vendors/datatables.net-bs4/dataTables.bootstrap4.css">

```

```

<link rel="stylesheet" href="vendors/ti-icons/css/themify-icons.css">
<link rel="stylesheet" type="text/css" href="js/select.dataTables.min.css">
<!-- End plugin css for this page -->
<!-- inject:css -->
<link rel="stylesheet" href="css/vertical-layout-light/style.css">
<!-- endinject -->
<link rel="shortcut icon" href="images/favicon.png" />
</head>
<body>
<div class="container-scroller">
  <!-- partial:partials/_navbar.html -->
  <nav class="navbar col-lg-12 col-12 p-0 fixed-top d-flex flex-row">
    <div class="text-center navbar-brand-wrapper d-flex align-items-center justify-content-center">
      <a class="navbar-brand brand-logo mr-5" href="#"></a>
      <a class="navbar-brand brand-logo-mini" href="#"></a>
    </div>
    <div class="navbar-menu-wrapper d-flex align-items-center justify-content-end">
      <button class="navbar-toggler navbar-toggler align-self-center" type="button" data-
toggle="minimize">
        <span class="icon-menu"></span>
      </button>
      <ul class="navbar-nav mr-lg-2">
        <li class="nav-item nav-search d-none d-lg-block">
          <div class="input-group">
            <div class="input-group-prepend hover-cursor" id="navbar-search-icon">
              </div>
            <center><h3>ADMINISTRATOR</h3></center>
          </div>
        </li>
      </ul>
      <ul class="navbar-nav navbar-nav-right">
        <li class="nav-item nav-profile dropdown">
          <a class="nav-link dropdown-toggle" href="#" data-toggle="dropdown"
id="profileDropdown">
            <i class="icon-lock"></i>
          </a>
          <div class="dropdown-menu dropdown-menu-right navbar-dropdown" aria-

```

```

labelledby="profileDropdown">
    <a class="dropdown-item" href="logout.jsp">
        <i class="ti-power-off text-primary"></i>
        Logout
    </a>
</div>
</li>
</ul>
</div>
</nav>
<!-- partial -->
<div class="container-fluid page-body-wrapper">
    <!-- partial -->
    <!-- partial:partials/_sidebar.html -->
    <nav class="sidebar sidebar-offcanvas" id="sidebar">
        <ul class="nav">
            <li class="nav-item">
                <a class="nav-link" href="Admin_home.jsp">
                    <i class="icon-grid menu-icon"></i>
                    <span class="menu-title">Dashboard</span>
                </a>
            </li>
            <li class="nav-item">
                <a class="nav-link " href="UserActive.jsp">
                    <i class="ti-user menu-icon"></i>
                    <span class="menu-title">Activations</span>
                </a>
            </li>
            <li class="nav-item">
                <a class="nav-link" href="Rejected.jsp">
                    <i class="ti-user menu-icon"></i>
                    <span class="menu-title">Rejected Account</span>
                </a>
            </li>
            <li class="nav-item">
                <a class="nav-link active" href="ActiveUsers.jsp">
                    <i class="ti-user menu-icon"></i>
                    <span class="menu-title">Active Users</span>
                </a>
            </li>
        </ul>
    </nav>

```

```

</li>
<li class="nav-item">
  <a class="nav-link active" href="UserTransactions.jsp">
    <i class="ti-money menu-icon"></i>
    <span class="menu-title">Transactions</span>
  </a>
</li>
<li class="nav-item">
  <a class="nav-link" href="UserComplaints.jsp">
    <i class="icon-mail menu-icon"></i>
    <span class="menu-title">Complaints</span>
  </a>
</li>
</ul>
</nav>
<!-- partial -->
<div class="main-panel">
  <div class="content-wrapper">
    <div class="row">
      <div class="col-md-12 grid-margin stretch-card">
        <div class="card">
          <div class="card-body">
            <p class="card-title mb-0">Over All Transactions</p>
            <div class="table-responsive">
              <table class="table table-striped table-borderless">
                <thead>
                  <tr>
                    <th>Id</th>
                    <th>Type</th>
                    <th>Account Number</th>
                    <th>To Account</th>
                    <th>To Name</th>
                    <th>Amount</th>
                    <th>Status</th>
                    <th>Time</th>
                  </tr>
                </thead>
                <tbody>
                  <%

```

```

AEScryptography aes = new AEScryptography();
Connection con = SQLconnection.getconnection();
Statement st = con.createStatement();
String acno = null;
try {
    ResultSet rs = st.executeQuery("Select * from
transactions");

    while (rs.next()) {
        acno = rs.getString("accno");
%>
<tr>
<td><%=rs.getString("id")%></td>
<td class="font-weight-
bold"><%=aes.decrypt(rs.getString("type"))%></td>
<td><%=aes.decrypt(rs.getString("accno"))%></td>

<td><%=aes.decrypt(rs.getString("toaccount"))%></td>
<td><%=aes.decrypt(rs.getString("toname"))%></td>
<td><%=aes.decrypt(rs.getString("amount"))%></td>
<%
    String statuss = aes.decrypt(rs.getString("statuss"));
System.out.println("check ticket: " + statuss);
    String green = "Credit";
    String yellow = "Success";
    String batch = null;
    if (statuss.equals("Credit") &&
green.equals("Credit")) {

        batch = "badge-success";

    }
    else if (statuss.equals("Success") &&
yellow.equals("Success"))

    {
        batch = "badge-warning";
    }
    else {
        batch = "badge-danger";
    }
%>

```

```

        <td class="font-weight-medium"><div class="badge
<%=batch%>"><%=aes.decrypt(rs.getString("status"))%></div></td>
        <td><%=aes.decrypt(rs.getString("time"))%></td>
        <%=
            }
            rs.close();
            con.close();
        } catch (Exception ex) {
            ex.printStackTrace();
        }

        %>
    </tr>
</tbody>
</table>
</div>
</div>
</div>
</div>
</div>

</div>
</div>
<!-- content-wrapper ends -->
<!-- partial:partials/_footer.html -->
<footer class="footer">
    <div class="d-sm-flex justify-content-center justify-content-sm-between">
        <span class="text-muted text-center text-sm-left d-block d-sm-inline-block">Copyright
© 2022 All rights reserved.</span>
    </div>
</footer>
<!-- partial -->
</div>
<!-- main-panel ends -->
</div>
<!-- page-body-wrapper ends -->
</div>
<!-- container-scroller -->

<!-- plugins:js -->
<script src="vendors/js/vendor.bundle.base.js"></script>
<!-- endinject -->
<!-- Plugin js for this page -->

```

```

<script src="vendors/chart.js/Chart.min.js"></script>
<script src="vendors/datatables.net/jquery.dataTables.js"></script>
<script src="vendors/datatables.net-bs4/dataTables.bootstrap4.js"></script>
<script src="js/dataTables.select.min.js"></script>

<!-- End plugin js for this page -->
<!-- inject:js -->
<script src="js/off-canvas.js"></script>
<script src="js/hoverable-collapse.js"></script>
<script src="js/template.js"></script>
<script src="js/settings.js"></script>
<script src="js/todolist.js"></script>
<!-- endinject -->
<!-- Custom js for this page-->
<script src="js/dashboard.js"></script>
<script src="js/Chart.roundedBarCharts.js"></script>
<!-- End custom js for this page-->
</body>
</html>

```

15-WITHDRAW

```

<%@page import="java.sql.ResultSet"%>
<%@page import="java.sql.Statement"%>
<%@page import="Database.SQLconnection"%>
<%@page import="java.sql.Connection"%>
<%@page import="algorithm.AEScryptography"%>
<%@page import="java.util.Date"%>
<%@page contentType="text/html" pageEncoding="UTF-8"%>
<!DOCTYPE html>
<html lang="en">

    <head>
        <!-- Required meta tags -->
        <meta charset="utf-8">
        <meta name="viewport" content="width=device-width, initial-scale=1, shrink-to-fit=no">
        <title>Withdraw</title>
        <!-- plugins:css -->

```

```

<link rel="stylesheet" href="vendors/feather/feather.css">
<link rel="stylesheet" href="vendors/ti-icons/css/themify-icons.css">
<link rel="stylesheet" href="vendors/css/vendor.bundle.base.css">
<!-- endinject -->
<!-- Plugin css for this page -->
<link rel="stylesheet" href="vendors/datatables.net-bs4/dataTables.bootstrap4.css">
<link rel="stylesheet" href="vendors/ti-icons/css/themify-icons.css">
<link rel="stylesheet" type="text/css" href="js/select.dataTables.min.css">
<!-- End plugin css for this page -->
<!-- inject:css -->
<link rel="stylesheet" href="css/vertical-layout-light/style.css">
<!-- endinject -->
<link rel="shortcut icon" href="images/favicon.png" />
</head>
<%
    if (request.getParameter("success") != null) {%>
<script>alert('Amount Withdraw Success');</script>
<%}
%>

<%
    if (request.getParameter("Failed") != null) {%>
<script>alert('Amount Withdraw Failed');</script>
<%}
%>

<%
    if (request.getParameter("insufficient") != null) {%>
<script>alert('Balance Insufficient');</script>
<%}
%>

<%
    if (request.getParameter("Pinfailed") != null) {%>
<script>alert('Incorrect Pin Number');</script>
<%}
%>
<style>

.Wrap {

```

```

        display: flex;
        justify-content: center;
        align-items: center;
    }

    .Base {
        background: #ccc;
        height: 378px;
        width: 595px;
        border-radius: 15px;
    }

    .Inner-wrap {
        background-color: #0c0014;
        background-image: url('data:image/svg+xml,%3Csvg
xmlns='http://www.w3.org/2000/svg' width='100%25' height='100%25' viewBox='0 0 1600
800'%3E%3Cg %3E%3Cpolygon fill='%230d1838' points='1600%2C160 0%2C460
0%2C350 1600%2C50'/%3E%3Cpolygon fill='%230e315d' points='1600%2C260 0%2C560
0%2C450 1600%2C150'/%3E%3Cpolygon fill='%230f4981' points='1600%2C360 0%2C660
0%2C550 1600%2C250'/%3E%3Cpolygon fill='%231062a6' points='1600%2C460 0%2C760
0%2C650 1600%2C350'/%3E%3Cpolygon fill='%23117aca' points='1600%2C800 0%2C800
0%2C750 1600%2C450'/%3E%3C/g%3E%3C/svg%3E"');
        background-size: auto 147%;
        background-position: center;
        position: relative;
        height: 100%;
        width: 100%;
        border-radius: 13px;
        padding: 20px 40px;
        box-sizing: border-box;
        color: #fff;
    }

    /* Controls top right logo */

    .Logo {
        position: absolute;
        height: 80px;
        width: 80px;
        right: 0;
    }

```

```

        top: 0;
        padding: inherit;
        fill: #117aca;
    }

    /* Controls chip icon */

    .Chip {
        height: 80px;
        margin: 40px 0 25px 0;
    }

    .gold path{
        fill: url(#gold-gradient);
    }

    svg {
        display: block;
    }

    /* Controls name size */

    .Logo-name {
        transform: scale(.5);
        margin-left: -75px;
    }

    .Card-number p {
        text-align: center;
    }

    .Card-number {
        margin-top: -25px;
        display: flex;
        justify-content: center;
        color: rgba(255, 255, 255, 0.9);
    }

    ul1 {

```

```

padding: 0;
}

ul1 li1 {
list-style: none;
float: left;
margin: 0px 10px;
font-size: 2.2em;
}

#first-li {
margin-left: 0;
}

#last-li {
margin-right: 0;
}

.Expire {
font-size: .75em;
text-align: center;
}

.Expire h4 {
font-weight: 400;
color: #aaa;
margin: 0;
/* word-spacing: 9999999px; */
text-transform: uppercase;
}

.Expire p {
font-size: 1.55em;
color: rgba(255, 255, 255, 0.9);
}

.Name h3 {
position: absolute;
bottom: 0;

```

```

    left: 18%;
    text-transform: uppercase;
    font-weight: 400;
    font-size: 1.35em;
    color: rgba(255, 255, 255, 0.85);
}

.Visa {
    width: 115px;
    position: absolute;
    bottom: -145px;
    right: 0;
    padding: inherit;
}
</style>
<body>
    <div class="container-scroller">
        <!-- partial:partials/_navbar.html -->
        <nav class="navbar col-lg-12 col-12 p-0 fixed-top d-flex flex-row" >
            <div class="text-center navbar-brand-wrapper d-flex align-items-center justify-content-center">
                <a class="navbar-brand brand-logo mr-5" href="#"></a>
                <a class="navbar-brand brand-logo-mini" href="#"></a>
            </div>
            <div class="navbar-menu-wrapper d-flex align-items-center justify-content-end">
                <button class="navbar-toggler navbar-toggler align-self-center" type="button"
data-toggle="minimize">
                    <span class="icon-menu"></span>
                </button>
                <ul class="navbar-nav mr-lg-2">
                    <li class="nav-item nav-search d-none d-lg-block">
                        <div class="input-group">
                            <div class="input-group-prepend hover-cursor" id="navbar-search-icon">
                                </div>
                            <center> <h3></h3></center>
                        </div>
                    </li>
                </ul>
            </div>
        </nav>
    </div>

```

```

        <ul class="navbar-nav navbar-nav-right">
            <li class="nav-item nav-profile dropdown">
                <a class="nav-link dropdown-toggle" href="#" data-toggle="dropdown"
id="profileDropdown">
                    <i class="icon-lock"></i>
                </a>
                <div class="dropdown-menu dropdown-menu-right navbar-dropdown" aria-
labelledby="profileDropdown">
                    <a class="dropdown-item" href="logout.jsp">
                        <i class="ti-power-off text-primary"></i>
                        Logout
                    </a>
                </div>
            </li>
        </ul>
    </div>
</nav>
<!-- partial -->
<div class="container-fluid page-body-wrapper">
    <!-- partial -->
    <!-- partial:partials/_sidebar.html -->
    <nav class="sidebar sidebar-offcanvas" id="sidebar">
        <ul class="nav">
            <li class="nav-item">
                <a class="nav-link active" href="UserHome.jsp" >
                    <i class="icon-grid menu-icon"></i>
                    <span class="menu-title">Dashboard</span>
                </a>
            </li>
            <li class="nav-item">
                <a class="nav-link" href="Profile.jsp">
                    <i class="ti-user menu-icon"></i>
                    <span class="menu-title">Profile</span>
                </a>
            </li>
            <li class="nav-item">
                <a class="nav-link" href="Deposits.jsp">
                    <i class="ti-user menu-icon"></i>
                    <span class="menu-title">Deposits</span>
                </a>
            </li>
        </ul>
    </nav>

```

```

        </li>
        <li class="nav-item">
            <a class="nav-link" href="Withdraw.jsp">
                <i class="ti-money menu-icon"></i>
                <span class="menu-title">Withdraw</span>
            </a>
        </li>
        <li class="nav-item">
            <a class="nav-link" href="Transfer.jsp">
                <i class="ti-money menu-icon"></i>
                <span class="menu-title">Transfer</span>
            </a>
        </li>
        <li class="nav-item">
            <a class="nav-link" href="Transactions.jsp">
                <i class="ti-calendar menu-icon"></i>
                <span class="menu-title">Transactions</span>
            </a>
        </li>
        <li class="nav-item">
            <a class="nav-link" href="Complaints.jsp">
                <i class="icon-mail menu-icon"></i>
                <span class="menu-title">Complaints</span>
            </a>
        </li>
    </ul>
</nav>
<%
    String uid = session.getAttribute("uid").toString();
    AESScryptography aes = new AESScryptography();
    Connection con = SQLconnection.getConnection();
    Statement st = con.createStatement();
    try {
        ResultSet rs = st.executeQuery("Select * from accdetails where uid='" + uid +
        """);
        while (rs.next()) {

    %>
    <!-- partial -->

```

```

<div class="main-panel">
  <div class="content-wrapper">
    <div class="row">
      <div class="col-md-12 grid-margin">
        <div class="row">
          <div class="col-12 col-xl-8 mb-4 mb-xl-0">
            <h3 class="font-weight-bold">Withdraw Section</h3>
            <h6 class="font-weight-normal mb-0"></h6>
          </div>
          <div class="col-12 col-xl-4">
            <div class="justify-content-end d-flex">
              <div class="dropdown flex-md-grow-1 flex-xl-grow-0">
                <button class="btn btn-sm btn-light bg-white" type="button"
aria-haspopup="true" aria-expanded="true">
                  <i class="mdi mdi-calendar"></i> <%Date date = new
Date();%> <%=date.toString()%>
                </button>
              </div>
            </div>
          </div>
        </div>
      </div>
    </div>
    <div class="row">
      <div class="col-md-10 stretch-card" style="padding-left: 200px">
        <div class="card">
          <div class="card-body">
            <form action="withdrawacc.jsp" method="post">
              <h4 class="card-title">Withdraw</h4>
              <p class="card-description">
                Withdraw Money from your account
              </p>
              <div class="form-group">
                <div class="input-group">
                  <div class="input-group-prepend">
                    <span class="input-group-text">@</span>
                  </div>
                  <input type="text" class="form-control"
value="<%=aes.decrypt(rs.getString("accno"))%">" placeholder="Account Number"
name="accno" aria-label="Username" required="" readonly="">

```

```

        </div>
    </div>
    <div class="form-group">
        <div class="input-group">
            <div class="input-group-prepend">
                <span class="input-group-text bg-primary text-
white">₹</span>

                </div>
                <input type="text" name="money" class="form-control" aria-
label="Amount (to the nearest Rupee)" required="" autocomplete="off">
                <input type="hidden" class="form-control" name="type"
value="Withdraw" >

                <div class="input-group-append">
                    <span class="input-group-text">.00</span>
                </div>
            </div>

        </div>

    </div>
    <div class="form-group">
        <div class="input-group">
            <div class="input-group-prepend">
                <span class="input-group-text">#</span>
            </div>
            <input type="password" id="myInput" class="form-control"
placeholder="Pin Number" name="pin" aria-label="Pin Number" required=""
autocomplete="off">
        </div>

        <div class="form-check">
            <label class="form-check-label">
                <input class="checkbox" type="checkbox"
onclick="myFunction()">

                Show Pin Number
            </label>
        </div>
    </div>
    <div class="form-group" style="padding-left: 250px">
        <div class="input-group">
            <center><button type="submit" class="btn btn-primary mb-
2">Withdraw</button></center>

```

```

        </div>
    </div>
</form>
</div>
</div>
</div>
</div>
</div>
<%
                                }
    rs.close();
    con.close();
} catch (Exception ex) {
    ex.printStackTrace();
}

%>

</div>
<!-- content-wrapper ends -->
<!-- partial:partials/_footer.html -->
<footer class="footer">
    <div class="d-sm-flex justify-content-center justify-content-sm-between">
        <span class="text-muted text-center text-sm-left d-block d-sm-inline-
block">Copyright © 2022 All rights reserved.</span>
    </div>
</footer>
<!-- partial -->
</div>
<!-- main-panel ends -->
</div>
<!-- page-body-wrapper ends -->
</div>
<!-- container-scroller -->
<script>
    function myFunction() {
        var x = document.getElementById("myInput");
        if (x.type === "password") {
            x.type = "text";
        } else {
            x.type = "password";

```

```

        }
    }
</script>

<!-- plugins:js -->
<script src="vendors/js/vendor.bundle.base.js"></script>
<!-- endinject -->
<!-- Plugin js for this page -->
<script src="vendors/chart.js/Chart.min.js"></script>
<script src="vendors/datatables.net/jquery.dataTables.js"></script>
<script src="vendors/datatables.net-bs4/dataTables.bootstrap4.js"></script>
<script src="js/dataTables.select.min.js"></script>

<!-- End plugin js for this page -->
<!-- inject:js -->
<script src="js/off-canvas.js"></script>
<script src="js/hoverable-collapse.js"></script>
<script src="js/template.js"></script>
<script src="js/settings.js"></script>
<script src="js/todolist.js"></script>
<!-- endinject -->
<!-- Custom js for this page-->
<script src="js/dashboard.js"></script>
<script src="js/Chart.roundedBarCharts.js"></script>
<!-- End custom js for this page-->
</body>
</html>

```

16-ACTIVATE

```

<%@page import="algorithm.AEScryptography"%>
<%@page import="java.sql.ResultSet"%>
<%@page import="java.sql.Statement"%>
<%@page import="Database.SQLconnection"%>
<%@page import="java.sql.Connection"%>
<%@page import="java.util.Date"%>
<%@page contentType="text/html" pageEncoding="UTF-8"%>
<!DOCTYPE html>
<html lang="en">

```

```

<head>
  <!-- Required meta tags -->
  <meta charset="utf-8">
  <meta name="viewport" content="width=device-width, initial-scale=1, shrink-to-
fit=no">
  <title>Administer</title>
  <!-- plugins:css -->
  <link rel="stylesheet" href="vendors/feather/feather.css">
  <link rel="stylesheet" href="vendors/ti-icons/css/themify-icons.css">
  <link rel="stylesheet" href="vendors/css/vendor.bundle.base.css">
  <!-- endinject -->
  <!-- Plugin css for this page -->
  <link rel="stylesheet" href="vendors/datatables.net-bs4/dataTables.bootstrap4.css">
  <link rel="stylesheet" href="vendors/ti-icons/css/themify-icons.css">
  <link rel="stylesheet" type="text/css" href="js/select.dataTables.min.css">
  <!-- End plugin css for this page -->
  <!-- inject:css -->
  <link rel="stylesheet" href="css/vertical-layout-light/style.css">
  <!-- endinject -->
  <link rel="shortcut icon" href="images/favicon.png" />
</head>
<body>
  <div class="container-scroller">
    <!-- partial:partials/_navbar.html -->
    <nav class="navbar col-lg-12 col-12 p-0 fixed-top d-flex flex-row">
      <div class="text-center navbar-brand-wrapper d-flex align-items-center justify-
content-center">
        <a class="navbar-brand brand-logo mr-5" href="#"></a>
        <a class="navbar-brand brand-logo-mini" href="#"></a>
      </div>
      <div class="navbar-menu-wrapper d-flex align-items-center justify-content-end">
        <button class="navbar-toggler navbar-toggler align-self-center" type="button"
data-toggle="minimize">
          <span class="icon-menu"></span>
        </button>
        <ul class="navbar-nav mr-lg-2">
          <li class="nav-item nav-search d-none d-lg-block">

```

```

        <div class="input-group">
            <div class="input-group-prepend hover-cursor" id="navbar-search-icon">
            </div>
            <center> <h3>ADMINISTRATOR</h3></center>
        </div>
    </li>
</ul>
<ul class="navbar-nav navbar-nav-right">
    <li class="nav-item nav-profile dropdown">
        <a class="nav-link dropdown-toggle" href="#" data-toggle="dropdown"
id="profileDropdown">
            <i class="icon-lock"></i>
        </a>
        <div class="dropdown-menu dropdown-menu-right navbar-dropdown" aria-
labelledby="profileDropdown">
            <a class="dropdown-item" href="logout.jsp">
                <i class="ti-power-off text-primary"></i>
                Logout
            </a>
        </div>
    </li>
</ul>
</div>
</nav>
<%
    String uid = request.getParameter("id");
    AEScryptography aes = new AEScryptography();

    Connection con = SQLconnection.getconnection();
    Statement st = con.createStatement();
    try {
        ResultSet rs = st.executeQuery("Select * from usercreate where id='" + uid + "'");
        while (rs.next()) {
            String address = rs.getString("address");
            System.out.println(address);
        }
    }
%>
<!-- partial -->
<div class="container-fluid page-body-wrapper">
    <!-- partial -->
    <!-- partial:partials/_sidebar.html -->

```

```

<nav class="sidebar sidebar-offcanvas" id="sidebar">
  <ul class="nav">
    <li class="nav-item">
      <a class="nav-link" href="Admin_home.jsp">
        <i class="icon-grid menu-icon"></i>
        <span class="menu-title">Dashboard</span>
      </a>
    </li>
    <li class="nav-item">
      <a class="nav-link" href="UserActive.jsp">
        <i class="ti-user menu-icon"></i>
        <span class="menu-title">Activations</span>
      </a>
    </li>
    <li class="nav-item">
      <a class="nav-link" href="Rejected.jsp">
        <i class="ti-user menu-icon"></i>
        <span class="menu-title">Rejected Account</span>
      </a>
    </li>
    <li class="nav-item">
      <a class="nav-link" href="ActiveUsers.jsp">
        <i class="ti-user menu-icon"></i>
        <span class="menu-title">Active Users</span>
      </a>
    </li>
    <li class="nav-item">
      <a class="nav-link" href="UserTransactions.jsp">
        <i class="ti-money menu-icon"></i>
        <span class="menu-title">Transactions</span>
      </a>
    </li>
    <li class="nav-item">
      <a class="nav-link" href="UserComplaints.jsp">
        <i class="icon-mail menu-icon"></i>
        <span class="menu-title">Complaints</span>
      </a>
    </li>
  </ul>

```

```

</nav>
<!-- partial -->
<div class="main-panel">
  <div class="content-wrapper">
    <div class="row">
      <div class="col-md-12 grid-margin">
        <div class="row">
          <div class="col-12 grid-margin">
            <div class="card">
              <div class="card-body">
                <center><h4 class="card-title">Account Opening
Details</h4></center>
                <form class="form-sample" action="code_active"
method="post" enctype="multipart/form-data">
                  <p class="card-description">
                    <h4 class="card-title">Applicant Photo</h4>
                  </p>
                  <div class="row">
                    <div class="col-md-6">
                      <center> " width="auto" height="130"></center>
                    </div>
                  </div>
                  <p class="card-description">
                    <h4 class="card-title">Personal Info</h4>
                  </p>
                  <div class="row">
                    <div class="col-md-6">
                      <div class="form-group row">
                        <label class="col-sm-3 col-form-label">Applicant
Name</label>
                        <div class="col-sm-9">
                          <input type="text" name="fname" class="form-
control" value="<%=aes.decrypt(rs.getString("name"))%>" required="" autocomplete="off"
disabled="" />
                        </div>
                      </div>
                    </div>
                  </div>
                </div>
              </div>
            </div>
          </div>
        </div>
      </div>
    </div>
  </div>

```

```

<div class="col-md-6">
  <div class="form-group row">
    <label class="col-sm-3 col-form-label">Father
Name</label>

    <div class="col-sm-9">
      <input type="text" name="father" class="form-
control" value="<%=aes.decrypt(rs.getString("father"))%" required="" autocomplete="off"
disabled="" />
      </div>
    </div>
  </div>
<div class="col-md-6">
  <div class="form-group row">
    <label class="col-sm-3 col-form-label">Mother
Name</label>

    <div class="col-sm-9">
      <input type="text" name="mother" class="form-
control" value="<%=aes.decrypt(rs.getString("mother"))%" required="" autocomplete="off"
disabled="" />
      </div>
    </div>
  </div>
<div class="row">
  <div class="col-md-6">
    <div class="form-group row">
      <label class="col-sm-3 col-form-
label">Gender</label>

      <div class="col-sm-9">
        <input type="text" name="gender" class="form-
control" value="<%=aes.decrypt(rs.getString("gender"))%" required="" autocomplete="off"
disabled="" />
        </div>
      </div>
    </div>
  <div class="col-md-6">
    <div class="form-group row">
      <label class="col-sm-3 col-form-label">Date of
Birth</label>

      <div class="col-sm-9">
        <input type="text" name="dob" class="form-

```

```
control" value="<%=aes.decrypt(rs.getString("dob"))%" required="" autocomplete="off"
disabled="" />
```

```
</div>
```

```
</div>
```

```
</div>
```

```
</div>
```

```
<div class="row">
```

```
<div class="col-md-6">
```

```
<div class="form-group row">
```

```
<label class="col-sm-3 col-form-label">Account
```

```
Type</label>
```

```
<div class="col-sm-9">
```

```
<input type="text" class="form-control"
```

```
name="actype" value="<%=aes.decrypt(rs.getString("actype"))%" required=""
autocomplete="off" disabled="">
```

```
</div>
```

```
</div>
```

```
</div>
```

```
</div>
```

```
<h4 class="card-title">KYC Details</h4>
```

```
<div class="row">
```

```
<div class="col-md-6">
```

```
<div class="form-group row">
```

```
<label class="col-sm-3 col-form-label">PAN Card
```

```
Number</label>
```

```
<div class="col-sm-9">
```

```
<input class="form-control" type="text"
```

```
name="pancardno" value="<%=aes.decrypt(rs.getString("pancardno"))%" required=""
autocomplete="off" disabled="" />
```

```
</div>
```

```
</div>
```

```
</div>
```

```
<div class="col-md-6">
```

```
<div class="form-group row">
```

```
<label class="col-sm-3 col-form-label">Adhar
```

```
Number</label>
```

```
<div class="col-sm-9">
```

```
<input class="form-control" type="text"
```

```
name="adharno" value="<%=aes.decrypt(rs.getString("adharno"))%" required=""
autocomplete="off" disabled="" />
```

```
</div>
```

```

        </div>
    </div>
</div>
<div class="row">
    <div class="col-md-6">
        <div class="form-group row">
            <label class="col-sm-3 col-form-label">Mobile
Number</label>

            <div class="col-sm-9">
                <input class="form-control" type="text"
value="<%=aes.decrypt(rs.getString("mobile"))%">" required="" autocomplete="off"
disabled="" name="mobile" />
            </div>
        </div>
    </div>
</div>
<div class="col-md-6">
    <div class="form-group row">
        <label class="col-sm-3 col-form-label">Email
Id</label>

        <div class="col-sm-9">
            <input class="form-control" type="email"
name="mailid" value="<%=aes.decrypt(rs.getString("mailid"))%">" required=""
autocomplete="off" disabled="" />
        </div>
    </div>
</div>
</div>
<h4 class="card-title">Address</h4>
<div class="row">
    <div class="col-md-6">
        <div class="form-group row">
            <label class="col-sm-3 col-form-
label">Address</label>

            <div class="col-sm-9">
                <textarea class="form-control"
id="exampleTextarea1" value="" required="" autocomplete="off" disabled=""
rows="4"><%=aes.decrypt(rs.getString("address"))%"></textarea>
            </div>
        </div>
    </div>
</div>
<div class="col-md-6">

```

```

        <div class="form-group row">
            <label class="col-sm-3 col-form-label">State</label>
            <div class="col-sm-9">
                <input type="text" class="form-control"
name="state" value="<%=aes.decrypt(rs.getString("state"))%" required=""
autocomplete="off" disabled="" />
            </div>
        </div>
    </div>
</div>
<div class="row">
    <div class="col-md-6">
        <div class="form-group row">
            <label class="col-sm-3 col-form-label">City</label>
            <div class="col-sm-9">
                <input type="text" class="form-control"
name="city" value="<%=aes.decrypt(rs.getString("city"))%" required=""
autocomplete="off" disabled="" />
            </div>
        </div>
    </div>
</div>
<div class="col-md-6">
    <div class="form-group row">
        <label class="col-sm-3 col-form-
label">Postcode</label>
        <div class="col-sm-9">
            <input type="text" class="form-control"
name="postcode" value="<%=aes.decrypt(rs.getString("postcode"))%" required=""
autocomplete="off" disabled="" />
        </div>
    </div>
</div>
<div class="col-md-6">
    <div class="form-group row">
        <label class="col-sm-3 col-form-
label">Country</label>
        <div class="col-sm-9">
            <input type="text" class="form-control"
name="country" value="<%=aes.decrypt(rs.getString("country"))%" required=""
autocomplete="off" disabled="" />
        </div>
    </div>
</div>

```

```

        </div>
    </div>
</div>
    <center><a href="Activateacc?id=<%=rs.getString("id")%>"
class="btn btn-group-lg btn-success" >Activate</a>&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;<a
href="rejectacc?id=<%=rs.getString("id")%>" class="btn btn-group-lg btn-danger"
>Reject</a></center>

    </form>
</div>
</div>
</div>
<%
                                }
    } catch (Exception ex) {
        System.out.println(ex);;
    }

    %>
</div>
</div>
</div>
</div>
<!-- content-wrapper ends -->
<!-- partial:partials/_footer.html -->
<footer class="footer">
    <div class="d-sm-flex justify-content-center justify-content-sm-between">
        <span class="text-muted text-center text-sm-left d-block d-sm-inline-
block">Copyright © 2022 All rights reserved.</span>
    </div>
</footer>
<!-- partial -->
</div>
<!-- main-panel ends -->
</div>
<!-- page-body-wrapper ends -->
</div>
<!-- container-scroller -->

<!-- plugins:js -->
<script src="vendors/js/vendor.bundle.base.js"></script>
<!-- endinject -->

```

```

<!-- Plugin js for this page -->
<script src="vendors/chart.js/Chart.min.js"></script>
<script src="vendors/datatables.net/jquery.dataTables.js"></script>
<script src="vendors/datatables.net-bs4/dataTables.bootstrap4.js"></script>
<script src="js/dataTables.select.min.js"></script>

<!-- End plugin js for this page -->
<!-- inject:js -->
<script src="js/off-canvas.js"></script>
<script src="js/hoverable-collapse.js"></script>
<script src="js/template.js"></script>
<script src="js/settings.js"></script>
<script src="js/todolist.js"></script>
<!-- endinject -->
<!-- Custom js for this page-->
<script src="js/dashboard.js"></script>
<script src="js/Chart.roundedBarCharts.js"></script>
<!-- End custom js for this page-->
</body>
</html>

```

17- ADMIN

```

<%@page contentType="text/html" pageEncoding="UTF-8"%>
<!DOCTYPE html>
<html lang="en">

<head>
<!-- Required meta tags -->
<meta charset="utf-8">
<meta name="viewport" content="width=device-width, initial-scale=1, shrink-to-fit=no">
<title>Online Transaction System With Cryptography(AES)</title>
<!-- plugins:css -->
<link rel="stylesheet" href="vendors/feather/feather.css">
<link rel="stylesheet" href="vendors/ti-icons/css/themify-icons.css">
<link rel="stylesheet" href="vendors/css/vendor.bundle.base.css">
<!-- endinject -->
<!-- Plugin css for this page -->
<!-- End plugin css for this page -->

```

```

<!-- inject:css -->
<link rel="stylesheet" href="css/vertical-layout-light/style.css">
<!-- endinject -->
</head>

<body>
  <nav class="navbar navbar-expand-lg navbar-dark navbar-custom fixed-top"
style="background-color: #00bfd8">
    <!-- Text Logo - Use this if you don't have a graphic logo -->
    <!-- <a class="navbar-brand logo-text page-scroll" href="index.html">Evolu</a> -->

    <!-- Image Logo -->
    <a class="navbar-brand logo-image" href="index.jsp" style="color: white">AES</a>
    <!-- Mobile Menu Toggle Button -->
    <button class="navbar-toggler" type="button" data-toggle="collapse" data-
target="#navbarsExampleDefault" aria-controls="navbarsExampleDefault" aria-
expanded="false" aria-label="Toggle navigation">
      <span class="navbar-toggler-awesome fas fa-bars"></span>
      <span class="navbar-toggler-awesome fas fa-times"></span>
    </button>
    <!-- end of mobile menu toggle button -->

    <div class="collapse navbar-collapse" id="navbarsExampleDefault">
      <ul class="navbar-nav ml-auto">
        <li class="nav-item">
          <a class="nav-link page-scroll" style="color: white"
href="index.jsp#header">Home <span class="sr-only">(current)</span></a>
        </li>
        <li class="nav-item">
          <a class="nav-link page-scroll" style="color: white"
href="index.jsp#services">Services</a>
        </li>
        <li class="nav-item">
          <a class="nav-link page-scroll" style="color: white" href="Login.jsp">Net
Banking</a>
        </li>
        <li class="nav-item">
          <a class="nav-link page-scroll" style="color: white"
href="admin.jsp">Admin</a>
        </li>

```

```

        </ul>
    </div>
</nav> <!-- end of navbar -->
<!-- end of navigation -->
<div class="container-scroller" style="background: #FC5C7D; /* fallback for old browsers
*/
background: -webkit-linear-gradient(to right, #6A82FB, #FC5C7D); /* Chrome 10-25, Safari
5.1-6 */
background: linear-gradient(to right, #6A82FB, #FC5C7D); /* W3C, IE 10+/ Edge, Firefox
16+, Chrome 26+, Opera 12+, Safari 7+ */
">
    <div class="container-fluid page-body-wrapper full-page-wrapper">
        <div class="content-wrapper d-flex align-items-center auth px-0">
            <div class="row w-100 mx-0">
                <div class="col-lg-4 mx-auto">
                    <div class="auth-form-light text-left py-5 px-4 px-sm-5">
                        <div class="brand-logo">
                        </div>
                        <center><h4>Administrator</h4></center>
                        <h6 class="font-weight-light">Sign in to continue.</h6>
                        <form class="pt-3" action="adminlog" method="post">
                            <div class="form-group">
                                <input type="text" class="form-control form-control-lg"
id="exampleInputEmail1" name="name" placeholder="Username" autocomplete="off">
                                </div>
                                <div class="form-group">
                                    <input type="password" class="form-control form-control-lg"
id="exampleInputPassword1" name="pass" placeholder="Password" autocomplete="off">
                                </div>
                                <div class="mt-3">
                                    <button class="btn btn-block btn-primary btn-lg font-weight-medium auth-form-
btn" type="submit">SIGN IN</button>
                                </div>
                                <div class="my-2 d-flex justify-content-between align-items-center">
                                </div>
                                <div class="mb-2">
                                </div>
                                </form>
                            </div>
                        </div>

```

```

        </div>
    </div>
    <!-- content-wrapper ends -->
</div>
<!-- page-body-wrapper ends -->
</div>
<!-- container-scroller -->
<!-- plugins:js -->
<script src="vendors/js/vendor.bundle.base.js"></script>
<!-- endinject -->
<!-- Plugin js for this page -->
<!-- End plugin js for this page -->
<!-- inject:js -->
<script src="js/off-canvas.js"></script>
<script src="js/hoverable-collapse.js"></script>
<script src="js/template.js"></script>
<script src="js/settings.js"></script>
<script src="js/todolist.js"></script>
<!-- endinject -->
</body>

</html>

```

18- CHECK AJAX

```

<%@page import="algorithm.AEScryptography"%>
<%@page import="Database.SQLconnection"%>
<%@page contentType="text/html" pageEncoding="UTF-8"%>
<%@ page import="java.sql.*" %>
<%
String name = request.getParameter("mailid").toString();
System.out.println(name);
AEScryptography aes= new AEScryptography();
String email =aes.encrypt(name);
String data ="";
try{
Connection con=SQLconnection.getconnection();
Statement st=con.createStatement();

```

```

ResultSet rs=st.executeQuery("select * from usercreate where mailid='"+email+"'");
int count=0;
while(rs.next())
{

count++;
}

if(count>0)
{
data="Email-ID already exists!";
}
else
{
data="You can register now!!!!";
}
out.println(data);
System.out.println(data);
}
catch (Exception e) {
System.out.println(e);
}
%>

```

19- INDEX

```

<%@page contentType="text/html" pageEncoding="UTF-8"%>
<!DOCTYPE html>
<html lang="en">
  <head>
    <meta charset="utf-8">
    <meta name="viewport" content="width=device-width, initial-scale=1, shrink-to-fit=no">

    <!-- SEO Meta Tags -->
    <meta name="description" content="">
    <meta name="author" content="">

```

```

    <!-- OG Meta Tags to improve the way the post looks when you share the page on
    LinkedIn, Facebook, Google+ -->
    <meta property="og:site_name" content="" /> <!-- website name -->
    <meta property="og:site" content="" /> <!-- website link -->
    <meta property="og:title" content="" /> <!-- title shown in the actual shared post -->
    <meta property="og:description" content="" /> <!-- description shown in the actual
    shared post -->
    <meta property="og:image" content="" /> <!-- image link, make sure it's jpg -->
    <meta property="og:url" content="" /> <!-- where do you want your post to link to -->
    <meta property="og:type" content="article" />

    <!-- Website Title -->
    <title>Online Transaction System With Cryptography(AES)</title>

    <!-- Styles -->
    <link
href="https://fonts.googleapis.com/css?family=Raleway:400,400i,600,700,700i&subset=latin-ext" rel="stylesheet">
    <link href="User/css/bootstrap.css" rel="stylesheet">
    <link href="User/css/fontawesome-all.css" rel="stylesheet">
    <link href="User/css/swiper.css" rel="stylesheet">
    <link href="User/css/magnific-popup.css" rel="stylesheet">
    <link href="User/css/styles.css" rel="stylesheet">

    <!-- Favicon -->
</head>
<body data-spy="scroll" data-target=".fixed-top">

    <!-- Preloader -->
    <div class="spinner-wrapper">
        <div class="spinner">
            <div class="bounce1"></div>
            <div class="bounce2"></div>
            <div class="bounce3"></div>
        </div>
    </div>
    <!-- end of preloader -->

    <!-- Navigation -->

```

```

<nav class="navbar navbar-expand-lg navbar-dark navbar-custom fixed-top">
  <!-- Text Logo - Use this if you don't have a graphic logo -->
  <!-- <a class="navbar-brand logo-text page-scroll" href="index.html">Evol</a> -->

  <!-- Image Logo -->
  <a class="navbar-brand logo-image" href="index.jsp" style="color:
#0080ff">AES</a>
  <!-- Mobile Menu Toggle Button -->
  <button class="navbar-toggler" type="button" data-toggle="collapse" data-
target="#navbarsExampleDefault" aria-controls="navbarsExampleDefault" aria-
expanded="false" aria-label="Toggle navigation">
    <span class="navbar-toggler-awesome fas fa-bars"></span>
    <span class="navbar-toggler-awesome fas fa-times"></span>
  </button>
  <!-- end of mobile menu toggle button -->

  <div class="collapse navbar-collapse" id="navbarsExampleDefault">
    <ul class="navbar-nav ml-auto">
      <li class="nav-item">
        <a class="nav-link page-scroll" href="#header">Home <span class="sr-
only">(current)</span></a>
      </li>
      <li class="nav-item">
        <a class="nav-link page-scroll" href="#services">Services</a>
      </li>
      <li class="nav-item">
        <a class="nav-link page-scroll" href="Login.jsp">Net Banking</a>
      </li>
      <li class="nav-item">
        <a class="nav-link page-scroll" href="admin.jsp">Admin</a>
      </li>
    </ul>
  </div>
</nav> <!-- end of navbar -->
<!-- end of navigation -->

<!-- Header -->
<header id="header" class="header">
  <div class="header-content">

```

```

<div class="container">
  <div class="row">
    <div class="col-lg-6">
      <div class="text-container">
        <h1><span class="turquoise">Online Transaction System</span> With
Cryptography</h1>
        <p class="p-large"></p>
        <a class="btn-solid-lg page-scroll" href="#services">DISCOVER</a>
      </div> <!-- end of text-container -->
    </div> <!-- end of col -->
    <div class="col-lg-6">
      <div class="image-container">
        
      </div> <!-- end of image-container -->
    </div> <!-- end of col -->
  </div> <!-- end of row -->
</div> <!-- end of container -->
</div> <!-- end of header-content -->
</header> <!-- end of header -->
<!-- end of header -->

```

```

<!-- Services -->
<div id="services" class="cards-1">
  <div class="container">
    <div class="row">
      <div class="col-lg-12">
        <h2>Banking Services</h2>
        <p class="p-heading p-large"></p>
      </div> <!-- end of col -->
    </div> <!-- end of row -->
    <div class="row">
      <div class="col-lg-12">

        <!-- Card -->
        <div class="card">
          
          <div class="card-body">

```

```

        <h4 class="card-title">Personal Loans</h4>
        <p>
            Personal Loan on Credit Card<br>
            Flexicash (Overdraft Against Salary)<br>
            Business Loan<br>
            Home Loan</p>
    </div>
</div>
<!-- end of card -->

<!-- Card -->
<div class="card">
    
    <div class="card-body">
        <h4 class="card-title">Savings Account</h4>
        <p>
            Regular Savings Account<br>
            Salary Account<br>
            Senior Citizen Savings Account<br>
            Retire Happy Savings Account</p>
    </div>
</div>
<!-- end of card -->

<!-- Card -->
<div class="card">
    
    <div class="card-body">
        <h4 class="card-title">Fixed Deposit(FD)</h4>
        <p>Fixed Deposit<br>
            FD Xtra<br>
            Tax Saving FD<br>
            Money Multiplier FD<br>
            FD with Monthly Income</p>
    </div>
</div>
<!-- end of card -->

```

```

        </div> <!-- end of col -->
    </div> <!-- end of row -->
</div> <!-- end of container -->
</div> <!-- end of cards-1 -->
<!-- end of services -->

<!-- Footer -->
<div class="footer">
    <div class="container">
        <div class="row">
            <div class="col-md-4">
                <div class="footer-col">
                    <h4>About Cryptography</h4>
                    <p>Cryptography is the study of secure communications techniques that
allow only the sender and intended recipient of a message to view its contents.</p>
                </div>
            </div> <!-- end of col -->
            <div class="col-md-4">
                <div class="footer-col middle">
                    <h4>Important Links</h4>
                    <ul class="list-unstyled li-space-lg">
                        <li class="media">
                            <i class="fas fa-square"></i>
                            <div class="media-body"><a class="turquoise"
href="Login.jsp">Account Creation</a></div>
                        </li>
                        <li class="media">
                            <i class="fas fa-square"></i>
                            <div class="media-body"><a class="turquoise"
href="Login.jsp">Deposit</a></div>
                        </li>
                        <li class="media">
                            <i class="fas fa-square"></i>
                            <div class="media-body"><a class="turquoise"
href="Login.jsp">Transfer Money</a></div>
                        </li>
                        <li class="media">
                            <i class="fas fa-square"></i>
                            <div class="media-body"><a class="turquoise"

```

```

href="Login.jsp">Check Balance</a></div>
    </li>
</ul>
</div>
</div> <!-- end of col -->
<div class="col-md-4">
    <div class="footer-col last">
        <h4>Social Media</h4>
        <span class="fa-stack">
            <a href="#">
                <i class="fas fa-circle fa-stack-2x"></i>
                <i class="fab fa-facebook-f fa-stack-1x"></i>
            </a>
        </span>
        <span class="fa-stack">
            <a href="#">
                <i class="fas fa-circle fa-stack-2x"></i>
                <i class="fab fa-twitter fa-stack-1x"></i>
            </a>
        </span>
        <span class="fa-stack">
            <a href="#">
                <i class="fas fa-circle fa-stack-2x"></i>
                <i class="fab fa-google-plus-g fa-stack-1x"></i>
            </a>
        </span>
        <span class="fa-stack">
            <a href="#">
                <i class="fas fa-circle fa-stack-2x"></i>
                <i class="fab fa-instagram fa-stack-1x"></i>
            </a>
        </span>
        <span class="fa-stack">
            <a href="#">
                <i class="fas fa-circle fa-stack-2x"></i>
                <i class="fab fa-linkedin-in fa-stack-1x"></i>
            </a>
        </span>
    </div>
</div>

```

```

        </div> <!-- end of col -->
    </div> <!-- end of row -->
</div> <!-- end of container -->
</div> <!-- end of footer -->
<!-- end of footer -->

<!-- Copyright -->
<div class="copyright">
    <div class="container">
        <div class="row">
            <div class="col-lg-12">
                <p class="p-small"></p>
            </div> <!-- end of col -->
        </div> <!-- end of row -->
    </div> <!-- end of container -->
</div> <!-- end of copyright -->
<!-- end of copyright -->

<!-- Scripts -->
<script src="User/js/jquery.min.js"></script> <!-- jQuery for Bootstrap's JavaScript
plugins -->
<script src="User/js/popper.min.js"></script> <!-- Popper tooltip library for Bootstrap --
>
<script src="User/js/bootstrap.min.js"></script> <!-- Bootstrap framework -->
<script src="User/js/jquery.easing.min.js"></script> <!-- jQuery Easing for smooth
scrolling between anchors -->
<script src="User/js/swiper.min.js"></script> <!-- Swiper for image and text sliders -->
<script src="User/js/jquery.magnific-popup.js"></script> <!-- Magnific Popup for
lightboxes -->
<script src="User/js/validator.min.js"></script> <!-- Validator.js - Bootstrap plugin that
validates forms -->
<script src="User/js/scripts.js"></script> <!-- Custom scripts -->
</body>
</html>

```

20-LOG OUT

```
<%@page contentType="text/html" pageEncoding="UTF-8"%>
```

```

<html>
    <body>
        <% session.invalidate(); %> <!-- HERE WE ARE INVALIDATE THE
SESSION, SO THAT NO VALUES WILL BE PRESENT IN SESSION -->
        <jsp:forward page="index.jsp"/>
    </body>
</html>

```

21-REGISTER

```

<%@page contentType="text/html" pageEncoding="UTF-8"%>
<!DOCTYPE html>
<html lang="en">

    <head>
        <!-- Required meta tags -->
        <meta charset="utf-8">
        <meta name="viewport" content="width=device-width, initial-scale=1, shrink-to-
fit=no">
        <title>Account Opening</title>
        <!-- plugins:css -->
        <link rel="stylesheet" href="vendors/feather/feather.css">
        <link rel="stylesheet" href="vendors/ti-icons/css/themify-icons.css">
        <link rel="stylesheet" href="vendors/css/vendor.bundle.base.css">
        <!-- endinject -->
        <!-- Plugin css for this page -->
        <!-- End plugin css for this page -->
        <!-- inject:css -->
        <link rel="stylesheet" href="css/vertical-layout-light/style.css">
        <!-- endinject -->
        <link rel="shortcut icon" href="images/favicon.png" />
    </head>

    <body>
        <nav class="navbar navbar-expand-lg navbar-dark navbar-custom fixed-top"
style="background-color: #00bfd8">
            <!-- Text Logo - Use this if you don't have a graphic logo -->
            <!-- <a class="navbar-brand logo-text page-scroll" href="index.html">Evolu</a> -->

            <!-- Image Logo -->

```

```

    <a class="navbar-brand logo-image" href="index.jsp" style="color: white">AES</a>
    <!-- Mobile Menu Toggle Button -->
    <button class="navbar-toggler" type="button" data-toggle="collapse" data-
target="#navbarsExampleDefault" aria-controls="navbarsExampleDefault" aria-
expanded="false" aria-label="Toggle navigation">
        <span class="navbar-toggler-awesome fas fa-bars"></span>
        <span class="navbar-toggler-awesome fas fa-times"></span>
    </button>
    <!-- end of mobile menu toggle button -->

    <div class="collapse navbar-collapse" id="navbarsExampleDefault">
        <ul class="navbar-nav ml-auto">
            <li class="nav-item">
                <a class="nav-link page-scroll" style="color: white"
href="index.jsp#header">Home <span class="sr-only">(current)</span></a>
            </li>
            <li class="nav-item">
                <a class="nav-link page-scroll" style="color: white"
href="index.jsp#services">Services</a>
            </li>
            <li class="nav-item">
                <a class="nav-link page-scroll" style="color: white" href="Login.jsp">Net
Banking</a>
            </li>
            <li class="nav-item">
                <a class="nav-link page-scroll" style="color: white"
href="admin.jsp">Admin</a>
            </li>
        </ul>
    </div>
</nav> <!-- end of navbar -->
<!-- end of navigation -->
<br> <br> <br>
<div class="col-12 grid-margin">
    <div class="card">
        <div class="card-body">
            <center><h4 class="card-title">Account Opening Form</h4></center>
            <form class="form-sample" action="accountcreate" method="post"
enctype="multipart/form-data">
                <p class="card-description">

```

```

<h4 class="card-title">Personal Info</h4>
</p>
<div class="row">
  <div class="col-md-6">
    <div class="form-group row">
      <label class="col-sm-3 col-form-label">First Name</label>
      <div class="col-sm-9">
        <input type="text" name="fname" class="form-control" required=""
autocomplete="off" />
      </div>
    </div>
  </div>
  <div class="col-md-6">
    <div class="form-group row">
      <label class="col-sm-3 col-form-label">Last Name</label>
      <div class="col-sm-9">
        <input type="text" name="lname" class="form-control"
required="" />
      </div>
    </div>
  </div>
</div>
<div class="row">
  <div class="col-md-6">
    <div class="form-group row">
      <label class="col-sm-3 col-form-label">Father Name</label>
      <div class="col-sm-9">
        <input type="text" name="father" class="form-control" required=""
/>
      </div>
    </div>
  </div>
  <div class="col-md-6">
    <div class="form-group row">
      <label class="col-sm-3 col-form-label">Mother Name</label>
      <div class="col-sm-9">
        <input type="text" name="mother" class="form-control" required=""
/>
      </div>
    </div>
  </div>
</div>

```

```

    </div>
</div>
<div class="row">
    <div class="col-md-6">
        <div class="form-group row">
            <label class="col-sm-3 col-form-label">Gender</label>
            <div class="col-sm-9">
                <select class="form-control" name="gender" required="">
                    <option value="Male">Male</option>
                    <option value="Female">Female</option>
                </select>
            </div>
        </div>
    </div>
    <div class="col-md-6">
        <div class="form-group row">
            <label class="col-sm-3 col-form-label">Date of Birth</label>
            <div class="col-sm-9">
                <input class="form-control" type="date" placeholder="dd/mm/yyyy"
name="dob" required="" />
            </div>
        </div>
    </div>
</div>
<div class="row">
    <div class="col-md-6">
        <div class="form-group row">
            <label class="col-sm-3 col-form-label">Account Type</label>
            <div class="col-sm-9">
                <select class="form-control" name="actype" required="">
                    <option value="Savings">Savings</option>
                    <option value="Current">Current</option>
                </select>
            </div>
        </div>
    </div>
    <div class="col-md-6">
        <div class="form-group row">
            <label class="col-sm-3 col-form-label">Photo</label>

```

```

        <div class="col-sm-9">
            <input class="form-control" type="file" name="dp" required="" />
        </div>
    </div>
</div>
<div class="row">
    <div class="col-md-6">
        <div class="form-group row">
            <label class="col-sm-3 col-form-label">Password</label>
            <div class="col-sm-9">
                <input type="password" name="pass" class="form-control"
required="" />
            </div>
        </div>
    </div>
    <div class="col-md-6">
        <div class="form-group row">
            <label class="col-sm-3 col-form-label">Confirm Password</label>
            <div class="col-sm-9">
                <input type="password" name="pass1" class="form-control"
required="" />
            </div>
        </div>
    </div>
</div>
<h4 class="card-title">KYC Details</h4>
<div class="row">
    <div class="col-md-6">
        <div class="form-group row">
            <label class="col-sm-3 col-form-label">PAN Card Number</label>
            <div class="col-sm-9">
                <input class="form-control" style="text-transform: uppercase;"
type="text" maxlength="10" name="pancardno" required="" />
            </div>
        </div>
    </div>
    <div class="col-md-6">
        <div class="form-group row">
            <label class="col-sm-3 col-form-label">Adhar Number</label>

```

```

        <div class="col-sm-9">
            <input class="form-control" type="number" maxlength="12"
name="adharno" required="" />
        </div>
    </div>
</div>
<div class="row">
    <div class="col-md-6">
        <div class="form-group row">
            <label class="col-sm-3 col-form-label">Mobile Number</label>
            <div class="col-sm-9">
                <input class="form-control" type="text" required="" maxlength="10"
name="mobile" />
            </div>
        </div>
    </div>
    <div class="col-md-6">
        <div class="form-group row">
            <label class="col-sm-3 col-form-label">Email Id</label>
            <div class="col-sm-9">
                <input class="form-control" type="email" name="mailid"
required="" id="email" onkeyup="check(this.value);"/><font color="red"><div
id="mydiv"></div></font>
            </div>
        </div>
    </div>
</div>
<h4 class="card-title">Address</h4>
<div class="row">
    <div class="col-md-6">
        <div class="form-group row">
            <label class="col-sm-3 col-form-label">Address 1</label>
            <div class="col-sm-9">
                <input type="text" class="form-control" name="add1" required="" />
            </div>
        </div>
    </div>
    <div class="col-md-6">
        <div class="form-group row">

```

```

        <label class="col-sm-3 col-form-label">State</label>
        <div class="col-sm-9">
            <input type="text" class="form-control" name="state" required="" />
        </div>
    </div>
</div>
<div class="row">
    <div class="col-md-6">
        <div class="form-group row">
            <label class="col-sm-3 col-form-label">Address 2</label>
            <div class="col-sm-9">
                <input type="text" class="form-control" name="add2" required="" />
            </div>
        </div>
    </div>
    <div class="col-md-6">
        <div class="form-group row">
            <label class="col-sm-3 col-form-label">Postcode</label>
            <div class="col-sm-9">
                <input type="text" class="form-control" name="postcode"
required="" />
            </div>
        </div>
    </div>
</div>
<div class="row">
    <div class="col-md-6">
        <div class="form-group row">
            <label class="col-sm-3 col-form-label">City</label>
            <div class="col-sm-9">
                <input type="text" class="form-control" name="city" required="" />
            </div>
        </div>
    </div>
    <div class="col-md-6">
        <div class="form-group row">
            <label class="col-sm-3 col-form-label">Country</label>
            <div class="col-sm-9">

```

```

        <select class="form-control" name="country" required="">
            <option value="India">India</option>
            <option value="America">America</option>
            <option value="Italy">Italy</option>
            <option value="Russia">Russia</option>
            <option value="Britain">Britain</option>
        </select>
    </div>
</div>
</div>
</div>
    <center> <button class="btn btn-group-lg btn-primary"
type="submit">Submit</button></center>
    </form>
</div>
</div>
</div>

```

```

<script type="text/javascript">
    function check(value) {
        xmlhttp = GetXmlHttpRequest()
        var url = "checkajax.jsp";
        url = url + "?mailid=" + value;
        xmlhttp.onreadystatechange = stateChanged
        xmlhttp.open("GET", url, true)
        xmlhttp.send(null)
    }
    function stateChanged() {
        if (xmlhttp.readyState == 4 || xmlhttp.readyState == "complete") {
            var showdata = xmlhttp.responseText;
            document.getElementById("mydiv").innerHTML = showdata;
        }
    }
    function GetXmlHttpRequest() {
        var xmlhttp = null;
        try {
            xmlhttp = new XMLHttpRequest();
        } catch (e) {
            try {

```

```

        xmlhttp = new ActiveXObject("Msxml2.XMLHTTP");
    } catch (e) {
        xmlhttp = new ActiveXObject("Microsoft.XMLHTTP");
    }
}
return xmlhttp;
}
</script>
<!-- container-scroller -->
<!-- plugins:js -->
<script src="vendors/js/vendor.bundle.base.js"></script>
<!-- endinject -->
<!-- Plugin js for this page -->
<!-- End plugin js for this page -->
<!-- inject:js -->
<script src="js/off-canvas.js"></script>
<script src="js/hoverable-collapse.js"></script>
<script src="js/template.js"></script>
<script src="js/settings.js"></script>
<script src="js/todolist.js"></script>
<!-- endinject -->
</body>

</html>

```

22-TRANSACTION

```

<%@page import="algorithm.AEScryptography"%>
<%@page import="java.sql.PreparedStatement"%>
<%@page import="java.sql.ResultSet"%>
<%@page import="java.util.Date"%>
<%@page import="java.text.SimpleDateFormat"%>
<%@page import="java.text.DateFormat"%>
<%@page import="Database.SQLconnection"%>
<%@page import="java.sql.Statement"%>
<%@page import="java.sql.Connection"%>
<%@page contentType="text/html" pageEncoding="UTF-8"%>
<%
    AEScryptography aes = new AEScryptography();

```

```

String uid = session.getAttribute("uid").toString();
String accno = request.getParameter("accno");
double money = Double.parseDouble(request.getParameter("money"));
String type = request.getParameter("type");
String pin = aes.encrypt(request.getParameter("pin"));

Connection con = null;
Statement st = null;
Statement st1 = null;
Connection conn = SQLconnection.getConnection();
Statement sto = conn.createStatement();
st = conn.createStatement();
DateFormat dateFormat = new SimpleDateFormat("yyyy/MM/dd HH:mm:ss");
Date date = new Date();
String time = dateFormat.format(date);
System.out.println("Date and Time : " + time);

try {
    ResultSet rs = st.executeQuery(" SELECT * from accdetails where uid = '" + uid + "' and
pin ='" + pin + "' ");
    System.out.println("test print==" + uid);
    if (rs.next()) {
        String name = rs.getString("name");
        String bal = aes.decrypt(rs.getString("balance"));
        double balance=Double.parseDouble(bal);
        double Tot = balance + money;
        String Total=aes.encrypt(String.valueOf(Tot));

        int i = sto.executeUpdate("update accdetails set balance='" + Total + "' where uid='" +
uid + "'");
        if (i != 0) {
            String sql = "insert into transactions(uid, accno,type,time, statuss,amount) values (?,
?, ?, ?, ?,?)";
            String statuss="Credit";
            PreparedStatement statement = conn.prepareStatement(sql);
            statement.setString(1, uid);
            statement.setString(2, aes.encrypt(accno));
            statement.setString(3, aes.encrypt(type));
            statement.setString(4, aes.encrypt(time));
            statement.setString(5, aes.encrypt(statuss));

```

```

        statement.setString(6, aes.encrypt(request.getParameter("money")));
        int f=statement.executeUpdate();
        System.out.println("success");
        System.out.println("success");
        response.sendRedirect("Deposits.jsp?success");
    } else {

        System.out.println("failed");
        response.sendRedirect("Deposits.jsp?Failed");
    }
}
else
{
    response.sendRedirect("Deposits.jsp?Pinfailed");
}
} catch (Exception ex) {
    ex.printStackTrace();
}
%>

```

23-UPDATE PIN

```

<%@page import="algorithm.AEScryptography"%>
<%@page import="java.sql.ResultSet"%>
<%@page import="java.util.Date"%>
<%@page import="java.text.SimpleDateFormat"%>
<%@page import="java.text.DateFormat"%>
<%@page import="Database.SQLconnection"%>
<%@page import="java.sql.Statement"%>
<%@page import="java.sql.Connection"%>
<%@page contentType="text/html" pageEncoding="UTF-8"%>
<%

```

```

    AEScryptography aes = new AEScryptography();
    String uid = session.getAttribute("uid").toString();
    System.out.println("uid-- "+uid);
    String pinplain = request.getParameter("pin");
    System.out.println("pin-- "+pinplain);
    String pin = aes.encrypt(pinplain);

```

```

Connection con = null;
Statement st = null;
Statement st1 = null;
Connection conn = SQLconnection.getConnection();
Statement sto = conn.createStatement();
st = conn.createStatement();
DateFormat dateFormat = new SimpleDateFormat("yyyy/MM/dd HH:mm:ss");
Date date = new Date();
String time = dateFormat.format(date);
System.out.println("Date and Time : " + time);

try {
    int i = sto.executeUpdate("update accdetails set pin='"+pin+"' where uid='"+ uid + "'");
    System.out.println("test print==" + uid);
    if (i != 0) {
        response.sendRedirect("Profile.jsp?Changed");
    } else {

        System.out.println("failed");
        response.sendRedirect("Profile.jsp?Failed");
    }
} catch (Exception ex) {
    ex.printStackTrace();
}
%>

```

24- USER PIC

```

<%@page import="Database.SQLconnection"%>
<%@page contentType="text/html" pageEncoding="UTF-8"%>
<%@page import="java.sql.SQLException"%>
<%@page import="java.sql.DriverManager"%>
<%@page import="java.sql.ResultSet"%>
<%@page import="java.sql.Statement"%>
<%@page import="java.sql.Blob"%>

```

```

<%@page import="java.sql.Connection"%>
<%@ page import="java.sql.*"%>
<%@ page import="java.io.*"%>

<%
    Blob image = null;

    byte[] imgData = null;
    Statement stmt = null;
    Connection con=null;
    ResultSet rs = null;
    String id = request.getParameter("uid");
    try {
        con =SQLconnection.getConnection();
        stmt = con.createStatement();
        rs = stmt.executeQuery("select dp from usercreate where id = '" + id + "'");
        if (rs.next()) {
            image = rs.getBlob(1);
            imgData = image.getBytes(1, (int) image.length());
        } else {
            out.println("Display Blob Example");
            out.println("image not found for given image");
            return;
        }
        response.setContentType("image/gif");
        OutputStream o = response.getOutputStream();
        o.write(imgData);
        o.flush();
        o.close();
    } catch (Exception e) {
        out.println("Unable To Display image");
        out.println("Image Display Error=" + e.getMessage());
        return;
    } finally {
        try {
            rs.close();
            stmt.close();
            con.close();
        } catch (SQLException e) {

```

```

        e.printStackTrace();
    }
}
%>

```

25-WITHDRAW ACC

```

<%@page import="java.sql.PreparedStatement"%>
<%@page import="java.sql.ResultSet"%>
<%@page import="java.util.Date"%>
<%@page import="java.text.SimpleDateFormat"%>
<%@page import="java.text.DateFormat"%>
<%@page import="Database.SQLconnection"%>
<%@page import="java.sql.Statement"%>
<%@page import="java.sql.Connection"%>
<%@page import="algorithm.AEScryptography"%>
<%@page contentType="text/html" pageEncoding="UTF-8"%>
<%
    AEScryptography aes = new AEScryptography();
    String uid = session.getAttribute("uid").toString();
    String accno = request.getParameter("accno");
    double money = Double.parseDouble(request.getParameter("money"));
    String type = request.getParameter("type");
    String pin = aes.encrypt(request.getParameter("pin"));

    Connection con = null;
    Statement st = null;
    Statement st1 = null;
    Connection conn = SQLconnection.getconnection();
    Statement sto = conn.createStatement();
    st = conn.createStatement();
    DateFormat dateFormat = new SimpleDateFormat("yyyy/MM/dd HH:mm:ss");
    Date date = new Date();
    String time = dateFormat.format(date);
    System.out.println("Date and Time : " + time);

    try {
        ResultSet rs = st.executeQuery(" SELECT * from accdetails where uid = '" + uid + "' and
pin = '"+pin+"' ");

```

```

System.out.println("test print==" + uid);
if (rs.next()) {
    String name = rs.getString("name");
    String bal = aes.decrypt(rs.getString("balance"));
    double balance=Double.parseDouble(bal);
    if(balance < money)
    {
        response.sendRedirect("Withdraw.jsp?insufficient");
    }
    else
    {
        double Tot = balance - money;
        String Total=aes.encrypt(String.valueOf(Tot));

        int i = sto.executeUpdate("update accdetails set balance=" + Total + " where uid=" + uid + "");
        if (i != 0) {
            String sql = "insert into transactions(uid, accno,type,time, statuss,amount) values (?, ?, ?, ?, ?,?)";
            String statuss="Debit";
            PreparedStatement statement = conn.prepareStatement(sql);
            statement.setString(1, uid);
            statement.setString(2, aes.encrypt(accno));
            statement.setString(3, aes.encrypt(type));
            statement.setString(4, aes.encrypt(time));
            statement.setString(5, aes.encrypt(statuss));
            statement.setString(6, aes.encrypt(request.getParameter("money")));
            int f=statement.executeUpdate();
            System.out.println("success");
            System.out.println("success");
            response.sendRedirect("Withdraw.jsp?success");
        } else {

            System.out.println("failed");
            response.sendRedirect("Withdraw.jsp?Failed");
        }
    }
}
else

```

```

        {
            response.sendRedirect("Withdraw.jsp?Pinfailed");
        }
    } catch (Exception ex) {
        ex.printStackTrace();
    }
}
%>

```

26- SQL CONNNECTION – DATABASE

```

package Database;
import java.sql.Connection;
import java.sql.DriverManager;

```

```

public class SQLconnection {

```

```

    static Connection con;

```

```

    /**
     *
     * @return
     */
    public static Connection getconnection() {
        try {
            Class.forName("com.mysql.jdbc.Driver");
            con = DriverManager.getConnection("jdbc:mysql://localhost:3306/netbankcrypt",
"root", "root");
        } catch (Exception e) {
        }
        return con;
    }
}

```

27- NETBANK – ACTIVATE ACC

```

/*
 * To change this license header, choose License Headers in Project Properties.
 * To change this template file, choose Tools | Templates

```

* and open the template in the editor.

*/

```
package NetBank;
```

```
import Database.SQLconnection;
import algorithm.AEScryptography;
import java.io.IOException;
import java.io.PrintWriter;
import java.security.SecureRandom;
import java.sql.Connection;
import java.sql.PreparedStatement;
import java.sql.ResultSet;
import java.sql.SQLException;
import java.sql.Statement;
import java.text.DateFormat;
import java.text.SimpleDateFormat;
import java.util.Date;
import java.util.Random;
import java.util.logging.Level;
import java.util.logging.Logger;
import javax.servlet.ServletException;
import javax.servlet.http.HttpServlet;
import javax.servlet.http.HttpServletRequest;
import javax.servlet.http.HttpServletResponse;
```

```
public class Activateacc extends HttpServlet {
```

```
    /**
```

```
    * Processes requests for both HTTP <code>GET</code> and <code>POST</code>
    * methods.
```

```
    *
```

```
    * @param request servlet request
```

```
    * @param response servlet response
```

```
    * @throws ServletException if a servlet-specific error occurs
```

```
    * @throws IOException if an I/O error occurs
```

```
    */
```

```
    protected void processRequest(HttpServletRequest request, HttpServletResponse response)
        throws ServletException, IOException, SQLException {
```

```

response.setContentType("text/html;charset=UTF-8");
try (PrintWriter out = response.getWriter()) {
    /* TODO output your page here. You may use following sample code. */
    String uid = request.getParameter("id");

    AESScryptography aes = new AESScryptography();
    Connection con = null;
    Statement st = null;
    Statement st1 = null;
    Connection conn = SQLconnection.getconnection();
    Statement sto = conn.createStatement();
    st = conn.createStatement();

    try {
        int i = sto.executeUpdate("update usercreate set status='Active' where id='" + uid +
        """);
        System.out.println("test print==" + uid);
        if (i != 0) {
            ResultSet rs = st.executeQuery(" SELECT * from usercreate where id = '" + uid +
            "" ");
            if (rs.next()) {
                String name = aes.decrypt(rs.getString("name"));
                Random RANDOM = new SecureRandom();
                int ACCCNO = 10;
                String letters = "123456789";
                String num = "";
                for (int k = 0; k < ACCCNO; k++) {
                    int index = (int) (RANDOM.nextDouble() * letters.length());
                    num += letters.substring(index, index + 1);
                }
                String accno = "3" + num;
                String statuss = "Active";
                DateFormat dateFormat = new SimpleDateFormat("yyyy/MM/dd HH:mm:ss");
                Date date = new Date();
                String time = dateFormat.format(date);
                Random PINNO = new SecureRandom();
                int PNO = 4;
                String letters1 = "123456789";
                String code = "";
                for (int k = 0; k < PNO; k++) {

```

```

        int index = (int) (PINNO.nextDouble() * letters1.length());
        code += letters1.substring(index, index + 1);
    }
    String pin = code;
    System.out.println("current Date " + time);

    String sql = "insert into accdetails(uid, accno, name, statuss, time, pin) values
(?, ?, ?, ?, ?, ?)";
    PreparedStatement statement = conn.prepareStatement(sql);
    statement.setString(1, uid);
    statement.setString(2, aes.encrypt(accno));
    statement.setString(3, aes.encrypt(name));
    statement.setString(4, statuss);
    statement.setString(5, aes.encrypt(time));
    statement.setString(6, aes.encrypt(pin));
    int f=statement.executeUpdate();
    response.sendRedirect("ActiveUsers.jsp?Granted");
} else {

    System.out.println("failed");
    response.sendRedirect("ActiveUsers.jsp?Failed");
}
}
} catch (Exception ex) {
    ex.printStackTrace();
}
}
}

// <editor-fold defaultstate="collapsed" desc="HttpServlet methods. Click on the + sign on
the left to edit the code.">
/**
 * Handles the HTTP <code>GET</code> method.
 *
 * @param request servlet request
 * @param response servlet response
 * @throws ServletException if a servlet-specific error occurs
 * @throws IOException if an I/O error occurs
 */

```

```

@Override
protected void doGet(HttpServletRequest request, HttpServletResponse response)
    throws ServletException, IOException {
    try {
        processRequest(request, response);
    } catch (SQLException ex) {
        Logger.getLogger(Activateacc.class.getName()).log(Level.SEVERE, null, ex);
    }
}

/**
 * Handles the HTTP <code>POST</code> method.
 *
 * @param request servlet request
 * @param response servlet response
 * @throws ServletException if a servlet-specific error occurs
 * @throws IOException if an I/O error occurs
 */
@Override
protected void doPost(HttpServletRequest request, HttpServletResponse response)
    throws ServletException, IOException {
    try {
        processRequest(request, response);
    } catch (SQLException ex) {
        Logger.getLogger(Activateacc.class.getName()).log(Level.SEVERE, null, ex);
    }
}

/**
 * Returns a short description of the servlet.
 *
 * @return a String containing servlet description
 */
@Override
public String getServletInfo() {
    return "Short description";
} // </editor-fold>
}

```

28-ULOG

```
/*
 * To change this license header, choose License Headers in Project Properties.
 * To change this template file, choose Tools | Templates
 * and open the template in the editor.
 */
package NetBank;

import Database.SQLconnection;
import algorithm.AEScryptography;
import java.io.IOException;
import java.io.PrintWriter;
import java.sql.Connection;
import java.sql.ResultSet;
import java.sql.SQLException;
import java.sql.Statement;
import java.text.DateFormat;
import java.text.SimpleDateFormat;
import java.util.Date;
import java.util.logging.Level;
import java.util.logging.Logger;
import javax.servlet.ServletException;
import javax.servlet.http.HttpServlet;
import javax.servlet.http.HttpServletRequest;
import javax.servlet.http.HttpServletResponse;
import javax.servlet.http.HttpSession;

public class Ulog extends HttpServlet {

    /**
     * Processes requests for both HTTP GET and POST
     * methods.
     *
     * @param request servlet request
     * @param response servlet response
     * @throws ServletException if a servlet-specific error occurs
     * @throws IOException if an I/O error occurs
     */
}
```

```

protected void processRequest(HttpServletRequest request, HttpServletResponse response)
    throws ServletException, IOException, SQLException {
    response.setContentType("text/html;charset=UTF-8");
    try (PrintWriter out = response.getWriter()) {
        AEScryptography aes = new AEScryptography();
        HttpSession session = request.getSession();
        String user_id = request.getParameter("email");
        String password = request.getParameter("password");
        String status = null;
        System.out.println("Check User ID And Password : " + user_id + password);
        Connection con = SQLconnection.getconnection();
        Statement st = con.createStatement();
        Statement st1 = con.createStatement();
        Statement sto = con.createStatement();
        DateFormat dateFormat = new SimpleDateFormat("yyyy/MM/dd HH:mm:ss");
        Date date = new Date();
        String t = dateFormat.format(date);
        String time = AEScryptography.encrypt(t);
        String user = AEScryptography.encrypt(user_id);
        String pass = AEScryptography.encrypt(password);
        try {
            ResultSet rs1 = st1.executeQuery("SELECT * FROM usercreate where mailid='" +
user + "' AND pass='" + pass + "'");
            System.out.println("Check 1 Pass");
            if (rs1.next()) {
                ResultSet rs = st.executeQuery("SELECT * FROM usercreate where mailid='" +
user + "' AND pass='" + pass + "' AND status='Active' ");
                if (rs.next()) {
                    System.out.println("Check 2 Pass");
                    session.setAttribute("uid", rs.getString("id"));

                    int i = sto.executeUpdate("update usercreate set lastlog='" + time + "' where
mailid = '" + user + "'");

                    response.sendRedirect("UserHome.jsp?Success");
                } else {
                    response.sendRedirect("Login.jsp?not");
                }
            } else {

```

```

        response.sendRedirect("Login.jsp?Authentication_Failed");
    }

    } catch (Exception ex) {
        ex.printStackTrace();
    }
}

// <editor-fold defaultstate="collapsed" desc="HttpServlet methods. Click on the + sign on
the left to edit the code.">
/**
 * Handles the HTTP <code>GET</code> method.
 *
 * @param request servlet request
 * @param response servlet response
 * @throws ServletException if a servlet-specific error occurs
 * @throws IOException if an I/O error occurs
 */
@Override
protected void doGet(HttpServletRequest request, HttpServletResponse response)
    throws ServletException, IOException {
    try {
        processRequest(request, response);
    } catch (SQLException ex) {
        Logger.getLogger(Ulog.class.getName()).log(Level.SEVERE, null, ex);
    }
}

/**
 * Handles the HTTP <code>POST</code> method.
 *
 * @param request servlet request
 * @param response servlet response
 * @throws ServletException if a servlet-specific error occurs
 * @throws IOException if an I/O error occurs
 */
@Override
protected void doPost(HttpServletRequest request, HttpServletResponse response)

```

```

        throws ServletException, IOException {
    try {
        processRequest(request, response);
    } catch (SQLException ex) {
        Logger.getLogger(Ulog.class.getName()).log(Level.SEVERE, null, ex);
    }
}

/**
 * Returns a short description of the servlet.
 *
 * @return a String containing servlet description
 */
@Override
public String getServletInfo() {
    return "Short description";
} // </editor-fold>

}

```

29-ACC CREATE

```

/*
 * To change this license header, choose License Headers in Project Properties.
 * To change this template file, choose Tools | Templates
 * and open the template in the editor.
 */
package NetBank;

import Database.SQLconnection;
import algorithm.AEScryptography;
import java.io.IOException;
import java.io.InputStream;
import java.io.PrintWriter;
import java.sql.Connection;
import java.sql.DriverManager;
import java.sql.PreparedStatement;
import java.sql.ResultSet;
import java.sql.SQLException;
import java.sql.Statement;

```

```

import java.text.DateFormat;
import java.text.SimpleDateFormat;
import java.util.Date;
import java.util.logging.Level;
import java.util.logging.Logger;
import javax.servlet.ServletException;
import javax.servlet.annotation.MultipartConfig;
import javax.servlet.http.HttpServlet;
import javax.servlet.http.HttpServletRequest;
import javax.servlet.http.HttpServletResponse;
import javax.servlet.http.HttpSession;
import javax.servlet.http.Part;

```

```

@MultipartConfig(maxFileSize = 16177215)
public class accountcreate extends HttpServlet {

```

```

    /**
     * Processes requests for both HTTP GET and POST
     * methods.
     *
     * @param request servlet request
     * @param response servlet response
     * @throws ServletException if a servlet-specific error occurs
     * @throws IOException if an I/O error occurs
     */
    protected void processRequest(HttpServletRequest request, HttpServletResponse response)
        throws ServletException, IOException, SQLException {
        response.setContentType("text/html;charset=UTF-8");
        try (PrintWriter out = response.getWriter()) {
            /* TODO output your page here. You may use following sample code. */
            HttpSession session = request.getSession(true);
            AEsryptography aes = new AEsryptography();

            String fname = request.getParameter("fname");
            String lname = request.getParameter("lname");
            String name = aes.encrypt(fname + " " + lname);
            String father = aes.encrypt(request.getParameter("father"));
            String mother = aes.encrypt(request.getParameter("mother"));

```

```

String gender = aes.encrypt(request.getParameter("gender"));
String dob = aes.encrypt(request.getParameter("dob"));
String actype = aes.encrypt(request.getParameter("actype"));
String pass = aes.encrypt(request.getParameter("pass"));
String pancardno = aes.encrypt(request.getParameter("pancardno"));
String adharno = aes.encrypt(request.getParameter("adharno"));
String mobile = aes.encrypt(request.getParameter("mobile"));
String mailid = aes.encrypt(request.getParameter("mailid"));
String add1 = request.getParameter("add1");
String add2 = request.getParameter("add2");
String state = aes.encrypt(request.getParameter("state"));
String address = aes.encrypt(add1 + ",\n" + add2);
String postcode = aes.encrypt(request.getParameter("postcode"));
String city = aes.encrypt(request.getParameter("city"));
String country = aes.encrypt(request.getParameter("country"));
DateFormat dateFormat = new SimpleDateFormat("yyyy/MM/dd HH:mm:ss");
Date date = new Date();
String t = dateFormat.format(date);
String time = AESScryptography.encrypt(t);

System.out.println("name" + name + "city" + city + "postcode" + postcode + "address"
+ address + "dob" + dob + "country" + country);
InputStream inputStream = null;
Part filePart = request.getPart("dp");
if (filePart != null) {
    System.out.println(filePart.getName());
    System.out.println(filePart.getSize());
    System.out.println(filePart.getContentType());
    inputStream = filePart.getInputStream();
}
Connection conn = SQLconnection.getconnection();
Connection con = SQLconnection.getconnection();
Statement st = con.createStatement();
String statuss = "Waiting";
try {
    ResultSet rs = st.executeQuery("select * from usercreate where mailid='" + mailid +
""");
    int count = 0;
    while (rs.next()) {

```

```

        count++;
    }
    if (count > 0) {
        response.sendRedirect("Login.jsp?mailid");
    } else {

```

```

        String sql = "insert into usercreate(name, father, mother, gender, dob, actype, dp,
pancardno, adharno, mobile, mailid, address, state, postcode, city, country, status, time, pass)
values (?, ?, ?, ?, ?, ?, ?, ?, ?, ?, ?, ?, ?, ?, ?, ?, ?, ?)";

```

```

        PreparedStatement statement = conn.prepareStatement(sql);
        statement.setString(1, name);
        statement.setString(2, father);
        statement.setString(3, mother);
        statement.setString(4, gender);
        statement.setString(5, dob);
        statement.setString(6, actype);

```

```

        if (inputStream != null) {
            statement.setBlob(7, inputStream);
        }
        statement.setString(8, pancardno);
        statement.setString(9, adharno);
        statement.setString(10, mobile);
        statement.setString(11, mailid);
        statement.setString(12, address);
        statement.setString(13, state);
        statement.setString(14, postcode);
        statement.setString(15, city);
        statement.setString(16, country);
        statement.setString(17, status);
        statement.setString(18, time);
        statement.setString(19, pass);

```

```

        int row = statement.executeUpdate();
        if (row > 0) {

            response.sendRedirect("Login.jsp?Success");
        } else {
            response.sendRedirect("Login.jsp?Failed");

```

```

        }
    }
    } catch (SQLException ex) {
        ex.printStackTrace();
    }
}
}

```

// <editor-fold defaultstate="collapsed" desc="HttpServlet methods. Click on the + sign on the left to edit the code.">

```

/**
 * Handles the HTTP <code>GET</code> method.
 *
 * @param request servlet request
 * @param response servlet response
 * @throws ServletException if a servlet-specific error occurs
 * @throws IOException if an I/O error occurs
 */
@Override
protected void doGet(HttpServletRequest request, HttpServletResponse response)
    throws ServletException, IOException {
    try {
        processRequest(request, response);
    } catch (SQLException ex) {
        Logger.getLogger(accountcreate.class.getName()).log(Level.SEVERE, null, ex);
    }
}

```

```

/**
 * Handles the HTTP <code>POST</code> method.
 *
 * @param request servlet request
 * @param response servlet response
 * @throws ServletException if a servlet-specific error occurs
 * @throws IOException if an I/O error occurs
 */
@Override
protected void doPost(HttpServletRequest request, HttpServletResponse response)
    throws ServletException, IOException {

```

```

    try {
        processRequest(request, response);
    } catch (SQLException ex) {
        Logger.getLogger(accountcreate.class.getName()).log(Level.SEVERE, null, ex);
    }
}

/**
 * Returns a short description of the servlet.
 *
 * @return a String containing servlet description
 */
@Override
public String getServletInfo() {
    return "Short description";
} // </editor-fold>

}

```

30-ADMIN LOG

```

/*
 * To change this license header, choose License Headers in Project Properties.
 * To change this template file, choose Tools | Templates
 * and open the template in the editor.
 */
package NetBank;

import java.io.IOException;
import java.io.PrintWriter;
import javax.servlet.ServletException;
import javax.servlet.http.HttpServlet;
import javax.servlet.http.HttpServletRequest;
import javax.servlet.http.HttpServletResponse;

public class adminlog extends HttpServlet {

    /**
     * Processes requests for both HTTP <code>GET</code> and <code>POST</code>

```

```

* methods.
*
* @param request servlet request
* @param response servlet response
* @throws ServletException if a servlet-specific error occurs
* @throws IOException if an I/O error occurs
*/
protected void processRequest(HttpServletRequest request, HttpServletResponse response)
    throws ServletException, IOException {
    response.setContentType("text/html;charset=UTF-8");
    try (PrintWriter out = response.getWriter()) {
        /* TODO output your page here. You may use following sample code. */
        try {
            String name = request.getParameter("name");
            String pass = request.getParameter("pass");

            System.out.println("=====
=====");
            if (name.equals("Administrator") && pass.equals("Administrator")) {
                response.sendRedirect("Admin_home.jsp?success");
            } else {
                response.sendRedirect("admin.jsp?failed");
            }
        } catch (Exception ex) {
        }
    }
}

// <editor-fold defaultstate="collapsed" desc="HttpServlet methods. Click on the + sign on
the left to edit the code.">
/**
 * Handles the HTTP <code>GET</code> method.
 *
 * @param request servlet request
 * @param response servlet response
 * @throws ServletException if a servlet-specific error occurs
 * @throws IOException if an I/O error occurs
 */
@Override
protected void doGet(HttpServletRequest request, HttpServletResponse response)

```

```

        throws ServletException, IOException {
    processRequest(request, response);
}

/**
 * Handles the HTTP <code>POST</code> method.
 *
 * @param request servlet request
 * @param response servlet response
 * @throws ServletException if a servlet-specific error occurs
 * @throws IOException if an I/O error occurs
 */
@Override
protected void doPost(HttpServletRequest request, HttpServletResponse response)
    throws ServletException, IOException {
    processRequest(request, response);
}

/**
 * Returns a short description of the servlet.
 *
 * @return a String containing servlet description
 */
@Override
public String getServletInfo() {
    return "Short description";
} // </editor-fold>

}

```

31- COMPLAINTS

```

/*
 * To change this license header, choose License Headers in Project Properties.
 * To change this template file, choose Tools | Templates
 * and open the template in the editor.
 */
package NetBank;

import Database.SQLconnection;

```

```

import algorithm.AEScryptography;
import java.io.IOException;
import java.io.PrintWriter;
import java.sql.Connection;
import java.sql.PreparedStatement;
import java.sql.ResultSet;
import java.sql.SQLException;
import java.sql.Statement;
import java.text.DateFormat;
import java.text.SimpleDateFormat;
import java.util.Date;
import java.util.logging.Level;
import java.util.logging.Logger;
import javax.servlet.ServletException;
import javax.servlet.http.HttpServlet;
import javax.servlet.http.HttpServletRequest;
import javax.servlet.http.HttpServletResponse;

```

```

public class complaints extends HttpServlet {

```

```

    /**
     * Processes requests for both HTTP <code>GET</code> and <code>POST</code>
     * methods.
     *
     * @param request servlet request
     * @param response servlet response
     * @throws ServletException if a servlet-specific error occurs
     * @throws IOException if an I/O error occurs
     */
    protected void processRequest(HttpServletRequest request, HttpServletResponse response)
        throws ServletException, IOException, SQLException {
        response.setContentType("text/html;charset=UTF-8");
        try (PrintWriter out = response.getWriter()) {
            /* TODO output your page here. You may use following sample code. */

            String uid = request.getParameter("id");
            String com = request.getParameter("com");

```

```

        DateFormat dateFormat = new SimpleDateFormat("yyyy/MM/dd HH:mm:ss");
        Date date = new Date();
        String time = dateFormat.format(date);
        System.out.println("Date and Time : " + time);

        AESScryptography aes = new AESScryptography();
        Connection conn = SQLconnection.getConnection();
        Statement st = conn.createStatement();

        try {

            ResultSet rs = st.executeQuery(" SELECT * from usercreate where id = '" + uid + "'
");
            if (rs.next()) {
                String name = rs.getString("name");
                String mailid = rs.getString("mailid");

                String sql = "insert into complaints(uid, name,mailid,comp, time) values (?, ?, ?,
?,?)";

                PreparedStatement statement = conn.prepareStatement(sql);
                statement.setString(1, uid);
                statement.setString(2, name);
                statement.setString(3, mailid);
                statement.setString(4, aes.encrypt(com));
                statement.setString(5, aes.encrypt(time));
                int f = statement.executeUpdate();
                response.sendRedirect("Complaints.jsp?Success");
            } else {

                System.out.println("failed");
                response.sendRedirect("Complaints.jsp?Failed");
            }

        } catch (Exception ex) {
            ex.printStackTrace();
        }
    }
}

```

// <editor-fold defaultstate="collapsed" desc="HttpServlet methods. Click on the + sign on

the left to edit the code.">

```
/**
 * Handles the HTTP <code>GET</code> method.
 *
 * @param request servlet request
 * @param response servlet response
 * @throws ServletException if a servlet-specific error occurs
 * @throws IOException if an I/O error occurs
 */
@Override
protected void doGet(HttpServletRequest request, HttpServletResponse response)
    throws ServletException, IOException {
    try {
        processRequest(request, response);
    } catch (SQLException ex) {
        Logger.getLogger(complaints.class.getName()).log(Level.SEVERE, null, ex);
    }
}

/**
 * Handles the HTTP <code>POST</code> method.
 *
 * @param request servlet request
 * @param response servlet response
 * @throws ServletException if a servlet-specific error occurs
 * @throws IOException if an I/O error occurs
 */
@Override
protected void doPost(HttpServletRequest request, HttpServletResponse response)
    throws ServletException, IOException {
    try {
        processRequest(request, response);
    } catch (SQLException ex) {
        Logger.getLogger(complaints.class.getName()).log(Level.SEVERE, null, ex);
    }
}

/**
 * Returns a short description of the servlet.
```

```

    *
    * @return a String containing servlet description
    */
    @Override
    public String getServletInfo() {
        return "Short description";
    } // </editor-fold>

}

```

32- REJECTED ACC

```

/*
 * To change this license header, choose License Headers in Project Properties.
 * To change this template file, choose Tools | Templates
 * and open the template in the editor.
 */
package NetBank;

import Database.SQLconnection;
import algorithm.AEScryptography;
import java.io.IOException;
import java.io.PrintWriter;
import java.security.SecureRandom;
import java.sql.Connection;
import java.sql.PreparedStatement;
import java.sql.ResultSet;
import java.sql.SQLException;
import java.sql.Statement;
import java.text.DateFormat;
import java.text.SimpleDateFormat;
import java.util.Date;
import java.util.Random;
import java.util.logging.Level;
import java.util.logging.Logger;
import javax.servlet.ServletException;
import javax.servlet.http.HttpServlet;
import javax.servlet.http.HttpServletRequest;
import javax.servlet.http.HttpServletResponse;

```

```

public class rejectacc extends HttpServlet {

    /**
     * Processes requests for both HTTP <code>GET</code> and <code>POST</code>
     * methods.
     *
     * @param request servlet request
     * @param response servlet response
     * @throws ServletException if a servlet-specific error occurs
     * @throws IOException if an I/O error occurs
     */
    protected void processRequest(HttpServletRequest request, HttpServletResponse response)
        throws ServletException, IOException, SQLException {
        response.setContentType("text/html;charset=UTF-8");
        try (PrintWriter out = response.getWriter()) {
            String uid = request.getParameter("id");

            AEScryptography aes = new AEScryptography();
            Connection con = null;
            Statement st = null;
            Statement st1 = null;
            Connection conn = SQLconnection.getconnection();
            Statement sto = conn.createStatement();
            st = conn.createStatement();

            try {
                int i = sto.executeUpdate("update usercreate set status='Reject' where id='" + uid +
                """);
                System.out.println("test print==" + uid);
                if (i != 0) {
                    ResultSet rs = st.executeQuery(" SELECT * from usercreate where id = '" + uid +
                    "" ");
                    if (rs.next()) {

                        response.sendRedirect("Rejected.jsp?Rejected");
                    } else {

                        System.out.println("failed");
                        response.sendRedirect("ActiveUsers.jsp?Failed");
                    }
                }
            }
        }
    }
}

```

```

        }
    }
    } catch (Exception ex) {
        ex.printStackTrace();
    }
}
}

```

// <editor-fold defaultstate="collapsed" desc="HttpServlet methods. Click on the + sign on the left to edit the code.">

```

/**
 * Handles the HTTP <code>GET</code> method.
 *
 * @param request servlet request
 * @param response servlet response
 * @throws ServletException if a servlet-specific error occurs
 * @throws IOException if an I/O error occurs
 */
@Override
protected void doGet(HttpServletRequest request, HttpServletResponse response)
    throws ServletException, IOException {
    try {
        processRequest(request, response);
    } catch (SQLException ex) {
        Logger.getLogger(rejectacc.class.getName()).log(Level.SEVERE, null, ex);
    }
}

```

```

/**
 * Handles the HTTP <code>POST</code> method.
 *
 * @param request servlet request
 * @param response servlet response
 * @throws ServletException if a servlet-specific error occurs
 * @throws IOException if an I/O error occurs
 */
@Override
protected void doPost(HttpServletRequest request, HttpServletResponse response)
    throws ServletException, IOException {

```

```

        try {
            processRequest(request, response);
        } catch (SQLException ex) {
            Logger.getLogger(rejectacc.class.getName()).log(Level.SEVERE, null, ex);
        }
    }

    /**
     * Returns a short description of the servlet.
     *
     * @return a String containing servlet description
     */
    @Override
    public String getServletInfo() {
        return "Short description";
    } // </editor-fold>

}

```

33- TRANSFER

```

/*
 * To change this license header, choose License Headers in Project Properties.
 * To change this template file, choose Tools | Templates
 * and open the template in the editor.
 */
package NetBank;

import Database.SQLconnection;
import algorithm.AEScryptography;
import java.io.IOException;
import java.io.PrintWriter;
import java.sql.Connection;
import java.sql.PreparedStatement;
import java.sql.ResultSet;
import java.sql.SQLException;
import java.sql.Statement;
import java.text.DateFormat;
import java.text.SimpleDateFormat;
import java.util.Date;

```

```

import java.util.logging.Level;
import java.util.logging.Logger;
import javax.servlet.ServletException;
import javax.servlet.http.HttpServlet;
import javax.servlet.http.HttpServletRequest;
import javax.servlet.http.HttpServletResponse;
import javax.servlet.http.HttpSession;

public class transfer extends HttpServlet {

    /**
     * Processes requests for both HTTP <code>GET</code> and <code>POST</code>
     * methods.
     *
     * @param request servlet request
     * @param response servlet response
     * @throws ServletException if a servlet-specific error occurs
     * @throws IOException if an I/O error occurs
     */
    protected void processRequest(HttpServletRequest request, HttpServletResponse response)
        throws ServletException, IOException, SQLException {
        response.setContentType("text/html;charset=UTF-8");
        try (PrintWriter out = response.getWriter()) {
            HttpSession session = request.getSession(true);
            /* TODO output your page here. You may use following sample code. */
            AESScryptography aes = new AESScryptography();
            String uid = session.getAttribute("uid").toString();
            String accno = aes.encrypt(request.getParameter("accno"));
            String toaccno = aes.encrypt(request.getParameter("toaccno"));
            double money = Double.parseDouble(request.getParameter("money"));
            String type = request.getParameter("type");
            String pin = aes.encrypt(request.getParameter("pin"));
            System.out.println("Pin Pass" + pin + "\n" + type + "\n" + money + "\n" + toaccno +
                "\n" + accno + "\n" + uid);

            Connection con = null;
            Statement st = null;

```

```

Connection conn = SQLconnection.getconnection();
Statement sto = conn.createStatement();
Statement st1 = conn.createStatement();
Statement st2 = conn.createStatement();

DateFormat dateFormat = new SimpleDateFormat("yyyy/MM/dd HH:mm:ss");
Date date = new Date();
String time = dateFormat.format(date);
System.out.println("Date and Time : " + time);

try {
    con = SQLconnection.getconnection();
    st = con.createStatement();
    ResultSet rs = st.executeQuery("SELECT * from accdetails where uid = '" + uid + "'
and pin = '" + pin + "'");

    //pincheck
    if (rs.next()) {
        System.out.println("Pin Pass");
        String name = rs.getString("name");
        String bal = aes.decrypt(rs.getString("balance"));
        double balance = Double.parseDouble(bal);

        //Balance check
        if (balance < money) {
            System.out.println("Insufficient");
            response.sendRedirect("Withdraw.jsp?insufficient");
        } //Balance check
        else {
            System.out.println("Accno Check");

            String query = "SELECT * from accdetails where accno='" + toaccno + "'";
            System.out.println("Accno Check SQL " + query);
            ResultSet rs1 = st1.executeQuery(query);
            System.out.println("Accno Check SQL " + query);
            System.out.println("Accno Check RS1 " + rs1);
            System.out.println("Accno Check " + toaccno);
            // Account No check
            if (rs1.next() == true) {

```

```

        String query1 = "SELECT * from accdetails where accno=" + toaccno + "
AND uid=" + uid + """;
        System.out.println("Accno Check SQL " + query1);
        ResultSet rs2 = st2.executeQuery(query1);
        System.out.println("Accno Check SQL " + query1);
        if (rs2.next() == false) {
            System.out.println("Accno Check pass");
            String toname = rs1.getString("name");
            String tobal1 = aes.decrypt(rs1.getString("balance"));
            double tobalance1 = Double.parseDouble(tobal1);
            double toTot1 = tobalance1 + money;
            String toTotal1 = aes.encrypt(String.valueOf(toTot1));

            double Tot = balance - money;
            String Total = aes.encrypt(String.valueOf(Tot));
            int k = sto.executeUpdate("update accdetails set balance=" + Total + "
where accno=" + accno + """);
            int i = sto.executeUpdate("update accdetails set balance=" + toTotal1 + "
where accno=" + toaccno + """);
            if (i != 0) {
                String sql = "insert into transactions(uid, accno,type,time,
statuss,amount,toaccount,toname) values (?, ?, ?, ?, ?,?,?,?)";
                String statuss = "Success";
                PreparedStatement statement = conn.prepareStatement(sql);
                statement.setString(1, uid);
                statement.setString(2, accno);
                statement.setString(3, aes.encrypt(type));
                statement.setString(4, aes.encrypt(time));
                statement.setString(5, aes.encrypt(statuss));
                statement.setString(6, aes.encrypt(request.getParameter("money")));
                statement.setString(7, toaccno);
                statement.setString(8, toname);
                int f = statement.executeUpdate();
                System.out.println("success");
                System.out.println("success");
                response.sendRedirect("Transfer.jsp?success");
            } else {

                System.out.println("failed");
            }
        }
    }
}

```

```

        response.sendRedirect("Transfer.jsp?Failed");
    }
}
else{
response.sendRedirect("Transfer.jsp?AccSame");
}

        //Same account else

    }

//accno check else
    else {
        response.sendRedirect("Transfer.jsp?Acnoinvalid");
    }

}

} //pincheck
else {
    response.sendRedirect("Transfer.jsp?Pinfailed");
}
} catch (Exception ex) {
    ex.printStackTrace();
}
}
}

```

// <editor-fold defaultstate="collapsed" desc="HttpServlet methods. Click on the + sign on the left to edit the code.">

```

/**
 * Handles the HTTP <code>GET</code> method.
 *
 * @param request servlet request
 * @param response servlet response
 * @throws ServletException if a servlet-specific error occurs

```

```

    * @throws IOException if an I/O error occurs
    */
    @Override
    protected void doGet(HttpServletRequest request, HttpServletResponse response)
        throws ServletException, IOException {
        try {
            processRequest(request, response);
        } catch (SQLException ex) {
            Logger.getLogger(transfer.class.getName()).log(Level.SEVERE, null, ex);
        }
    }

    /**
     * Handles the HTTP <code>POST</code> method.
     *
     * @param request servlet request
     * @param response servlet response
     * @throws ServletException if a servlet-specific error occurs
     * @throws IOException if an I/O error occurs
     */
    @Override
    protected void doPost(HttpServletRequest request, HttpServletResponse response)
        throws ServletException, IOException {
        try {
            processRequest(request, response);
        } catch (SQLException ex) {
            Logger.getLogger(transfer.class.getName()).log(Level.SEVERE, null, ex);
        }
    }

    /**
     * Returns a short description of the servlet.
     *
     * @return a String containing servlet description
     */
    @Override
    public String getServletInfo() {
        return "Short description";
    }
}

```

```
}
```

33- ALGORITHM -AESCRYPTOGRAPHY

```
/*
```

```
 * To change this license header, choose License Headers in Project Properties.
```

```
 * To change this template file, choose Tools | Templates
```

```
 * and open the template in the editor.
```

```
*/
```

```
package algorithm;
```

```
import java.nio.charset.StandardCharsets;
```

```
import java.security.spec.KeySpec;
```

```
import java.util.Base64;
```

```
import javax.crypto.Cipher;
```

```
import javax.crypto.SecretKey;
```

```
import javax.crypto.SecretKeyFactory;
```

```
import javax.crypto.spec.IvParameterSpec;
```

```
import javax.crypto.spec.PBEKeySpec;
```

```
import javax.crypto.spec.SecretKeySpec;
```

```
public class AEScryptography {
```

```
    // Class private variables
```

```
    public static final String SECRET_KEY
```

```
        = "FQYIOCSVVBKNKNOATQSQYUTIAYMHW";
```

```
    public static final String SALT = "ALWEZWRTNPSMGQAMFS";
```

```
    // This method use to encrypt to string
```

```
    public static String encrypt(String strToEncrypt)
```

```
    {
```

```
        try {
```

```
            // Create default byte array
```

```
            byte[] iv = { 0, 0, 0, 0, 0, 0, 0, 0,
                          0, 0, 0, 0, 0, 0, 0, 0 };
```

```
            IvParameterSpec ivspec
```

```
                = new IvParameterSpec(iv);
```

```

// Create SecretKeyFactory object
SecretKeyFactory factory
    = SecretKeyFactory.getInstance(
        "PBKDF2WithHmacSHA256");

// Create KeySpec object and assign with
// constructor
KeySpec spec = new PBEKeySpec(
    SECRET_KEY.toCharArray(), SALT.getBytes(),
    65536, 256);
SecretKey tmp = factory.generateSecret(spec);
SecretKeySpec secretKey = new SecretKeySpec(
    tmp.getEncoded(), "AES");

Cipher cipher = Cipher.getInstance(
    "AES/CBC/PKCS5Padding");
cipher.init(Cipher.ENCRYPT_MODE, secretKey,
    ivspec);
// Return encrypted string
return Base64.getEncoder().encodeToString(
    cipher.doFinal(strToEncrypt.getBytes(
        StandardCharsets.UTF_8)));
}
catch (Exception e) {
    System.out.println("Error while encrypting: "
        + e.toString());
}
return null;
}

// This method use to decrypt to string
public static String decrypt(String strToDecrypt)
{
    try {
        System.out.println(SECRET_KEY.length());
        System.out.println(SALT.length());

        // Default byte array

```

```

        byte[] iv = { 0, 0, 0, 0, 0, 0, 0, 0,
                      0, 0, 0, 0, 0, 0, 0, 0 };
        // Create IvParameterSpec object and assign with
        // constructor
        IvParameterSpec ivspec
            = new IvParameterSpec(iv);

        // Create SecretKeyFactory Object
        SecretKeyFactory factory
            = SecretKeyFactory.getInstance(
                "PBKDF2WithHmacSHA256");

        // Create KeySpec object and assign with
        // constructor
        KeySpec spec = new PBEKeySpec(
            SECRET_KEY.toCharArray(), SALT.getBytes(),
            65536, 256);
        SecretKey tmp = factory.generateSecret(spec);
        SecretKeySpec secretKey = new SecretKeySpec(
            tmp.getEncoded(), "AES");

        Cipher cipher = Cipher.getInstance(
            "AES/CBC/PKCS5PADDING");
        cipher.init(Cipher.DECRYPT_MODE, secretKey,
            ivspec);
        // Return decrypted string
        return new String(cipher.doFinal(
            Base64.getDecoder().decode(strToDecrypt)));
    }
    catch (Exception e) {
        System.out.println("Error while decrypting: "
            + e.toString());
    }
    return null;
}

// driver code

```

```

//
// public static void main(String[] args)
// {
//     AEsryptography aes = new AEsryptography();
//     // Create String variables
//     String originalString = "0";
//     // Call encryption method
//     String encryptedString
//         = aes.encrypt(originalString);
//     // Call decryption method
//     String decryptedString
//         = aes.decrypt(encryptedString);
//     // Print all strings
//     System.out.println(originalString);
//     System.out.println(encryptedString);
//     System.out.println(decryptedString);
//
// }
}

```

5.2 Test Approach and Test Cases:

SYSTEM TESTING

The purpose of testing is to discover errors. Testing is the process of trying to discover every conceivable fault or weakness in a work product. It provides a way to check the functionality of components, sub- assemblies, assemblies and/or a finished product. It is the process of exercising software with the intent of ensuring that the Software system meets its requirements and user expectations and does not fail in an unacceptable manner. There are various types of test. Each test type addresses a specific testing requirement.

TYPES OF TESTS

Unit testing

Unit testing involves the design of test cases that validate that the internal program logic is functioning properly, and that program inputs produce valid outputs. All decision branches and internal code flow should be validated. It is the testing of individual software units of the application. It is done after the completion of an individual unit before integration. This is a structural testing, that relies on knowledge of its construction and is invasive. Unit tests perform basic tests at component level and test a specific business process, application, and/or system configuration. Unit tests ensure that each unique path of a business process performs accurately to the documented specifications and contains clearly defined inputs and expected results.

Integration testing

Integration tests are designed to test integrated software components to determine if they actually run as one program. Testing is event driven and is more concerned with the basic outcome of screens or fields. Integration tests demonstrate that although the components were individually satisfaction, as shown by successfully unit testing, the combination of components is correct and consistent. Integration testing is specifically aimed at exposing the problems that arise from the combination of components.

Functional test

Functional tests provide systematic demonstrations that functions tested are available as specified by the business and technical requirements, system documentation, and user manuals.

Functional testing is centered on the following items:

- Valid Input : identified classes of valid input must be accepted.
- Invalid Input : identified classes of invalid input must be rejected.
- Functions : identified functions must be exercised.
- Output : identified classes of application outputs must be exercised.
- Systems/Procedures: interfacing systems or procedures must be invoked.

Organization and preparation of functional tests is focused on requirements, key functions, or special test cases. In addition, systematic coverage pertaining to identify Business process flows; data fields, predefined processes, and successive processes must be considered for testing. Before functional testing is complete, additional tests

are identified and the effective value of current tests is determined.

System Test

System testing ensures that the entire integrated software system meets requirements. It tests a configuration to ensure known and predictable results. An example of system testing is the configuration oriented system integration test. System testing is based on process descriptions and flows, emphasizing pre-driven process links and integration points.

White Box Testing

White Box Testing is a testing in which in which the software tester has knowledge of the inner workings, structure and language of the software, or at least its purpose. It is purpose. It is used to test areas that cannot be reached from a black box level.

Black Box Testing

Black Box Testing is testing the software without any knowledge of the inner workings, structure or language of the module being tested. Black box tests, as most other kinds of tests, must be written from a definitive source document, such as specification or requirements document, such as specification or requirements document. It is a testing in which the software under test is treated, as a black box .you cannot “see” into it. The test provides inputs and responds to outputs without considering how the software works.

Unit Testing:

Unit testing is usually conducted as part of a combined code and unit test phase of the software lifecycle, although it is not uncommon for coding and unit testing to be conducted as two distinct phases.

Test strategy and approach

Field testing will be performed manually and functional tests will be written in detail.

Test objectives

- All field entries must work properly.
- Pages must be activated from the identified link.
- The entry screen, messages and responses must not be delayed.

Features to be tested

- Verify that the entries are of the correct format
- No duplicate entries should be allowed
- All links should take the user to the correct page.

Integration Testing

Software integration testing is the incremental integration testing of two or more integrated software components on a single platform to produce failures caused by interface defects.

The task of the integration test is to check that components or software applications, e.g. components in a software system or – one step up – software applications at the company level – interact without error.

Test Results: All the test cases mentioned above passed successfully. No defects

encountered.

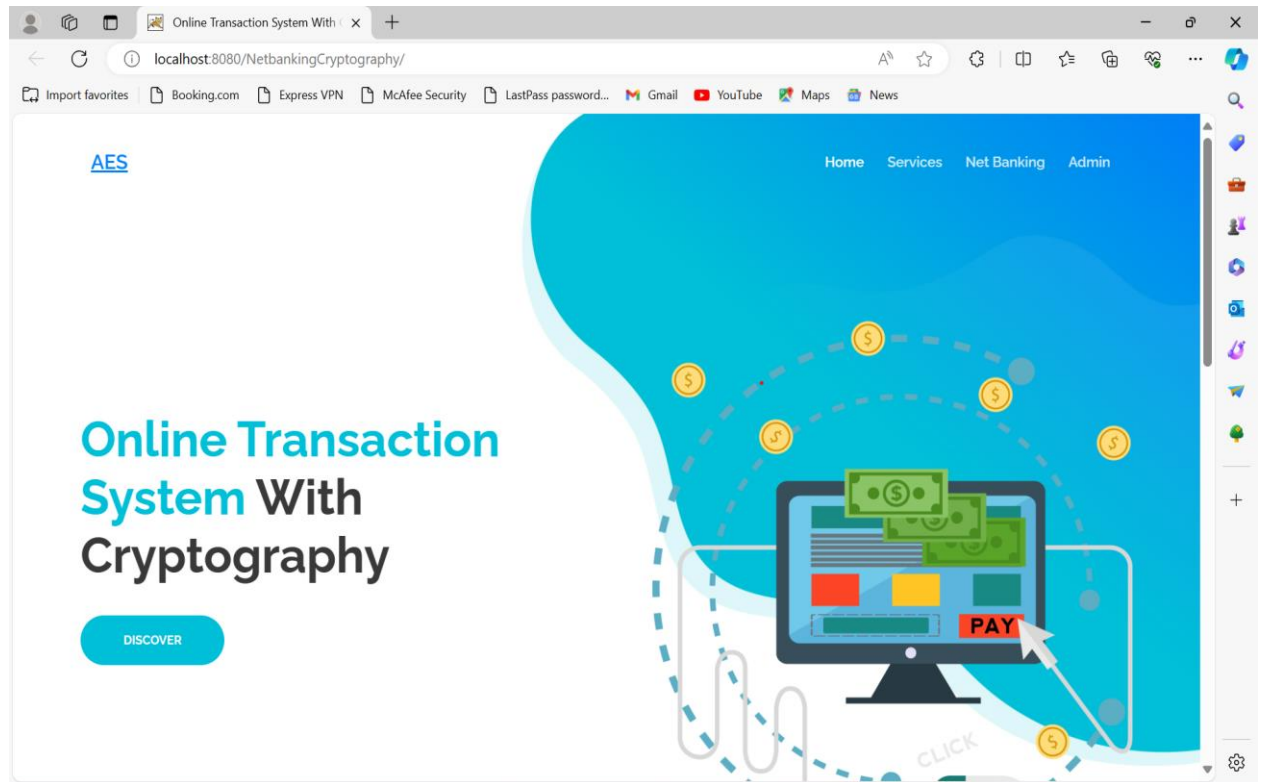
Acceptance Testing

User Acceptance Testing is a critical phase of any project and requires significant participation by the end user. It also ensures that the system meets the functional requirements.

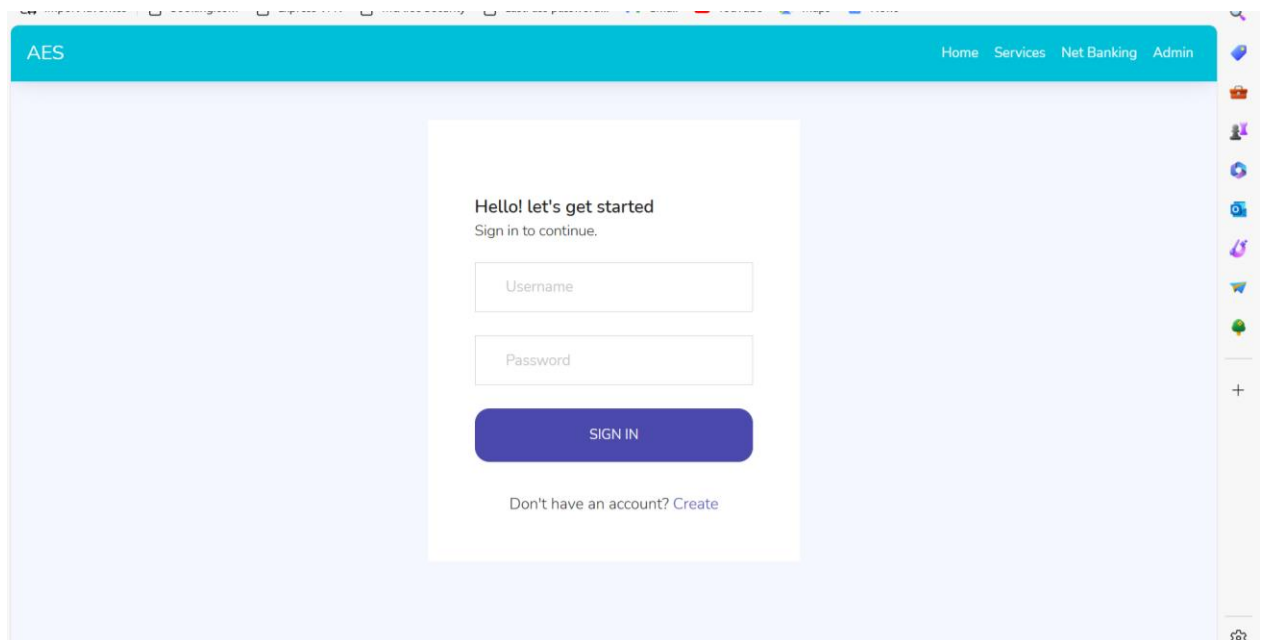
Test Results: All the test cases mentioned above passed successfully. No defects encountered.

5.2 Screenshots

1- Login page



2- Create user/login page



3- creating user

Account Opening

localhost:8080/NetbankingCryptography/register.jsp

Home Services Net Banking Admin

Personal Info

First Name	Pari	Last Name	Jain
Father Name	Raj	Mother Name	Meena
Gender	Female	Date of Birth	07-04-2000
Account Type	Savings	Photo	Choose File girl2.jpg
Password	***	Confirm Password	***

KYC Details

PAN Card Number	3257869502	Adhar Number	6254652879
-----------------	------------	--------------	------------

26° Search ENG IN 07:51 01-04-2024

Account Opening

localhost:8080/NetbankingCryptography/register.jsp

Home Services Net Banking Admin

KYC Details

PAN Card Number	3257869502	Adhar Number	6254652879
Mobile Number	4396026464	Email Id	pari@gmail.com

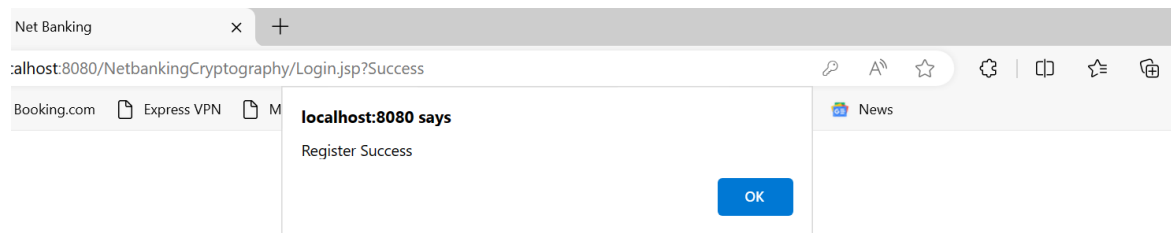
You can register now!!!!

Address

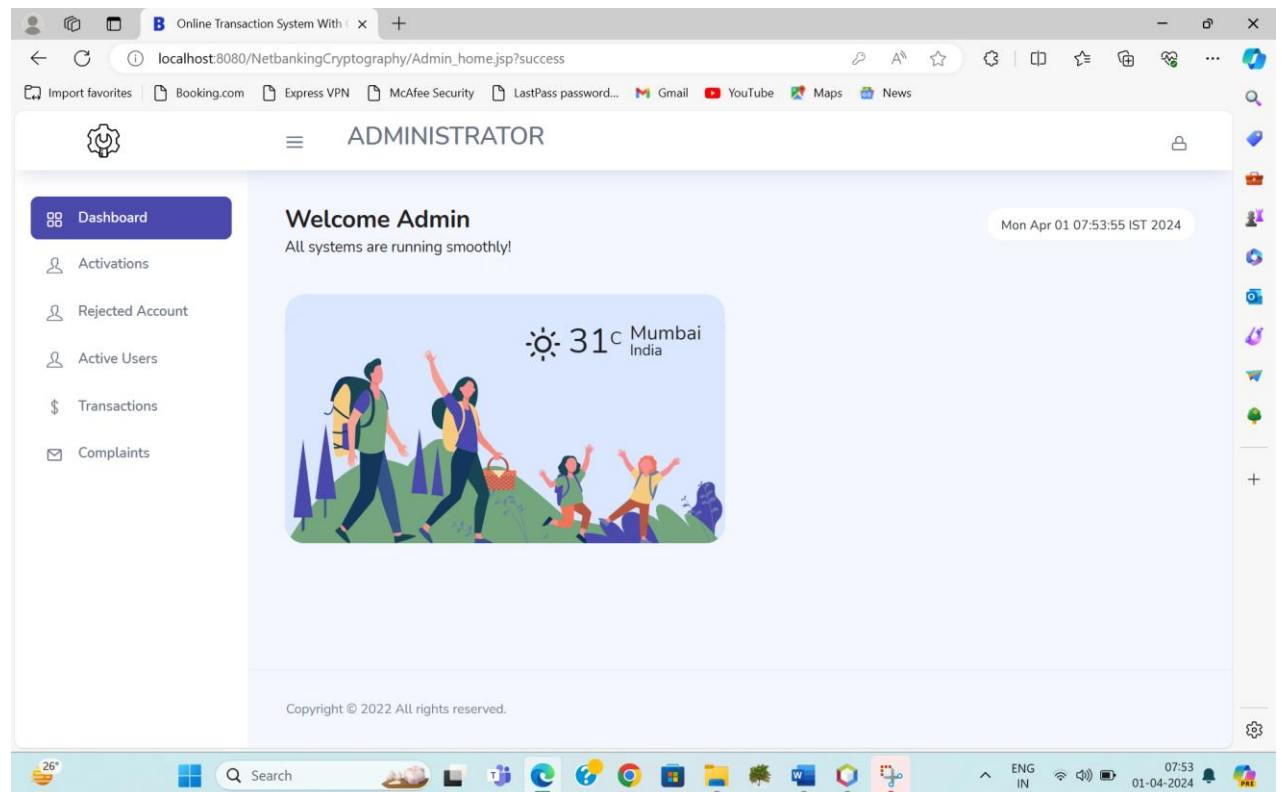
Address 1	borivali	State	maharashtra
Address 2	link road	Postcode	400076
City	mumbai	Country	India

Submit

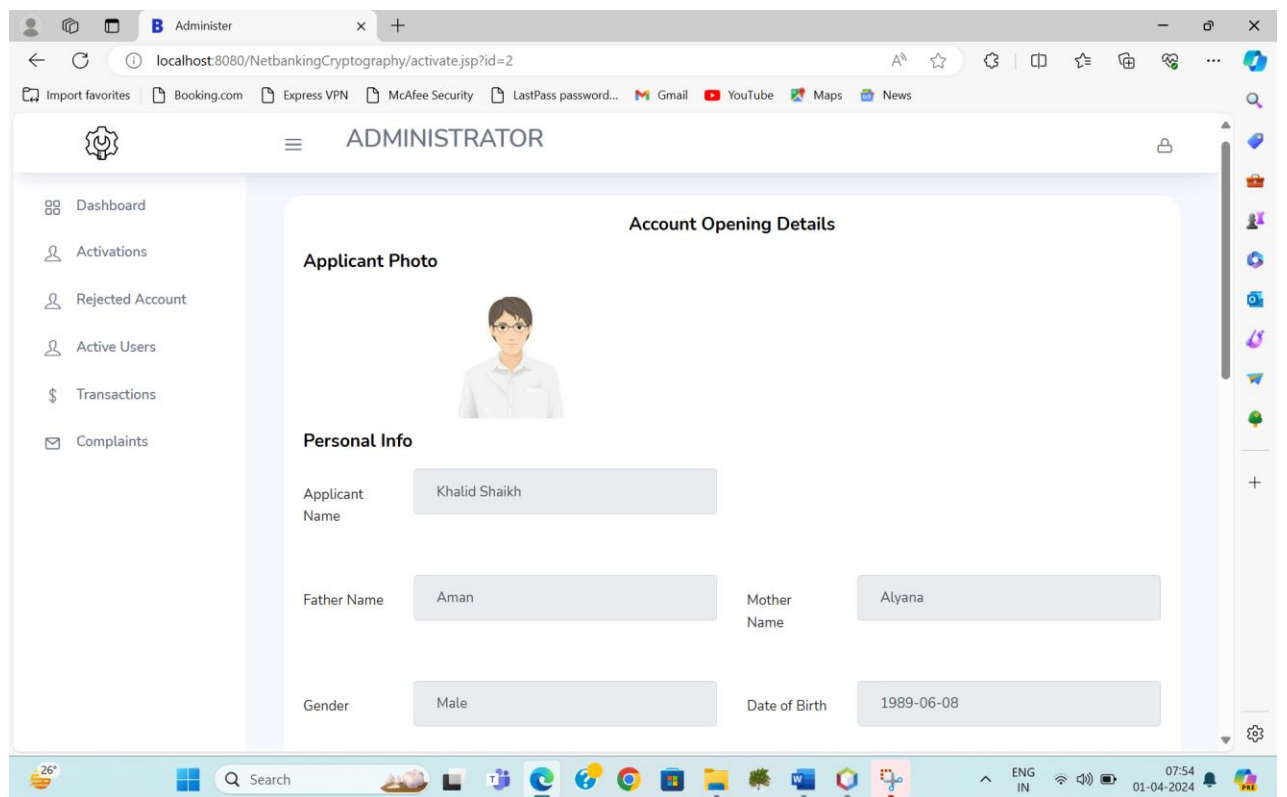
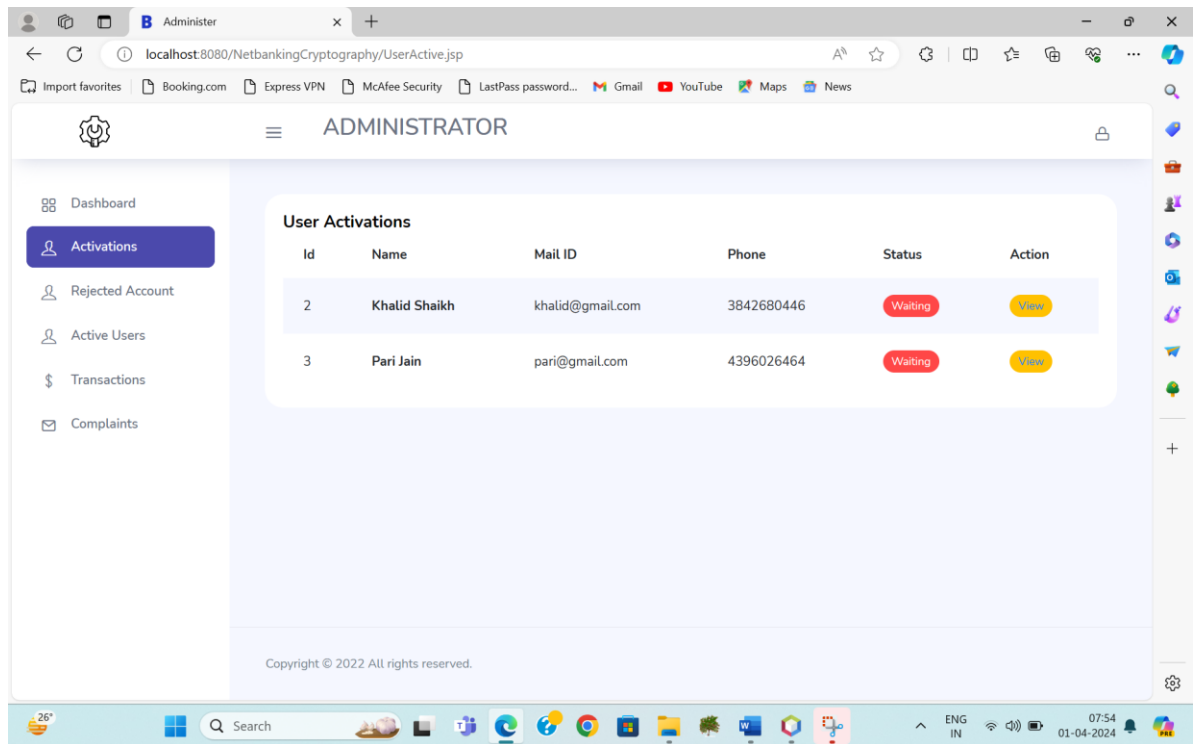
26° Search ENG IN 07:52 01-04-2024



4- admin portal



5- accepting and rejecting user



ADMINISTRATOR

PAN Card Number	765498765	Adhar Number	98347534	
Mobile Number	3842680446	Email Id	khalid@gmail.com	
Address				
Address	goregaon, sv road		State	maharashtra
City	mumbai	Postcode	400056	
Country	India			

Activate Reject

localhost:8080/NetbankingCryptography/ActiveUsers.jsp?Granted

Booking.com Express VPN M

localhost:8080 says

User Account Activated

OK

News

Administrator

Active Users

Id	Name	Account No	Status	Time
1	Anchal Chopra	39256417441	Active	2024/04/01 01:32:50
2	Khalid Shaikh	38793326868	Active	2024/04/01 07:55:34

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localhost:8080/NetbankingCryptography/Rejected.jsp?Rejected

local host:8080 says

User Rejected

OK

Administrator

Rejected Users

Id	Name	Mail ID	Phone	Status	Action
3	Pari Jain	pari@gmail.com	4396026464	Reject	View

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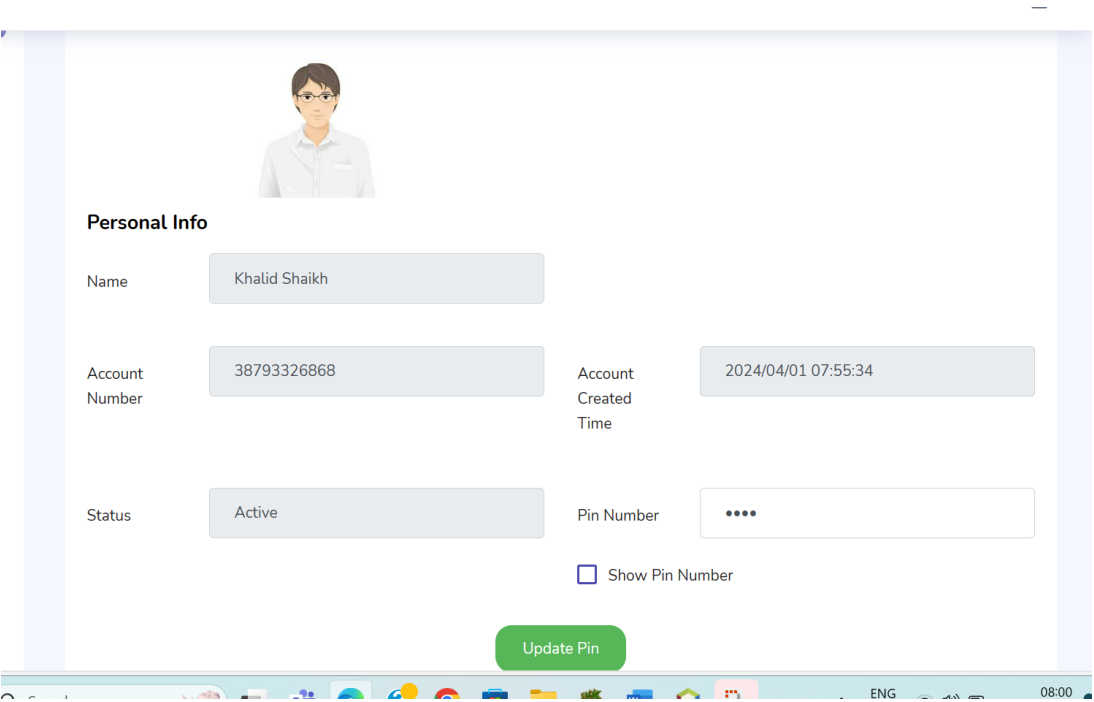
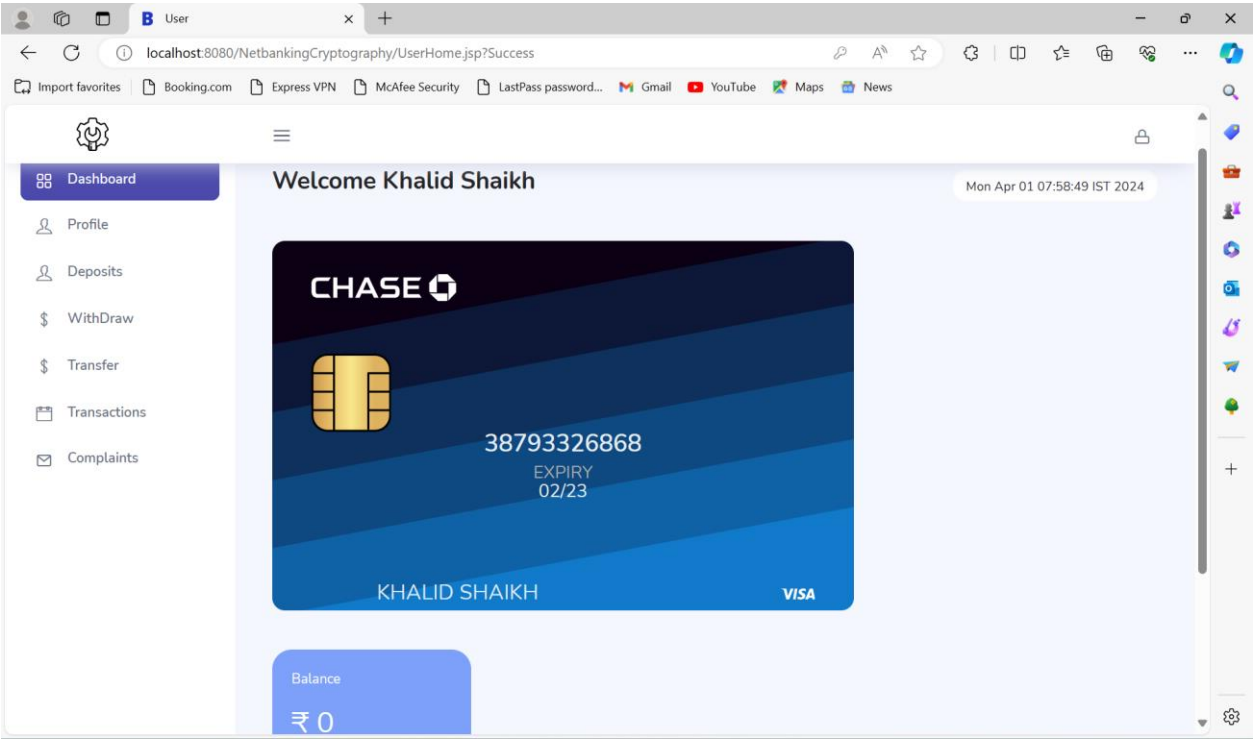
Administrator

Active Users

Id	Name	Account No	Status	Time
1	Anchal Chopra	39256417441	Active	2024/04/01 01:32:50
2	Khalid Shaikh	38793326868	Active	2024/04/01 07:55:34

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6- user acc -depositing and transferring money



Bank Deposits

Mon Apr 01 6

Deposits

Deposit Money into your account

@ 38793326868

₹ 5000 .00

...

☐ Show Pin Number

Deposit



ography/Deposits.jsp?success

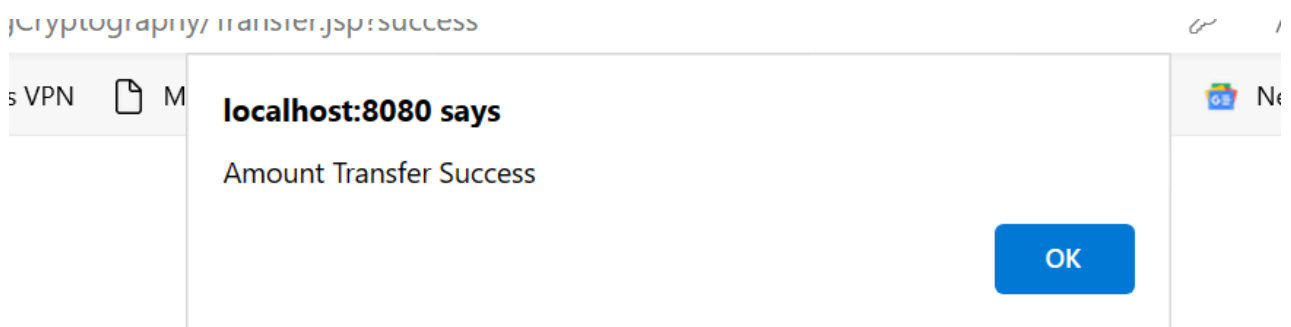
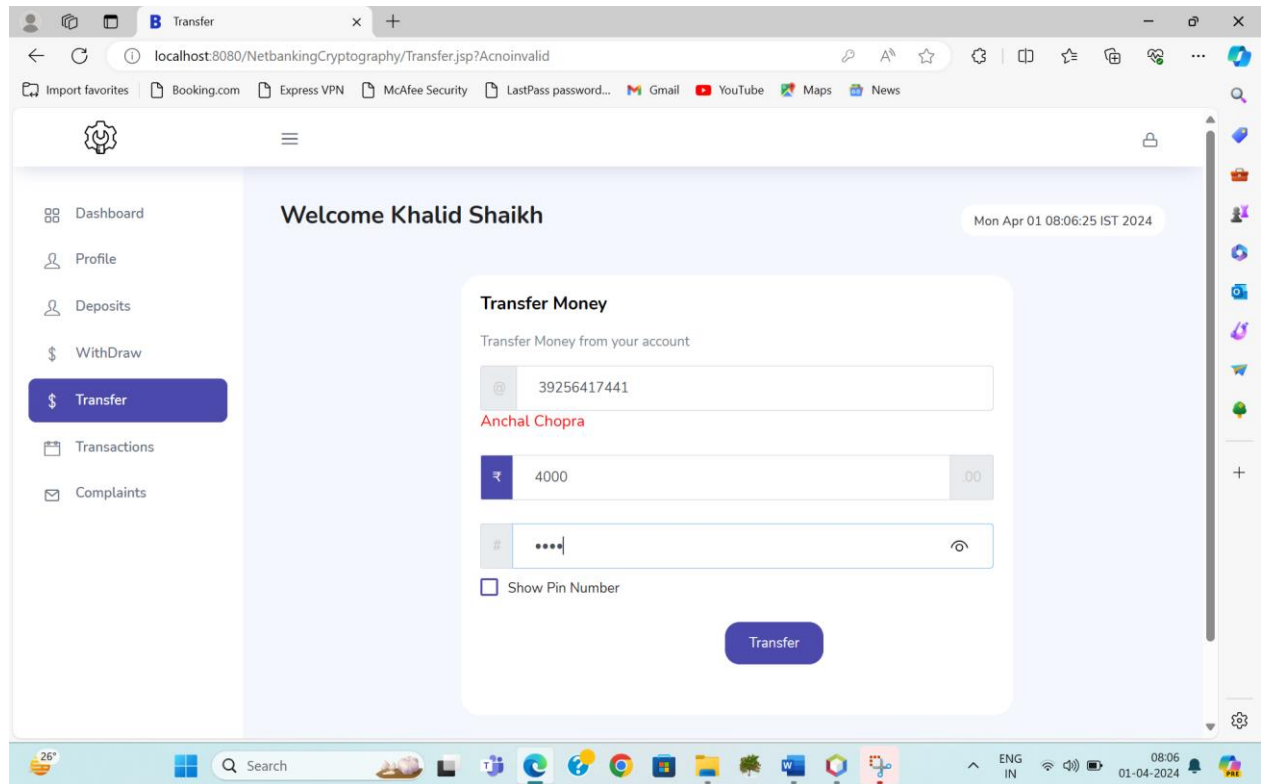


localhost:8080 says

Amount Deposit Success



OK



7- database

MySQL Query Browser - root@localhost:3306 / netbankcrypt

File Edit View Query Script Tools Window Help

Go back Next Refresh `SELECT * FROM transactions t;` Execute Stop

Resultset 1

	id	uid	accono	toaccount	type
1	2		flXe++v11H8p+Sg5fR13KGQ==	b93breDspA400PRITS3k==	Ys70
2	2		flXe++v11H8p+Sg5fR13KGQ==	CRi7Nfmu5wd5naHvUQCbmA==	Z5v1l

2 rows fetched in 0.0067s (0.0001s)

Schema: Bookmarks History

- information_schema
- mysql
- netbankcrypt**
 - accountinfo
 - complaints
 - transactions
 - usercreate
- test

Syntax: Functions Params Tox

- Data Manipulation
- Data Definition
- MySQL Utility
- Transactional and Locking

ENG IN 08:08 01-04-2024

CHAPTER 6: CONCLUSION

6.1 Conclusion:

The Secure Online Transaction System with Cryptography project has successfully addressed the limitations of existing online transaction systems by introducing enhanced security measures and leveraging cryptography techniques. The project's objectives were to ensure the confidentiality, integrity, and authenticity of online transactions, safeguard sensitive data, and mitigate the risks associated with unauthorized access and fraudulent activities. Through the implementation of robust encryption mechanisms, such as the AES algorithm, the project has significantly enhanced the data confidentiality of online transactions. By encrypting transaction data during transmission and storage, the system provides a secure environment, reducing the risk of data breaches and protecting sensitive information. Furthermore, the integration with the MySQL database management system provides efficient storage and retrieval of transaction-related information while maintaining data integrity and security. Secure practices are implemented to protect against SQL injection attacks and unauthorized access to the database. Overall, the Secure Online Transaction System with Cryptography project has successfully developed a secure environment for online transactions. The project's outcomes contribute to the field of online transaction security by showcasing the effective implementation of cryptography techniques and advanced security measures. The proposed system provides users with enhanced data confidentiality, integrity, and authentication, promoting trust and confidence in online transactions. In conclusion, the Secure Online Transaction System with Cryptography project has successfully addressed the security challenges in online transactions, providing a robust and secure platform for users to conduct transactions with confidence.

6.2 Future Scope:

The Secure Online Transaction System with Cryptography project lays a solid foundation for secure online transactions, but there are several areas for future work and improvement to enhance its capabilities. The following are potential avenues for future research and development:

- **Advanced Cryptographic Algorithms:** While the project has implemented the AES algorithm for encryption, exploring and integrating other advanced cryptographic algorithms can provide additional security options. Researching and evaluating algorithms such as RSA, Elliptic Curve Cryptography (ECC), or post-quantum cryptography can strengthen the system's cryptographic capabilities.
- **Blockchain Integration:** Investigating the integration of blockchain technology into the online transaction system can provide decentralized and tamper-resistant transaction records. Exploring blockchain frameworks and smart contracts can enhance the system's transparency, traceability, and resistance to fraud.
- **Biometric Identification:** Expanding the authentication mechanisms to include biometric identification, such as fingerprint or facial recognition, can further strengthen user authentication. Researching biometric technologies, ensuring their accuracy and reliability, and integrating them into the system can enhance security and user experience.

- **Continuous Security Monitoring:** Implementing real-time security monitoring and anomaly detection techniques can provide proactive defense against potential threats. Utilizing machine learning and artificial intelligence algorithms can help identify patterns and detect abnormal behavior, allowing for immediate response and mitigation of security incidents.
- **Compliance with Emerging Regulations:** Staying up to date with evolving regulatory frameworks, such as the General Data Protection Regulation (GDPR) or Payment Card Industry Data Security Standard (PCI DSS), is crucial. Continually updating the system to meet compliance requirements ensures the protection of user data and reduces legal and reputational risks.
- **Enhanced User Education and Awareness:** Improving user education initiatives to promote secure online transaction practices is essential. Providing user-friendly guides, tutorials, and resources on identifying and avoiding scams, phishing attacks, and other online threats can empower users to make informed decisions and protect themselves.
- **Usability and User Experience Enhancements:** Conducting user studies and feedback sessions to gather insights on the system's usability and user experience can lead to iterative improvements. Incorporating user-centric design principles and conducting usability testing can result in a more intuitive and efficient system interface.

- **Penetration Testing and Vulnerability Assessments:** Conducting regular penetration testing and vulnerability assessments to identify and address potential security weaknesses is critical. Engaging security experts to evaluate the system's resilience against various attack vectors can enhance its overall security posture.
- **Integration with Emerging Technologies:** Exploring the integration of emerging technologies, such as Internet of Things (IoT) devices or artificial intelligence, into the online transaction system can open up new possibilities for secure and efficient transactions. Evaluating the security implications and ensuring compatibility with the existing system architecture are vital considerations.
- **Collaboration and Industry Standards:** Collaborating with industry experts, researchers, and organizations to exchange knowledge, share best practices, and contribute to industry standards can drive the advancement of secure online transaction systems. Participating in relevant forums, conferences, and communities can foster innovation and facilitate the exchange of ideas.
- **Continued research, development, and innovation** in these areas will enable the Secure Online Transaction System with Cryptography project to stay at the forefront of online transaction security, providing users with robust and trustworthy platforms for conducting secure transactions.

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