

# PROJECT REPORT ON ONLINE BANKING



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## **Acknowledgment**

I would like to express my heartfelt gratitude to all those who have contributed to the successful completion of this project on Java programming.

First and foremost, I am deeply thankful to my mentor, [Mentor's Name], whose expertise and guidance were invaluable throughout this project. Their encouragement and insights provided clarity and direction at every step of my work.

I also wish to acknowledge the support of my [Professor/Teacher/Institution], [Institution/Professor's Name], for providing me with the resources and environment conducive to learning and growth. The access to resources, libraries, and tools has greatly enhanced my understanding of Java.

My sincere appreciation goes to my peers and family, who have been constant sources of motivation and feedback. Their support and constructive criticism helped me refine my work and keep me motivated to achieve my best.

Finally, I am thankful for the vast Java community and the resources available online, which greatly assisted me in deepening my knowledge and resolving challenges. This project has been a rewarding journey, and I am grateful to all those who made it possible.

**ISHITA  
Cse-A**

## **OBJECTIVES**

The primary objectives of the banking project in Java are as follows:

1. **Develop Core Banking Functions:** To create a software application that enables core banking operations such as account creation, deposits, withdrawals, fund transfers, and balance inquiries, allowing users to manage their finances efficiently.
2. **Implement Secure Authentication:** To design a secure login system that ensures only authorized users have access to their accounts and personal information, incorporating encryption to protect sensitive data.
3. **Ensure Data Integrity and Consistency:** To maintain accurate and consistent transaction records using Java's database management features, ensuring that all account details are updated in real-time.
4. **Enable Transaction History Tracking:** To provide users with a comprehensive transaction history for better financial tracking and transparency, allowing them to view past deposits, withdrawals, and transfers.
5. **User-Friendly Interface:** To design a simple, intuitive interface that facilitates easy navigation and accessibility for users, minimizing the learning curve and making the system usable for non-technical individuals.
6. **Enhance Performance and Scalability:** To build an efficient and scalable Java application that can handle multiple users simultaneously, ensuring the system's capability to grow with future banking needs.

## **Abstract**

The Banking Management System is a Java-based project designed to streamline banking operations for both customers and administrators. This application facilitates essential banking functionalities, including account management, secure transactions, and user-specific operations. The project aims to provide an efficient, user-friendly, and secure platform for managing financial operations.

The system has two primary user interfaces:

- Customer Interface: Enables users to create accounts, perform transactions (deposit, withdrawal, and transfer), and review their transaction history.
- Admin Interface: Allows administrators to manage customer accounts, process salaries, and oversee transaction histories.

This report details the design, development, and deployment of the system, covering key technical and functional aspects.

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# **Introduction**

Banking institutions play a crucial role in modern economies, where efficient and secure management of financial transactions is vital. The traditional banking processes, often reliant on manual operations, can lead to inefficiencies and inaccuracies. To address these challenges, automation in banking has become a necessity.

This project, the **Banking Management System**, aims to provide a digital solution that enhances the customer experience while simplifying administrative tasks.

Developed using Java, the system ensures scalability, portability, and robustness. The application is designed with a graphical user interface (GUI) to provide an intuitive user experience, leveraging the Java Swing library for interface design and JDBC for database connectivity.

## **Key Features**

- **Customer Operations:**
  - Secure login and account creation.
  - Balance inquiry, deposits, withdrawals, and fund transfers.
  - Transaction history filtering by date and type.
- **Administrator Functions:**
  - Management of customer and staff accounts.
  - Salary disbursement and transaction oversight.
  - Role-based access to features for enhanced security.

## **Objectives**

- Automate core banking functionalities for customers and administrators.
- Ensure data security and integrity.
- Provide an intuitive interface for ease of use.

# **System Analysis**

## **Problem Statement**

Traditional banking operations are often slow, prone to errors, and reliant on manual interventions. Customers face challenges such as long queues, delays in accessing their accounts, and limited self-service options. Similarly, administrative processes like managing customer records and processing transactions consume significant time and resources. This project aims to address these inefficiencies by providing an automated solution.

### **Objectives**

- 1) To develop a user-friendly application for seamless banking operations.
- 2) To automate repetitive administrative tasks, reducing manual errors.
- 3) To ensure secure handling of sensitive financial data.
- 4) To provide role-based access for customers, staff, and administrators.

## **Functional Requirements**

The following functional requirements were identified for the system:

1. **Customer Module:**
  - User registration and authentication.
  - Features for balance inquiry, deposits, withdrawals, and fund transfers.
  - Transaction history filtering and reporting.
2. **Admin Module:**
  - User and staff account management.
  - Salary processing for staff.
  - Access to customer and transaction details.
3. **Common Features:**
  - Role-based access to ensure secure and limited functionality per user type.
  - Logout options with confirmation prompts.

## **Non-Functional Requirements**

1. **Usability:** The system should have an intuitive GUI for ease of use by customers and administrators.
2. **Performance:** The system should handle multiple transactions simultaneously without performance degradation.
3. **Security:** Implement secure authentication to protect user data.
4. **Scalability:** The system should accommodate future expansion in functionalities.
5. **Maintainability:** Ensure ease of updates and debugging with clear code documentation.

## **Feasibility Study**

**1. Technical Feasibility:**

The project uses Java for development, leveraging Java Swing for the user interface and JDBC for database connectivity. These technologies are widely supported, ensuring technical feasibility.

**2. Economic Feasibility:**

The development relies on open-source tools, reducing costs. The long-term benefits of automation outweigh initial development expenses.

**3. Operational Feasibility:**

The system is designed to meet user requirements effectively, making it operable with minimal training for staff and customers.

# System Design

System design plays a critical role in defining the architecture, components, and functionalities of the banking system. This section presents the structural blueprint and flow of the application.

## **System Architecture**

The banking management system follows a **three-tier architecture**:

1. **Presentation Layer:** Handles the user interface using Java Swing for the customer and admin portals.
2. **Business Logic Layer:** Processes user requests, performs transactions, and enforces system rules.
3. **Data Layer:** Manages data storage and retrieval using a relational database (e.g., MySQL) connected via JDBC.

## **Use Case Diagram**

The use case diagram outlines the interactions between the system and its users:

### **Actors:**

- Customer
- Admin

### **Use Cases:**

- Customer: Login, Account Management, Balance Inquiry, Deposit, Withdrawal, Transaction History.
- Admin: User Management, Transaction Monitoring, Salary Processing, Data Management.

## **Class Diagram**

The class diagram describes the system's object-oriented structure, including the relationships between classes. Key classes include:

### **1. Customer:**

- Attributes: CustomerID, Name, AccountNumber, Balance.
- Methods: register(), login(), deposit(), withdraw(), viewHistory().

### **2. Admin:**

- Attributes: AdminID, Name, Role.
- Methods: addUser(), manageAccounts(), processSalary().

### **3. Transaction:**

- Attributes: TransactionID, Date, Type, Amount, AccountID.
- Methods: initiateTransaction(), fetchHistory().

### **4. DatabaseHandler:**

- Attributes: Connection, Queries.
- Methods: connectDB(), executeQuery().

## **ER Diagram (Entity-Relationship Diagram)**

The ER diagram represents the database schema, showcasing the relationships between entities like Customers, Accounts, and Transactions.

### **Entities:**

- Customer: Holds personal details and account credentials.
- Account: Contains balance and account-related data.
- Transaction: Stores transaction records, including type, date, and amount.
- Admin: Maintains admin details and privileges.

### **Relationships:**

- A **Customer** can have one or more **Accounts**.
- Each **Account** can have multiple **Transactions**.
- **Admin** oversees all **Customers** and their activities.

## **Flowcharts**

### **1. Customer Login Flow:**

1. Start
2. Display Welcome Page
3. Input Credentials
4. Validate Credentials
  - o If valid: Display Menu
  - o If invalid: Show Error Message
5. Perform Selected Operation
6. Logout or Exit

### **2. Admin Workflow:**

1. Start
2. Display Admin Login Page
3. Input Credentials
4. Validate Credentials
  - o If valid: Display Admin Dashboard
  - o If invalid: Show Error Message
5. Perform Admin Operations (e.g., user management, salary processing)
6. Logout or Exit

# **Database Schema**

The database schema consists of tables to manage customer, account, transaction, and admin data.

## **1. Table: Customer**

<b>Column Name</b>	<b>Data Type</b>	<b>Description</b>
CustomerID	INT	Unique identifier for a customer.
Name	VARCHAR(100)	Customer's full name.
Email	VARCHAR(100)	Email address.
Password	VARCHAR(100)	Encrypted password.

## **2. Table: Account**

<b>Column Name</b>	<b>Data Type</b>	<b>Description</b>
AccountID	INT	Unique identifier for an account.
CustomerID	INT	Links to Customer table.
Balance	DECIMAL(10,2)	Current balance.

## **3. Table: Transaction**

<b>Column Name</b>	<b>Data Type</b>	<b>Description</b>
TransactionID	INT	Unique identifier for a transaction.
AccountID	INT	Links to Account table.
Date	DATE	Date of transaction.
Type	ENUM	Deposit, Withdrawal, Transfer.
Amount	DECIMAL(10,2)	Amount of transaction.

## **4. Table: Admin**

<b>Column Name</b>	<b>Data Type</b>	<b>Description</b>
AdminID	INT	Unique identifier for admin.
Name	VARCHAR(100)	Admin's full name.
Role	VARCHAR(50)	Role designation (e.g., Manager).

# Implementation

The implementation of the Banking Management System involves translating the design into a working application. The project was developed using **Java**, with a focus on creating a robust and user-friendly application for both customers and administrators.

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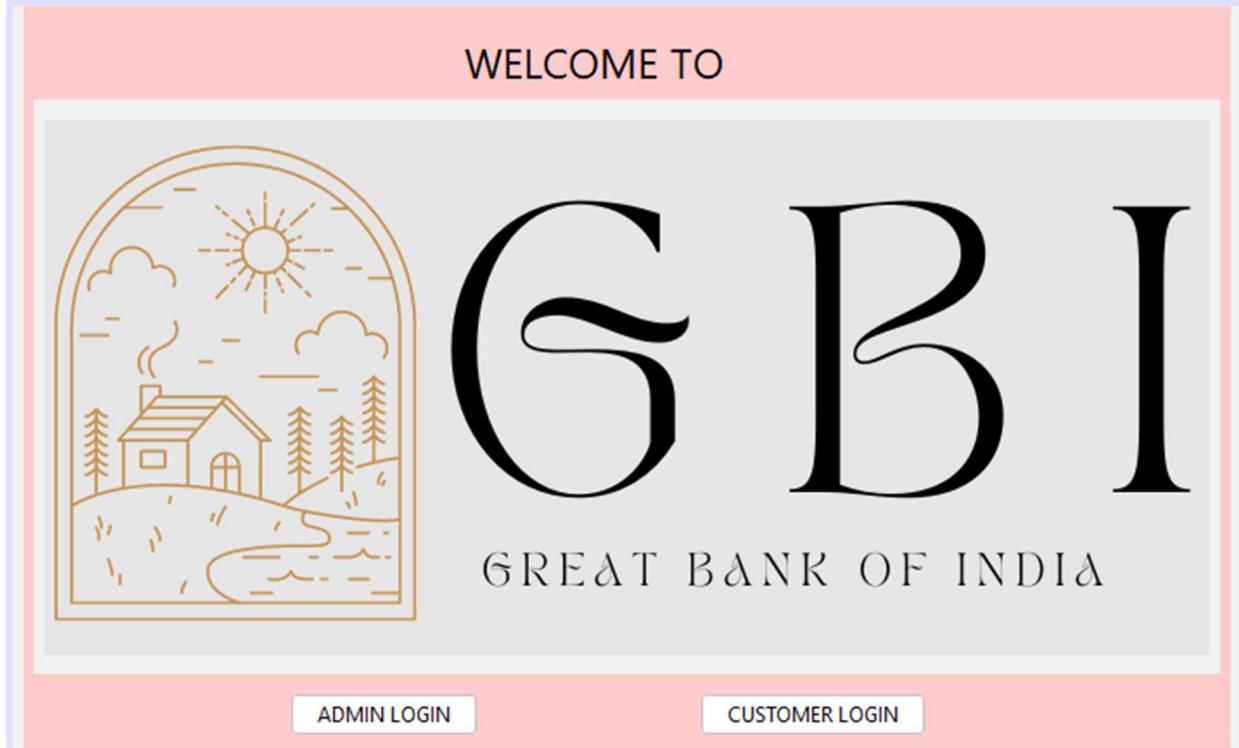
## Technologies and Tools Used

1. **Programming Language:** Java
  - o Core Java for logic and Swing for the graphical user interface (GUI).
2. **Database:** MySQL
  - o Used for storing user data, transactions, and account information.
3. **IDE:** IntelliJ IDEA/Eclipse
  - o For writing, debugging, and testing the code.
4. **Connectivity:** JDBC (Java Database Connectivity)
  - o To connect the application with the MySQL database.

# **How the banking project works?**

For customer

- Welcome page



- On clicking customer login button login page occurs.

The image shows the login page of the Great Bank of India (GBI). It has a green header bar with the text "ENTER YOUR USERNAME AND PASSWORD". Below this is a form with two input fields: "Username" and "Password", each with its own input box. Below the password field is a "login" button. At the bottom of the page are two more buttons: "Sign up" on the left and "back to start" on the right.

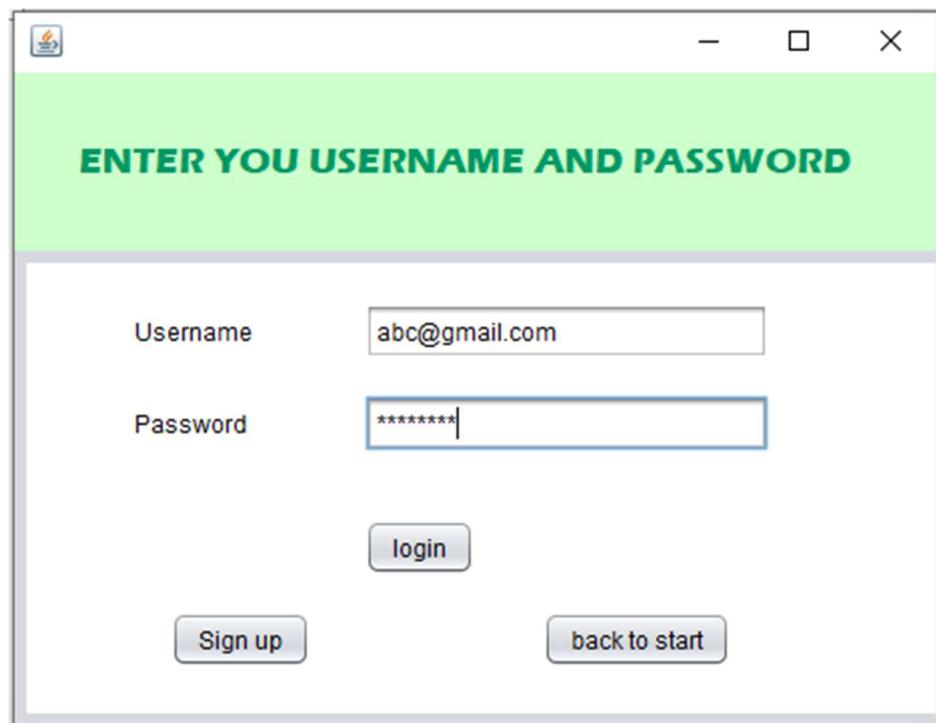
- On clicking back to start button , you will redirect on the welcome page as shown above .If you don't have any login id password or have not login till , then click on sign up button a dashboard page will occur as shown below.

The screenshot shows a Windows application window titled "DASHBOARD". The window has a red header bar with the title. Below the header is a light gray horizontal bar. The main area contains a form with the following fields:

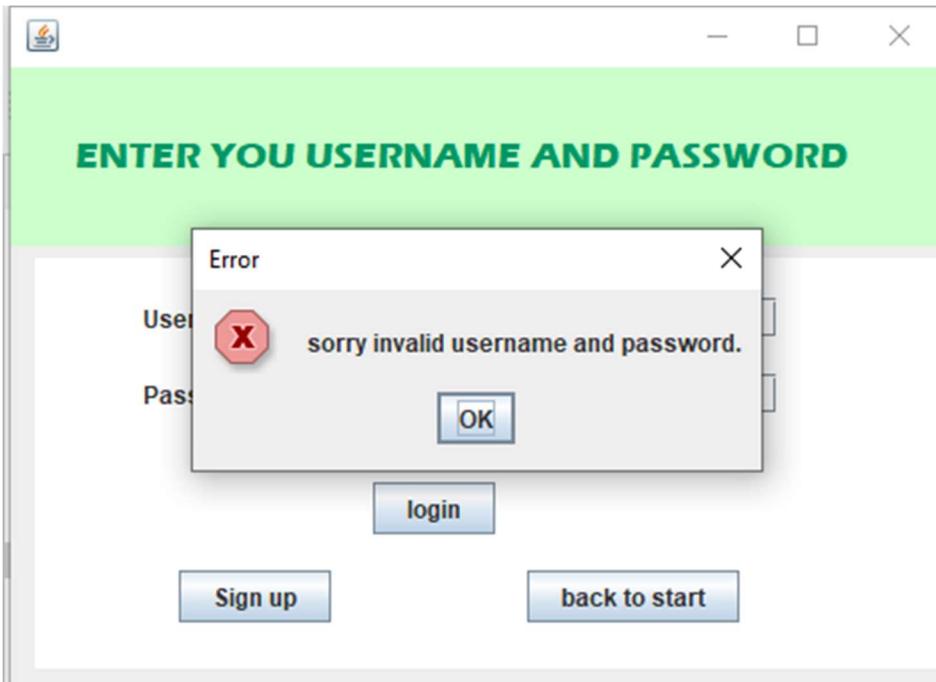
NAME	<input type="text"/>
PHONE NO	<input type="text"/>
FATHER'S NAME	<input type="text"/>
ADHAAR NO	<input type="text"/>
ADDRESS	<input type="text"/>
PIN CODE	<input type="text"/>
STATE	<input type="text"/>
EMAIL ADDRESS	<input type="text"/>
PASSWORD	<input type="text"/>
CONFIRM PASSWORD	<input type="text"/>
OPENING BALANCE	<input type="text"/> minimum balance should be 2000

At the bottom of the form are three buttons: "SUBMIT", "cancel", and "back to start".

- on clicking cancel button it will delete all the details and on clicking back to start button , you will redirect on the welcome page. After filling the details ,click submit button to jump on the login page so that u can login into your account .



- by any chance you entered the wrong username and password a popup will be shown like below.



- now click ok and again enter the correct username and password and click the login button , u will be directed to the menu home page .

**ENTER YOU USERNAME AND PASSWORD**

Message

Login successful!

OK

Username

Password

login

Sign up

back to start

**MAIN MENU**

PROFILE

CHECK BALANCE

WITHDRAW

DEPOSIT

TRANSFER

HISTORY

CALCULATOR

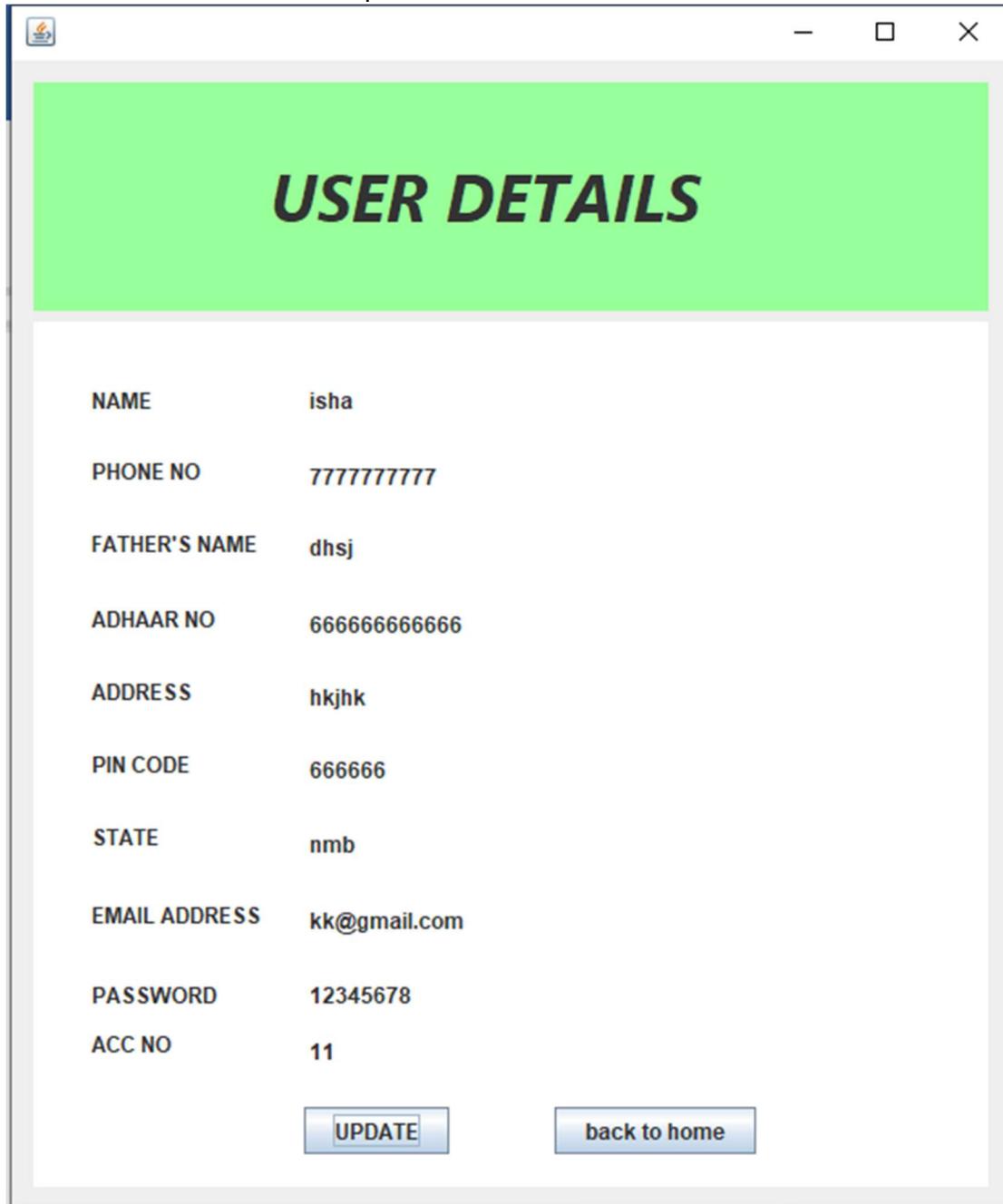
LOG OUT

Username kk@gmail.com

acc no 11

DATE : 25-10-2024

- As you enter the menu home page u can see many options .firstly for our info or details click on the profile button.



- As you can see here are your details and from here clicking on back to home button will take you towards the menu home page . Here you can see the update button , on clicking it you can update your info as shown below.

Acc\_no      11

NAME	isha
PHONE NO	1010101010
FATHER'S NAME	dhsj
ADHAAR NO	666666666666
ADDRESS	hkjhk
PIN CODE	666666
STATE	nmb
EMAIL ADDRESS	kk@gmail.com
PASSWORD	*****

SUBMIT      back to home

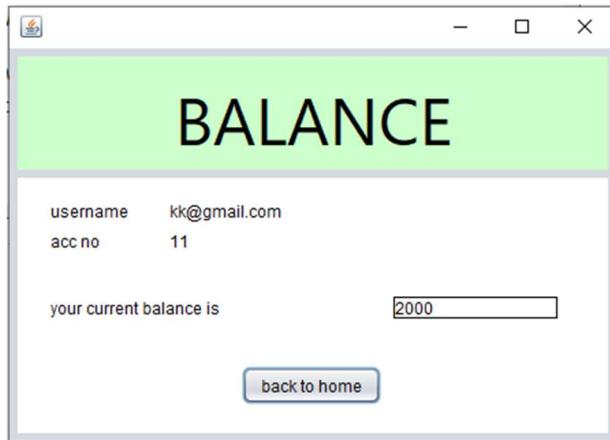
- Clicking on back to home it will redirect to your home page and after submitting a pop up will be shown of updated successfully , your info will get updated and your profile page will occur as shown above and after clicking

USER DETAILS

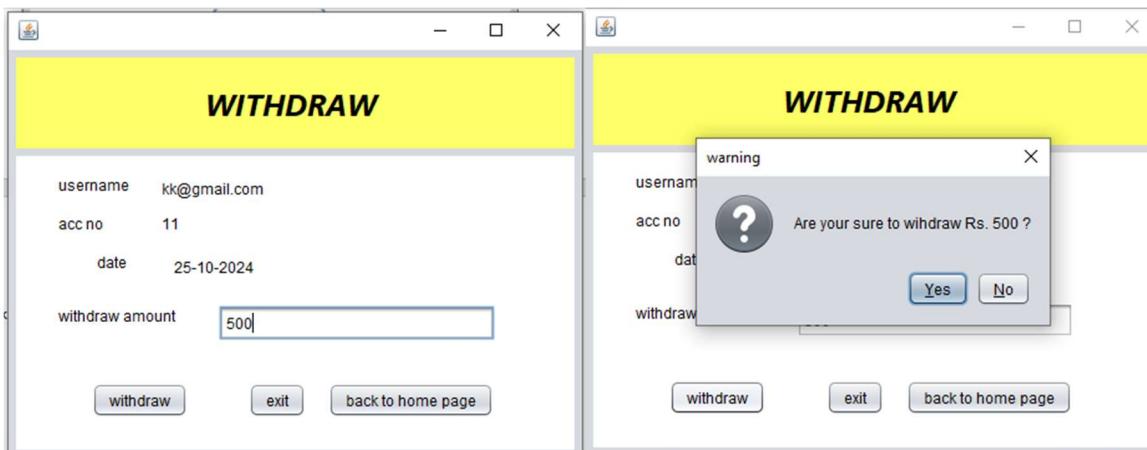
NAME	isha
PHONE NO	1010101010
FATHER'S NAME	dhsj
ADHAAR NO	666666666666
ADDRESS	hkjhk
PIN CODE	666666
STATE	nmb
EMAIL ADDRESS	kk@gmail.com
PASSWORD	12345678
ACC NO	11

UPDATE      back to home

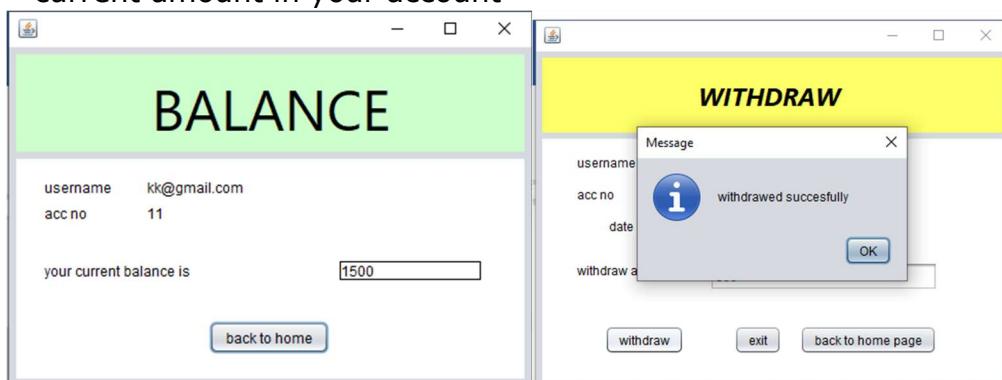
- Now back to home we can see the option of check balance where u can check the balance.



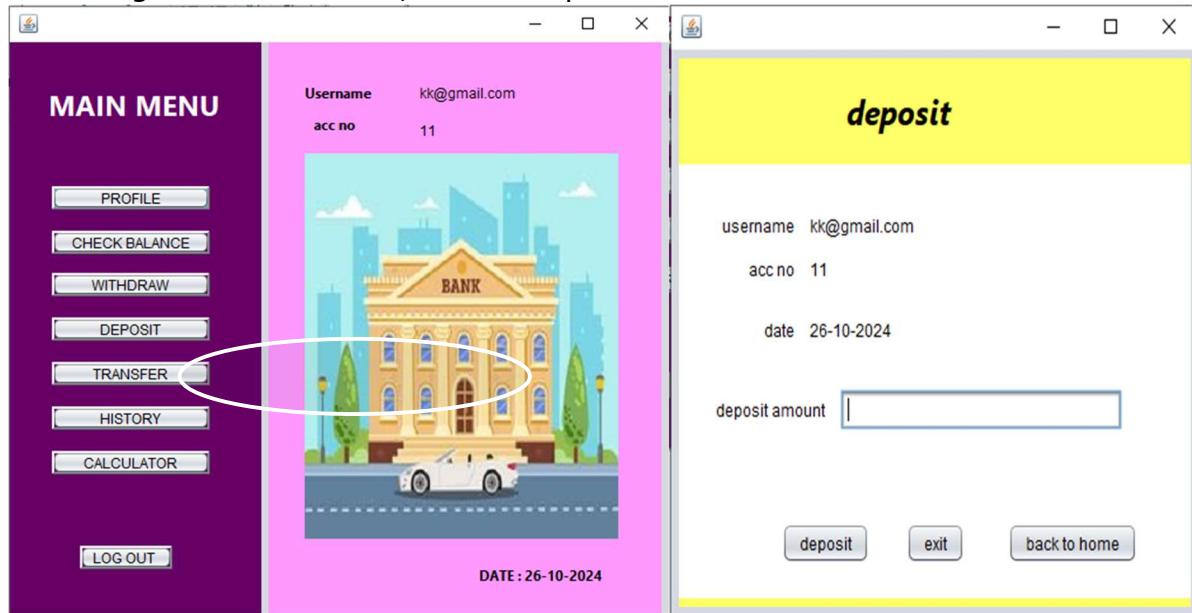
- Back to menu home, next button is withdraw where we can withdraw our money.
- As we can see there are three options withdraw , exit and back to home page



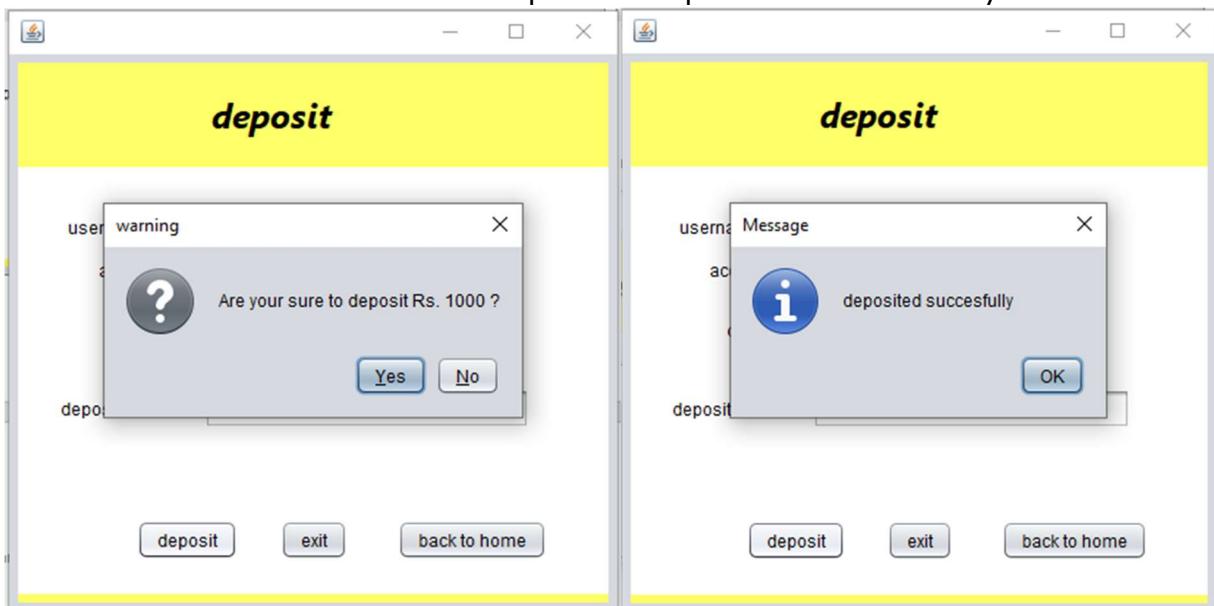
- Exit button will clear the text box of amount .
- After entering the amount click the withdraw button , it will first ask u confirmation that whether you really want to withdraw the amount or not.
- On clicking no it will take you to the home page .
- Click the yes button for a successful withdrawal.
- After clicking ok your balance sheet will appear where you can see your current amount in your account

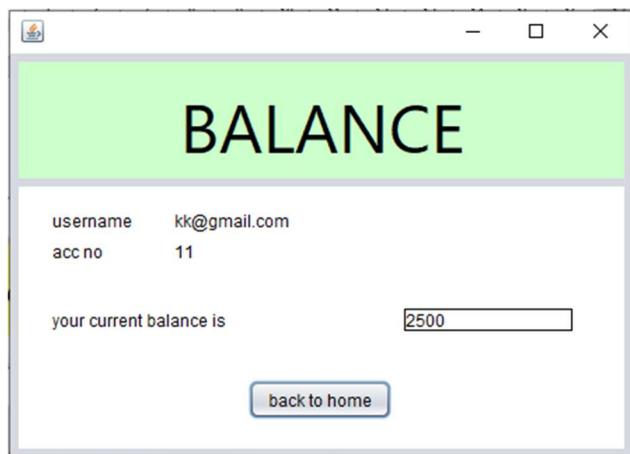


- Now get back to home , next is deposit .



- Enter the amount and click deposit to deposit the amount in your account.

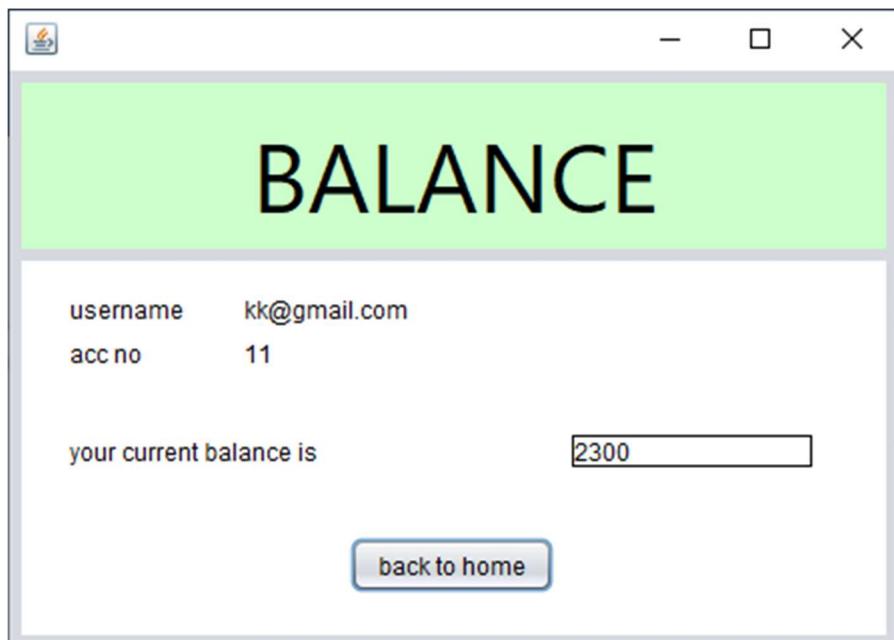




- On clicking transfer button on the home page

The image displays four windows illustrating the transfer process:

- Initial Transfer Form:** Shows fields for Username (kk@gmail.com), Account no (11), and a "TRANSFER TO" section with empty fields for Account no, Name, and Amount.
- Filled Transfer Form:** Shows the same fields with values: Account no (30), Name (rs), and Amount (200).
- Confirmation Dialog:** A modal window titled "warning" asks "Are you sure to transfer Rs. 200 ?" with "Yes" and "No" buttons.
- Successful Transfer Confirmation:** A modal window titled "Message" displays "transferred successfully" with an "OK" button.



- Let's get back to home page.
- Next you can see a history option which allows you to see your past transactions. Here you can select particular date and transaction type and filter the table to see what u actually want to see.

The screenshot shows a window titled 'TRANSACTION HISTORY'. At the top, there is a dark red header bar. Below it, the title 'TRANSACTION HISTORY' is displayed in large, bold, white capital letters. The main content area has a white background. It contains the following information:

transaction type	date	amount	to account no
deposit	25-10-2024	2000	11
WITHDRAW	26-10-2024	500	11
deposit	26-10-2024	1000	11
deposit	26-10-2024	200	11
TRANSFER	26-10-2024	200	30

On the left side of the content area, there are three dropdown menus:

- date: all
- to account no: all
- transaction type: all

Below these dropdowns are two buttons: 'SUBMIT' and 'BACK TO HOME'.

**TRANSACTION HISTORY**

username	kk@gmail.com	account no	11		
date	all	transaction type	date	amount	to account no
to account no	all	deposit	26-10-2024	200	11
transaction type	deposit	deposit	26-10-2024	1000	11
		deposit	25-10-2024	2000	11

**SUBMIT**

**BACK TO HOME**

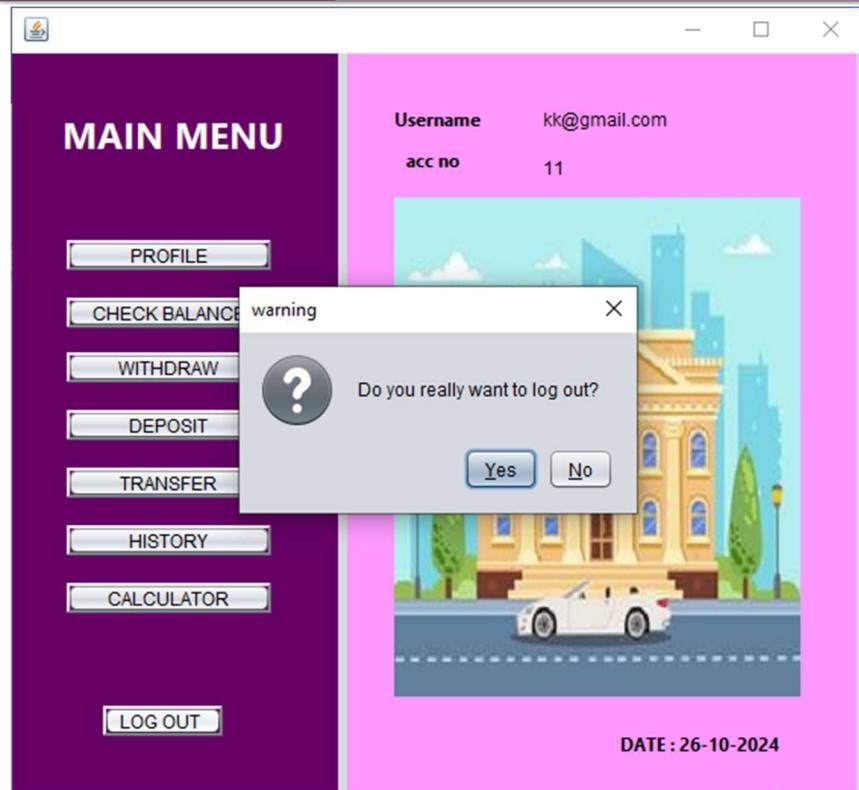
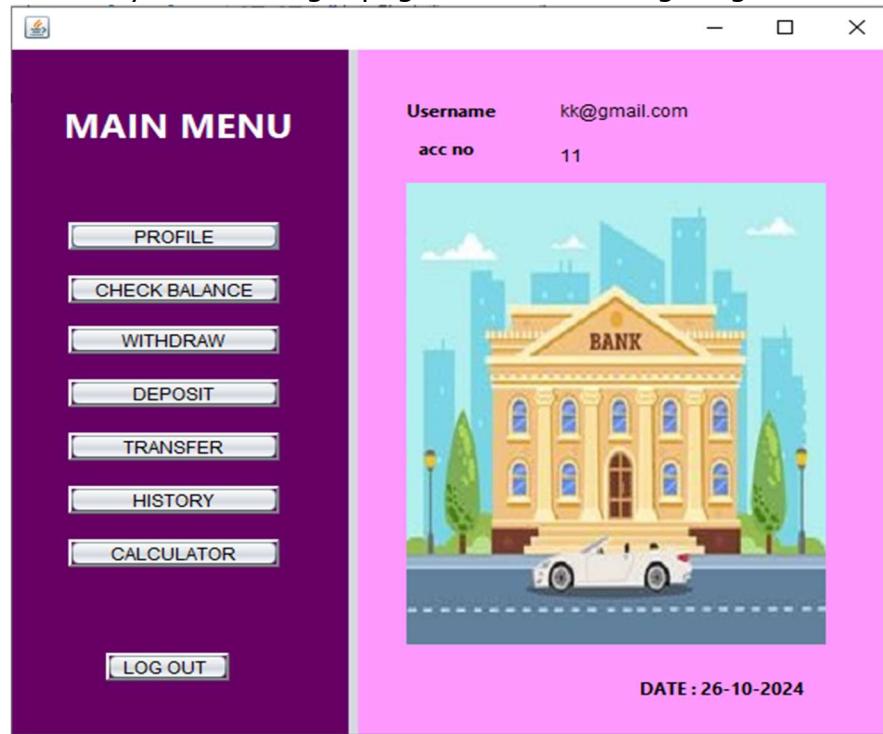
- here u can see I want to see all the deposit details so only data of transaction type deposit occurred.
- Next option is calculation on home page where u can calculate any calculation you want .

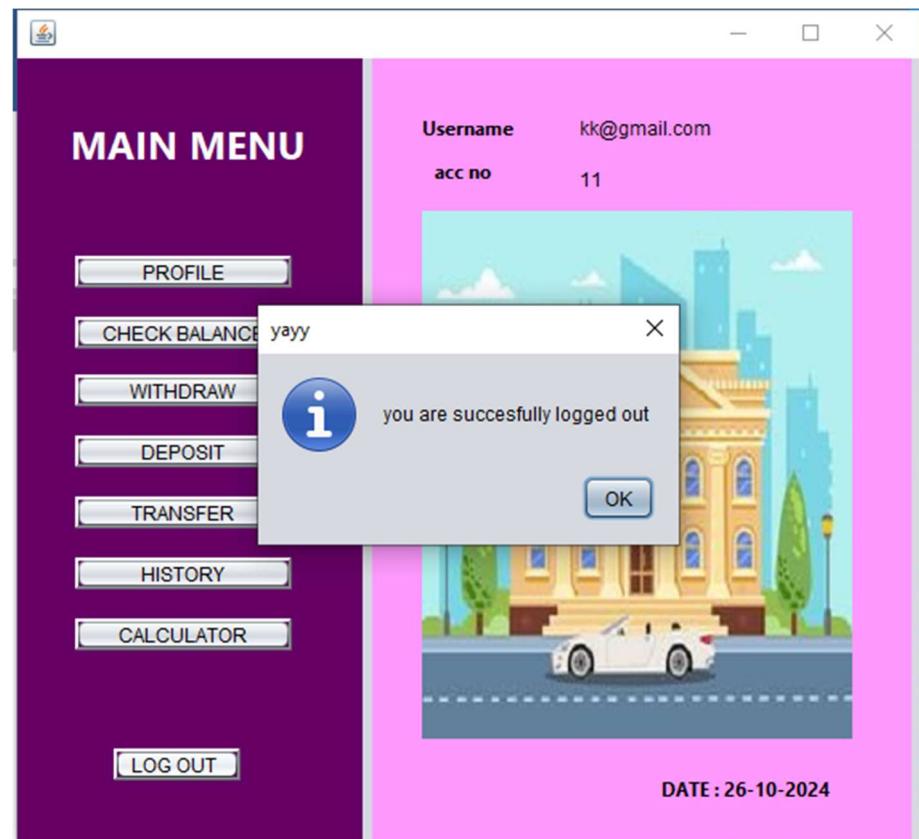
**CALCULATOR**

username	kk@gmail.com		
accon	11		
<input type="text"/>	ans	<b>CLEAR</b>	
<b>DELETE</b>	<b>+</b>		
<b>7</b>	<b>8</b>	<b>9</b>	<b>-</b>
<b>4</b>	<b>5</b>	<b>6</b>	<b>÷</b>
<b>1</b>	<b>2</b>	<b>3</b>	<b>*</b>
<b>0</b>	<b>.</b>	<b>=</b>	<b>%</b>
<b>back to home</b>			

- So, these are the features of the customer login .
- When you don with your work make sure to logout ,by clicking on logout button

- It will ask u confirmation whether u want to logout or not .
- Then click on yes and a login page will occur to login again.





The Login Form window has a light gray header with the text "ENTER YOUR USERNAME AND PASSWORD" in green. The main body contains two input fields: "Username" and "Password", each with a corresponding label and an empty text input box. Below the password field is a "login" button. At the bottom of the window are two buttons: "Sign up" on the left and "back to start" on the right.

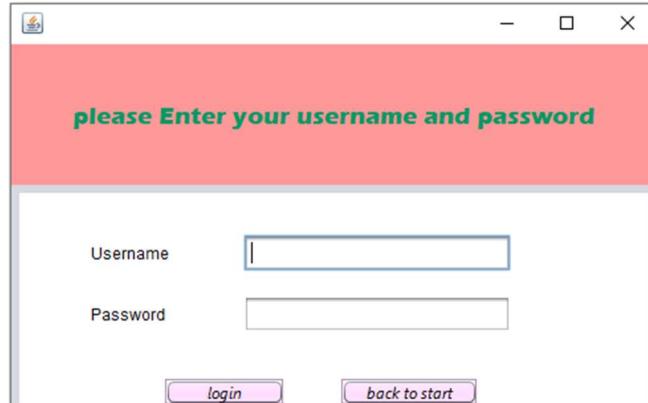
Username	<input type="text"/>
Password	<input type="password"/>
<input type="button" value="login"/>	
<input type="button" value="Sign up"/>	<input type="button" value="back to start"/>

# For ADMIN

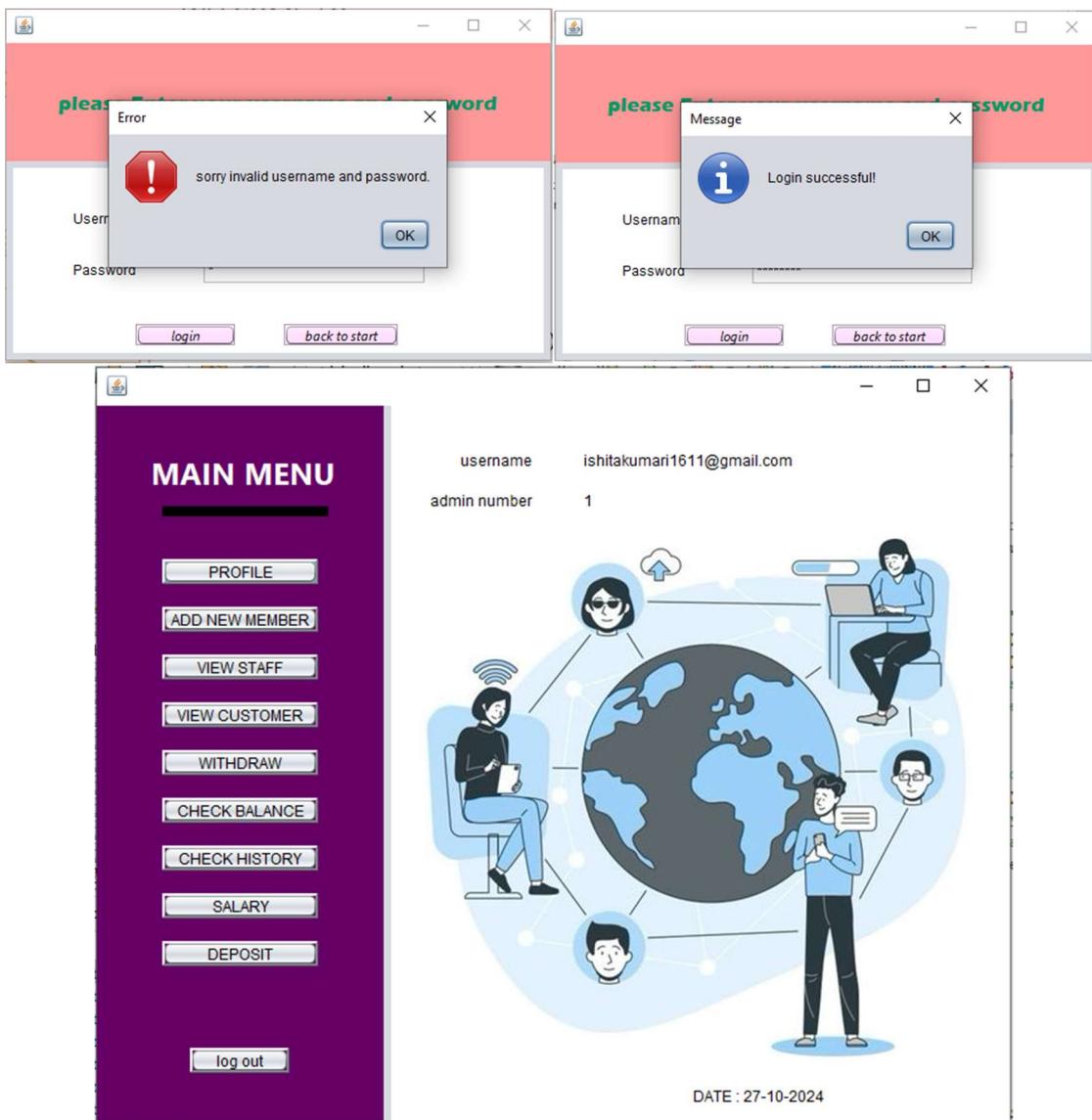
- Welcome page



- On clicking admin login button login page occurs.



- On clicking back to start button , you will redirect on the welcome page as shown above .
- by any chance you entered the wrong username and password a popup will be shown like below.
- now click ok and again enter the correct username and password and click the login button , u will be directed to the menu home page .



- As you enter the menu home page u can see many options .firstly for our info or details click on the profile button.
- As you can see here are your details and from here clicking on back to home button will take you towards the menu home page . Here you can see the update button , on clicking it you can update your info as shown below.
- Clicking on back to home it will redirect to your home page and after submitting a pop up will be shown of updated successfully , your info will get updated and your profile page will occur as shown above and after clicking

The image displays four windows of a Windows application, likely a Java Swing application, illustrating the process of updating user information.

**Top Left Window (Admin Details):**

**Top Right Window (Update):**

**Bottom Left Window (Update):**

**Bottom Right Window (Admin Details):**

**Data Flow:**

- The user starts at the "ADMIN DETAILS" screen (Top Left), viewing details for "NAME: ishita".
- The user navigates to the "UPDATE" screen (Top Right) by clicking "back to home".
- The user edits the "NAME" field to "ishita" and other fields like "PHONE NO", "FATHER'S NAME", etc., remain the same.
- The user clicks "SUBMIT" on the "UPDATE" screen.
- A confirmation message box ("Message") appears stating "updated successfully" with an "OK" button.
- The user returns to the "ADMIN DETAILS" screen (Bottom Right) to verify the changes.
- The updated details are now displayed on the "ADMIN DETAILS" screen, showing "NAME: ishita" and other fields reflecting the changes made during the update process.

- On the home page the next option is add new member.

**NEW MEMBER**

username ishitakumari1611@gmail.com  
Admin no 1

NAME   
PHONE NO   
FATHER'S NAME   
ADHAAR NO   
ADDRESS   
PIN CODE   
STATE   
EMAIL ADDRESS   
PASSWORD   
DEPARTMENT

**SUBMIT** **back to home**

**NEW MEMBER**

username ishitakumari1611@gmail.com  
Admin no 1

NAME  abc  
PHONE NO  9090909090  
FATHER'S NAME   
ADHAAR NO   
ADDRESS   
PIN CODE  123222  
STATE  mp  
EMAIL ADDRESS  abc@gmail.com  
PASSWORD  \*\*\*\*\*  
DEPARTMENT  accountant

**Woops**  
Password should be minimum 8 characters long

**OK**

**SUBMIT** **back to home**

**NEW MEMBER**

username ishitakumari1611@gmail.com  
Admin no 1

NAME  abc  
PHONE NO  9090909090  
FATHER'S NAME   
ADHAAR NO   
ADDRESS   
PIN CODE  123212  
STATE  bcd  
EMAIL ADDRESS  abc@gmail.com  
PASSWORD  \*\*\*\*\*  
DEPARTMENT  accountant

**i** new member added successfully

**OK**

**SUBMIT** **back to home**

- Next is view staff members where you can view the staff members and adjacent to that is view members where you can see all the people that are having account in GBI BANK.

**USER DATA**

ACC NO	NAME	PHONE	FATHER	ADDRESS	ADHAAR	PINCODE	STATE	EMAIL	BALANCE
1	ishita	7988633501	yogesh kumar	#26 kailash...	5444110979...	134003	haryana	ishitakumari...	admin
2	ayisha	1231231232	avish	agra	1234123412...	134004	haryana	1	user
3	a	1231231231	a	a	1234123412...	123123	a	avi@gmail.c...	admin
4	kalpana	7676767676	fhdjs	fjs djfhjs	5656565656...	777777	haryana	k	user
6	abc	9090909090	abcd	ab	1234567898...	123212	bcd	abc@gmail....	user

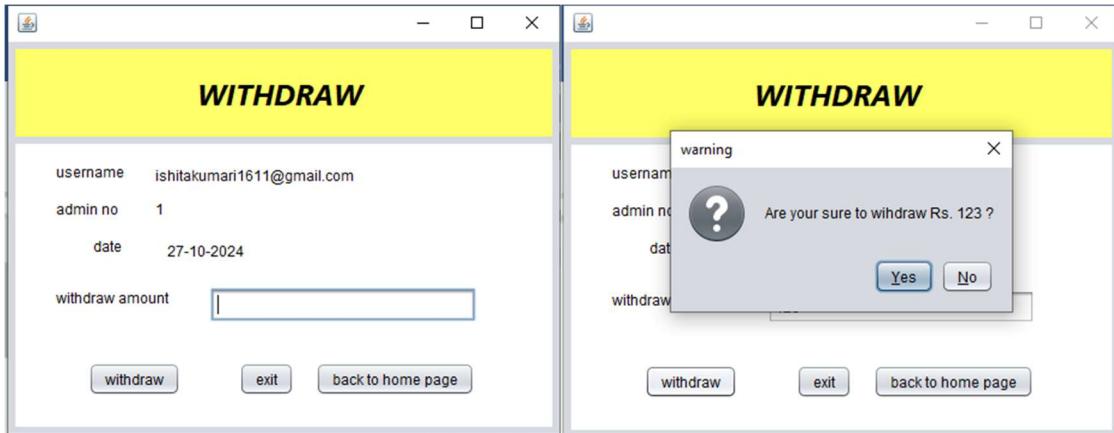
[EDIT](#) [back to home](#) [DELETE](#)

**USER DATA**

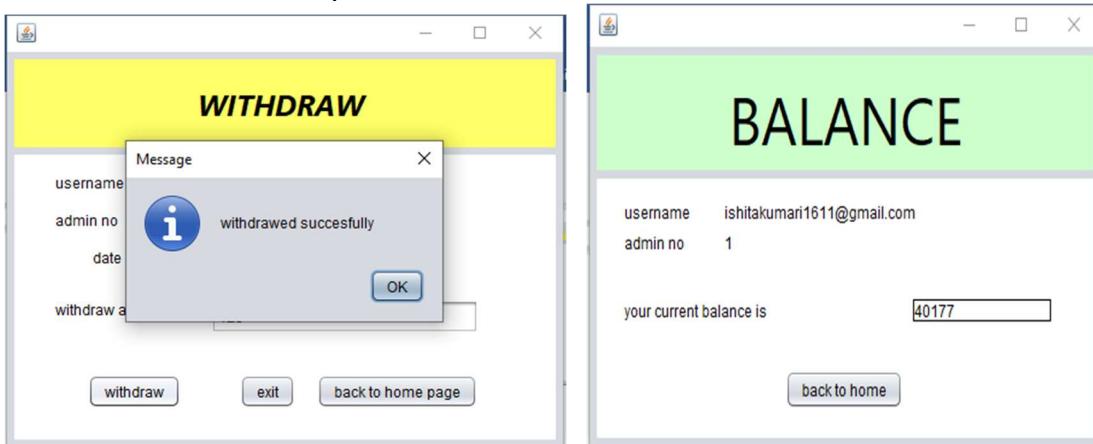
ACC NO	NAME	PHONE	FATHER	ADDRESS	ADHAAR	PINCODE	STATE	EMAIL	BALANCE
22	shalu	98369267	dhiulsjxnj	1234123412...	35jdymddjk	123456	haryana	ishitakmatruf...	8900
2	sihita	2358745655	sedhksh	1234567898...	xvjhkbdbvhj...	333333	xkdhbvh	bfdhj	2000
23	mona	9416145007	nigam	1234321112...	26 kailash n...	134003	haryana	monalizaishi...	4500
11	isha	1010101010	dhsj	6666666666...	hkjhk	666666	nmb	kk@gmail.co...	2300
14	ishita	9416010802	yogesh kumar	5444111097...	26 kailash n...	134003	haryana	sihita@gmai...	5000
18	ishita	7634976876	yohesh kumar	3258263526	nsldhjckuh...	545455	haryana	jsdgcfkuckeu	2000
19	ishitakudsc	siyfcuashn	isrycoius	asvhyaoishd	usyfcius	skvcsd	hcnds	usrvcusdhn	2000
21	ishu	1234567890	yogesh	1234533223...	sflijsnfceufjn	111111	ndfcljsne	wqhdjwen	2000
24	iiii	1232281798	yohgjsghdgh	1231231231...	jciudsnc,sjd	124726	haryana	kjdhlfieuwifd...	30000
25	kk	1212121212	j	4444444444...	h	444444	ih	h	3700
26	rehaan	9876543210	yogesh kumar	9898767654...	26 kailash n...	567567	haryana	yourbroreha...	4000
27	Ishita kumari	7988633501	Yogesh kum...	5444110979...	#26kailash ...	134003	Haryana	ishitakumari...	347000
28	mona liza	9416145007	b p nigam	1234567890...	26 kailash n...	134003	haryana	m@gmail.co...	5678
29	jyoti	8168045721	om	2356876534...	kr	236119	haryana	jyotitamak103	150
30	abc	1234	yoge	125765825	hsafyuh	5865	yfiyutgg	rs	2800
31	Gungun	7497006182	Vishal Vaish	1234	#148A kabir ...	134003	Haryana	gungunvaish...	2000
32	jonny bhatia	9876543210	deepak bhatia	5656787845...	45 laxmi nag...	123123	haryana	jb	3000
33	Rohit	9034326877	Mukesh kum...	7890654323...	45, Ram Na...	134003	Haryana	rohit@gmail....	0
35	kk	4555555555	j	5555555555...	j	666666	h	h	26000

[EDIT](#) [back to home](#) [DELETE](#)

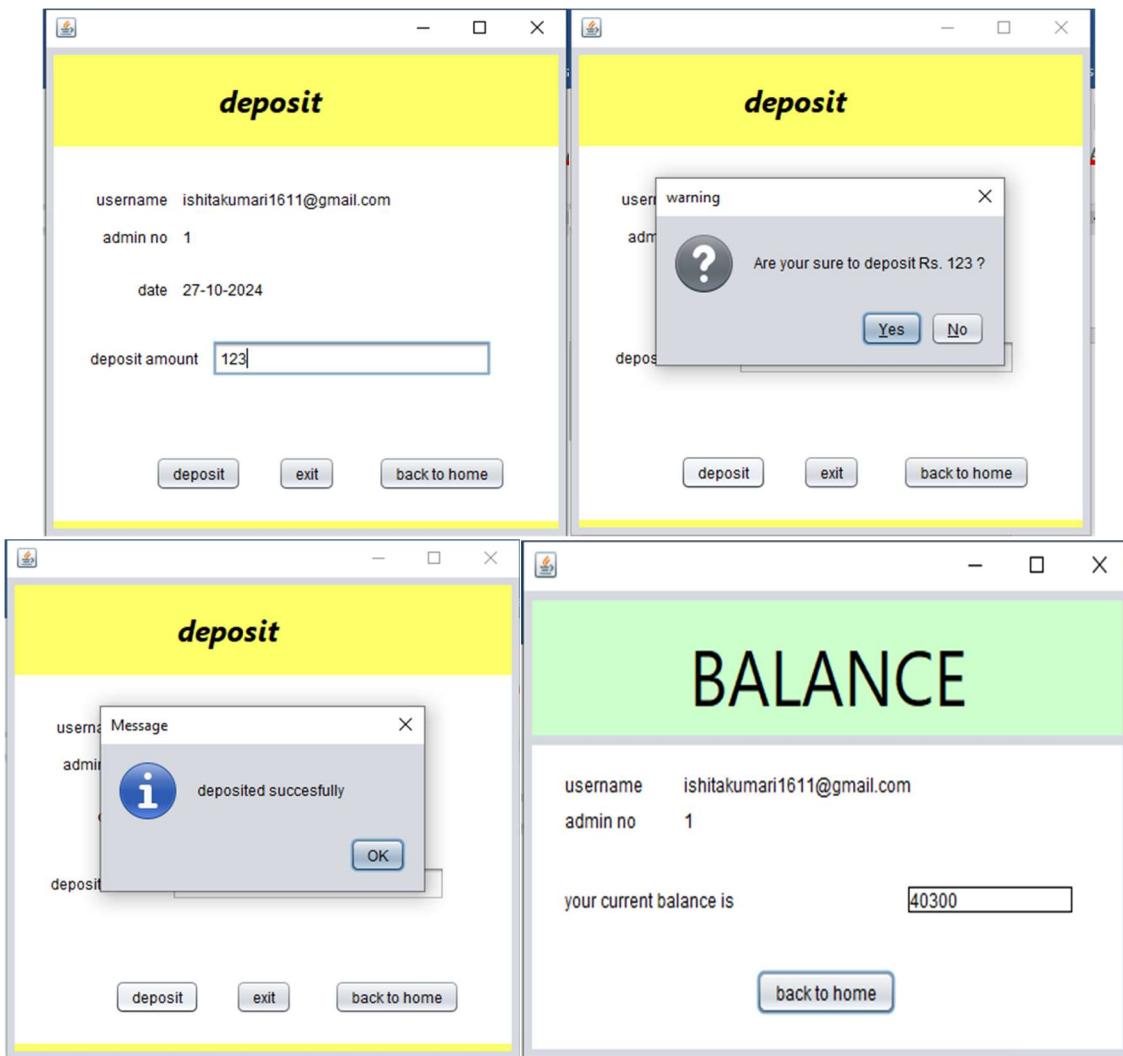
- You can see these delete and edit option only if you're an admin , otherwise if you a worker or a colleague . hence, I am the developer and the admin of this project so these features are only visible to me.
- Back to menu home, next button is withdraw where we can withdraw our money.
- As we can see there are three options withdraw , exit and back to home page



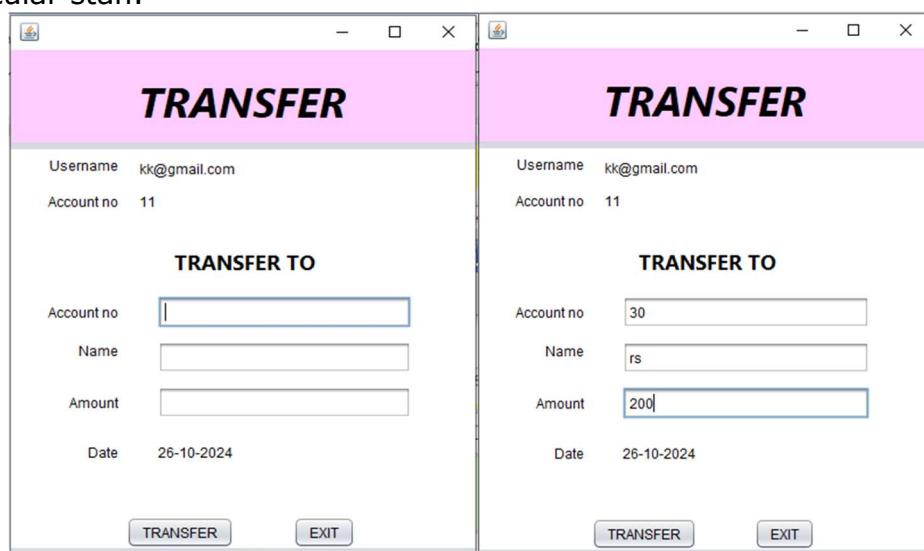
- Exit button will clear the text box of amount .
- After entering the amount click the withdraw button , it will first ask u confirmation that whether you really want to withdraw the amount or not.
- On clicking no it will take you to the home page .
- Click the yes button for a successful withdrawal.
- After clicking ok your balance sheet will appear where you can see your current amount in your account

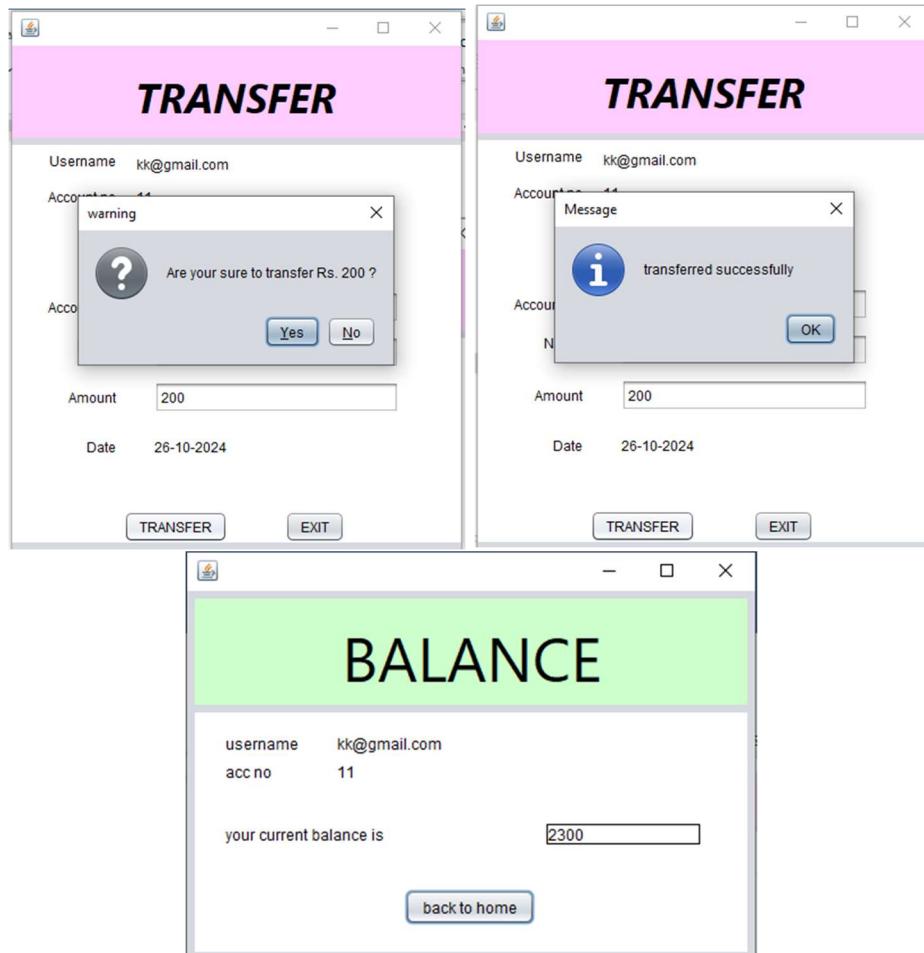


- Now get back to home , next is deposit .
- Enter the amount and click deposit to deposit the amount in your account.



- On clicking salary button on the home page, you can send the salary to the particular staff.





- Next is your history of your transaction.

TRANSACTION HISTORY					
username		admin_no		1	
date	all	admin_no	date	to admin no	amount
1	09-10-2024	2	1	29800	transfer
1	17-10-2024	1	2	200	WITHDRAW
1	17-10-2024	1	3	123	deposit
1	17-10-2024	3	1	30000	transfer
1	18-10-2024	1	2	2	deposit
1	18-10-2024	1	2	23	deposit
1	18-10-2024	1	1	7000	WITHDRAW
1	18-10-2024	1	1	7000	WITHDRAW
2	18-10-2024	2	2	800	WITHDRAW
2	18-10-2024	2	2	4000	WITHDRAW
2	18-10-2024	2	2	2000	WITHDRAW
2	18-10-2024	2	2	300	WITHDRAW
2	18-10-2024	2	1	700	WITHDRAW
1	23-10-2024	1	1	83	WITHDRAW
1	27-10-2024	1	1	123	WITHDRAW
1	28-10-2024	1	1	123	WITHDRAW

- Here you can select your requirements whatever you want to see . then click submit button to apply the filter.

TRANSACTION HISTORY																																																						
username		admin_no																																																				
date		18-10-2024																																																				
account_no		all																																																				
Transaction type		all																																																				
<input type="button" value="SUBMIT"/>																																																						
<input type="button" value="BACK TO HOME"/>																																																						
<table border="1"> <thead> <tr> <th>admin_no</th><th>date</th><th>to admin no</th><th>amount</th><th>type</th></tr> </thead> <tbody> <tr><td>2</td><td>18-10-2024</td><td>2</td><td>700</td><td>WITHDRAW</td></tr> <tr><td>2</td><td>18-10-2024</td><td>2</td><td>300</td><td>WITHDRAW</td></tr> <tr><td>2</td><td>18-10-2024</td><td>2</td><td>2000</td><td>WITHDRAW</td></tr> <tr><td>2</td><td>18-10-2024</td><td>2</td><td>4000</td><td>WITHDRAW</td></tr> <tr><td>2</td><td>18-10-2024</td><td>2</td><td>800</td><td>WITHDRAW</td></tr> <tr><td>1</td><td>18-10-2024</td><td>1</td><td>7000</td><td>WITHDRAW</td></tr> <tr><td>1</td><td>18-10-2024</td><td>1</td><td>7000</td><td>WITHDRAW</td></tr> <tr><td>1</td><td>18-10-2024</td><td>1</td><td>23</td><td>deposit</td></tr> <tr><td>1</td><td>18-10-2024</td><td>1</td><td>2</td><td>deposit</td></tr> </tbody> </table>					admin_no	date	to admin no	amount	type	2	18-10-2024	2	700	WITHDRAW	2	18-10-2024	2	300	WITHDRAW	2	18-10-2024	2	2000	WITHDRAW	2	18-10-2024	2	4000	WITHDRAW	2	18-10-2024	2	800	WITHDRAW	1	18-10-2024	1	7000	WITHDRAW	1	18-10-2024	1	7000	WITHDRAW	1	18-10-2024	1	23	deposit	1	18-10-2024	1	2	deposit
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1	18-10-2024	1	2	deposit																																																		

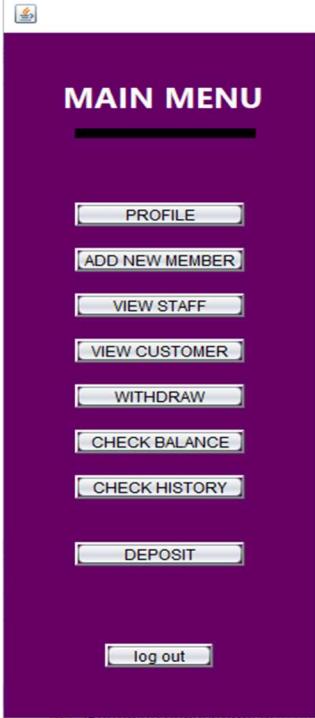
- For logging out click the logout button , click yes and u will be directed to the login page.

The screenshots illustrate the user flow for logging out:

- Transaction History Page:** Shows transaction details for admin\_no 1 on 18-10-2024. Filters include date (18-10-2024), account\_no (all), and Transaction type (all). Buttons: SUBMIT, BACK TO HOME.
- Main Menu (Log Out Confirmation):** Shows a warning dialog asking "Do you really want to log out?". Buttons: Yes, No.
- Main Menu (Success Log Out):** Shows a success message "you are successfully logged out". Buttons: OK.
- Login Page:** A separate window titled "please Enter your username and password" with fields for Username and Password, and buttons for login and back to start.

- Here in admin case, I have logged in as admin of the staff too. But when I login in as a staff member some features are not accessible to me due to some security reasons like the salary option. And delete and edit option in the view staff and view customer.

- Else everything is the same as admin.



**MAIN MENU**

- [PROFILE](#)
- [ADD NEW MEMBER](#)
- [VIEW STAFF](#)
- [VIEW CUSTOMER](#)
- [WITHDRAW](#)
- [CHECK BALANCE](#)
- [CHECK HISTORY](#)
- [DEPOSIT](#)

[log out](#)

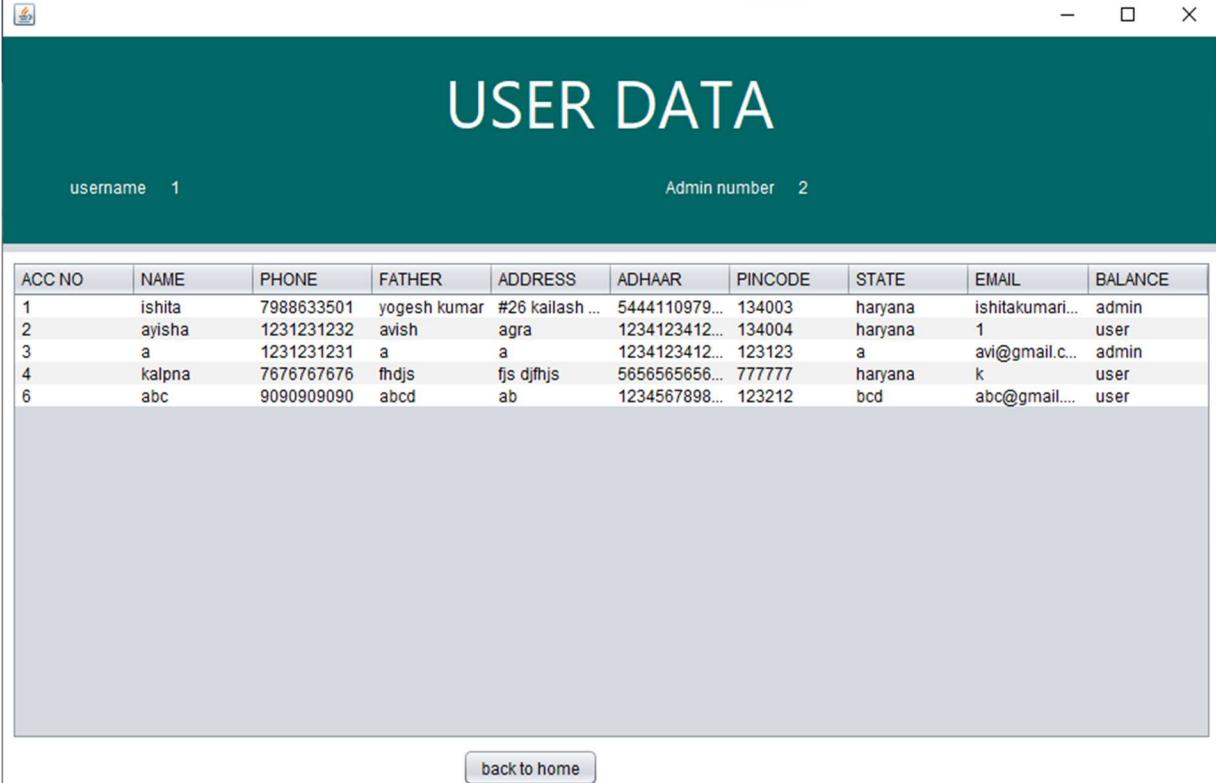
username      1  
admin number      2

user



A central globe is surrounded by five stylized human figures of different ethnicities, each connected by lines to the globe. The figures are sitting at desks with laptops or holding tablets. One figure is standing. The background is light blue with small white dots representing a network.

DATE : 28-10-2024



## USER DATA

ACC NO	NAME	PHONE	FATHER	ADDRESS	ADHAAR	PINCODE	STATE	EMAIL	BALANCE
1	ishita	7988633501	yogesh kumar	#26 kailash ...	5444110979...	134003	haryana	ishitakumari...	admin
2	ayisha	1231231232	avish	agra	1234123412...	134004	haryana	1	user
3	a	1231231231	a	a	1234123412...	123123	a	avi@gmail.c...	admin
4	kalpana	7676767676	fhdjs	fjs djfhjs	5656565656...	777777	haryana	k	user
6	abc	9090909090	abcd	ab	1234567898...	123212	bcd	abc@gmail....	user

[back to home](#)

**USER DATA**

username	1	Admin number	2						
ACC NO	NAME	PHONE	FATHER	ADDRESS	ADHAAR	PINCODE	STATE	EMAIL	BALANCE
22	shalu	98369267	dhiulsjnj	1234123412...	35jdjimddjk	123456	haryana	ishitakmatruf...	8900
2	sihita	2358745655	sedhksh	1234567898...	xkjhkbdbvhjb...	333333	xkdhbvh	bfdhj	2000
23	mona	9416145007	nigam	1234321112...	26 kailash n...	134003	haryana	monalizaishi...	4500
11	isha	1010101010	dhsj	6666666666...	hkjhk	666666	nmb	kk@gmail.co...	2300
14	ishita	9416010802	yogesh kumar	5444111097...	26 kailash n...	134003	haryana	sihita@gmai...	5000
18	ishita	7634976876	yohesh kumar	3258263526	nsldhjckuh...	545455	haryana	jsdgcfuckeu	2000
19	ishitakudsc	siyfcuashn	isryvcoius	asvhyaoisdh	usyfcius	skvcsd	hcnds	usryvcusdhn	2000
21	ishu	1234567890	yogesh	1234533223...	sfjlsnfceufjn	111111	ndfcjsne	wghdjwen	2000
24	iiii	1232281798	yohgjsgdhg	1231231231...	jciudsnc,sjd	124726	haryana	kjdhflfuewfld...	30000
25	kk	1212121212	j	4444444444...	h	444444	ih	h	3700
26	rehaan	9876543210	yogesh kumar	9898767654...	26 kailash n...	567567	haryana	yourbroreha...	4000
27	Ishita kumari	7988633501	Yogesh kum...	5444110979...	#26kailash ...	134003	Haryana	ishitakumari...	347000
28	mona liza	9416145007	b p nigam	1234567890...	26 kailash n...	134003	haryana	m@gmail.co...	5678
29	jyoti	8168045721	om	2356876534...	kkk	236119	haryana	jyotitamak103	150
30	abc	1234	yoge	125765825	hsafyuh	5865	yfijutgg	rs	2800
31	Gungun	7497006182	Vishal Vaish	1234	#148A kabir ...	134003	Haryana	gungunvaish...	2000
32	jonny bhatia	9876543210	deepak bhatia	5656787845...	45 laxmi nag...	123123	haryana	jb	3000
33	Rohit	9034326877	Mukesh kum...	7890654323...	45, Ram Na...	134003	Haryana	rohit@gmail....	0
35	kk	4555555555	j	5555555555...	j	666666	h	h	26000

[back to home](#)

# MYSQL DATABASE DATA

The screenshot shows the phpMyAdmin interface for a MySQL server (version 3.306). The current database selected is 'profile'. The left sidebar lists various databases. The main content area shows a table structure with four rows. At the bottom, a 'Create new table' dialog is open, prompting for a table name (currently empty) and the number of columns (set to 4).

Table	Action	Rows	Type	Collation	Size	Overhead
admin	<span>Browse</span> <span>Structure</span> <span>Search</span> <span>Insert</span> <span>Empty</span> <span>Drop</span>	4	MyISAM	utf8mb4_unicode_ci	2.6 KiB	64 B
administrory	<span>Browse</span> <span>Structure</span> <span>Search</span> <span>Insert</span> <span>Empty</span> <span>Drop</span>	21	InnoDB	latin1_swedish_ci	16.0 KiB	-
dashboard	<span>Browse</span> <span>Structure</span> <span>Search</span> <span>Insert</span> <span>Empty</span> <span>Drop</span>	21	MyISAM	utf8mb4_unicode_ci	4.4 KiB	-
transaction	<span>Browse</span> <span>Structure</span> <span>Search</span> <span>Insert</span> <span>Empty</span> <span>Drop</span>	35	InnoDB	latin1_swedish_ci	16.0 KiB	-

4 tables Sum

With selected:

Print Data dictionary

Create new table

Table name:  Number of columns:  Create

So, the first table is the admin table from the database profile.

admin_no	name	phone_no	father	address	adhaar	pincode	state	email	password	usertype	department	balance
1	ishita	7988633501	yogesh kumar	#26 kailash nagar modal town ambala city	544411097911	134003	haryana	ishitakumari1611@gmail.com	ishita@1	admin	developer	10010000
2	ayisha	1231231232	avish	agra	123412341234	134004	haryana	1	1	user	manager	22012
3	a	1231231231	a	a	123412341234	123123	a	avi@gmail.com	12345678	admin	a	30000
4	kalpana	7676767676	fndjs	fjs djfnjs	565656565656	777777	haryana	k	K1234567	user	sale	30200

Next table is of admin history of transactions

s.no	admin_no	date	to_admin_no	amount	type
1	1	09-10-2024	2	29800	transfer
2	1	17-10-2024	1	200	WITHDRAW
3	1	17-10-2024	1	123	deposit
4	1	17-10-2024	3	30000	transfer
5	1	18-10-2024	1	2	deposit
6	1	18-10-2024	1	23	deposit
7	1	18-10-2024	1	7000	WITHDRAW
9	1	18-10-2024	1	7000	WITHDRAW
10	2	18-10-2024	2	800	WITHDRAW
11	2	18-10-2024	2	4000	WITHDRAW
12	2	18-10-2024	2	2000	WITHDRAW
13	2	18-10-2024	2	300	WITHDRAW
14	2	18-10-2024	2	700	WITHDRAW
15	1	23-10-2024	1	83	WITHDRAW
16	1	27-10-2024	1	123	WITHDRAW
17	1	28-10-2024	1	123	WITHDRAW
18	1	28-10-2024	1	123	deposit
19	2	28-10-2024	2	12	deposit
20	1	10-11-2024	1	100	WITHDRAW
21	1	15-11-2024	4	200	TRANSFER
22	1	23-11-2024	1	10000000	deposit

Below is the table named dashboard having all the details of the customers.

Account_no	name	phone	father	adhaar	address	pincode	state	email	password	confirmpassword	balance
22 shalu	98389267	dhiulsjxnj	123412341234	35dyimddjk	123456	haryana	ishitakmatrif@gsiunme	56	56	8000	
2 sihita	2358745655	sedhksh	123456789876	xkvjhkbvhjbdkh	333333	xkdhbhv	bfdhj	123456	123456	2000	
23 mona	9416145007	nigam	123432111234	26 kailash nagar modal town ambala city	134003	haryana	monalaizisha@gmail.com	mona@1	mona@1	4500	
36 ishita	8989898989	yogesh kumar	123412341234	abc	134003	Haryana	abo@gmail.com	12345678	12345678	1960	
11 isha	1010101010	dhsj	666666666666	hkjhk	666666	nmb	kk@gmail.com	12345678	123	2300	
14 ishita	9416010802	yogesh kumar	544411109791	26 kailash nagar	134003	haryana	sihita@gmail.com	ishita	ishita	5000	
18 ishita	7634976876	yohesh kumar	3258263526	nsldhjckuhodkjsho	545455	haryana	jsdgcfcukceu	ishita	ishita	2000	
38 ravneet kaur	7878787878	davinder singh	456745674567	32A kansi nagar	134003	haryana	ravneet@gmail.com	ravneet1	ravneet1	2000	
21 ishu	1234567890	yogesh	123453322344	sfjlsnfceufjn	111111	ndfcjsne	wqhdjwen	1232	1232	2000	
24 iii	1232281798	yohgjsghdgh	123123123123	joiudsnc,sjd	124726	haryana	kjdhfluewfldnewj	123	123	30000	
25 kk	1212121212	j	444444444444	h	444444	ih	h	12345678	1	3700	
26 rehaan	9876543210	yogesh kumar	989876765454	26 kailash nagar model town ambala city	567567	haryana	yourbrorehaan@gmail.com	rehaan@1	rehaan@1	4000	
27 Ishita kumari	7988633501	Yogesh kumar	544411097910	#26kailash nagar modal town ambala city	134003	Haryana	ishitakumari1611@gmail.com	ishita@1	ishita@1	10346580	
28 mona liza	9416145007	b p nigam	123456789012	26 kailash nagar	134003	haryana	m@gmail.com	1234	1234	5678	
29 jyoti	8168045721	om	23587653409	kkr	236119	haryana	jyotitamak103	123	123	150	
30 abc	1234	yoge	125765825	hsafyuh	5865	yfijutgg	rs	rs	rs	3800	
31 Gungun	7497006182	Vishal Vaish	1234	#148A kabir nagar	134003	Haryana	gungunvaish3@gmail.com	Gungun29@	Gungun29@	2000	
32 jonyy bhatia	9876543210	deepak bhatia	585678784545	45 laxmi nagar	123123	haryana	jb	123	123	3000	
33 Rohit	9034326877	Mukesh kumar	789065432345	45, Ram Nagar	134003	Haryana	rohit@gmail.com	123	123	0	
35 kk	4555555555	j	555555555555	j	666666	h	h	h1234567	h1234567	26000	
37 ishita kumari	9098877660	yogesh kumar	989898989898	#47-A saraswati nagar , ambala city	134003	haryana	ishita@gmail.com	ishita@1	ishita@1	2360	

Next is the table of all the transactions made by all the customers

s.no	account_no	Transaction_type	date	amount	to_account_no
1	27	WITHDRAW	09-10-2024	300	27
2	27	deposit	09-10-2024	4050	27
3	27	TRANSFER	09-10-2024	8678	30
4	27	deposit	09-10-2024	21	27
5	27	deposit	09-10-2024	27	27
6	25	WITHDRAW	17-10-2024	244	25
7	25	WITHDRAW	17-10-2024	56	25
8	25	WITHDRAW	17-10-2024	700	25
9	25	deposit	17-10-2024	500	25
10	25	deposit	17-10-2024	500	25
11	25	TRANSFER	17-10-2024	100	30
12	25	TRANSFER	17-10-2024	200	30
13	27	WITHDRAW	18-10-2024	20	27
14	27	deposit	18-10-2024	400	27
15	27	TRANSFER	18-10-2024	300	30
16	35	WITHDRAW	18-10-2024	2000	35
17	35	deposit	18-10-2024	5000	35
18	27	WITHDRAW	23-10-2024	48	27
19	11	deposit	25-10-2024	2000	11
20	11	WITHDRAW	26-10-2024	500	11
21	11	deposit	26-10-2024	1000	11
22	11	deposit	26-10-2024	200	11
23	11	TRANSFER	26-10-2024	200	30
24	36	WITHDRAW	10-11-2024	600	36
25	36	deposit	10-11-2024	400	36

# CODE OF THE PROJECT

## WELCOME PAGE

```
package banking;

import banking.admin.adminlogin;
import banking.customer.login;

public class welcome extends javax.swing.JFrame {

    public welcome() {
        initComponents();
    }

    @SuppressWarnings("unchecked")
    // <editor-fold defaultstate="collapsed" desc="Generated Code">
    private void initComponents() {

        jPopupMenu1 = new javax.swing.JPopupMenu();
        jPanel1 = new javax.swing.JPanel();
        jLabel1 = new javax.swing.JLabel();
        jPanel2 = new javax.swing.JPanel();
        jLabel3 = new javax.swing.JLabel();
        jButton3 = new javax.swing.JButton();
        jButton4 = new javax.swing.JButton();

        setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);

        jPanel1.setBackground(new java.awt.Color(255, 204, 204));

        jLabel1.setFont(new java.awt.Font("Segoe UI", 0, 24)); // NOI18N
        jLabel1.setText("WELCOME TO ");

        jLabel3.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);
        jLabel3.setIcon(new javax.swing.ImageIcon(getClass().getResource("/banking/cbi
(Tags).png"))); // NOI18N
        jLabel3.setIconTextGap(5);
        jLabel3.setMaximumSize(new java.awt.Dimension(270, 329));
        jLabel3.setMinimumSize(new java.awt.Dimension(275, 329));
        jLabel3.setName(""); // NOI18N
        jLabel3.setPreferredSize(new java.awt.Dimension(235, 196));

        javax.swing.GroupLayout jPanel2Layout = new javax.swing.GroupLayout(jPanel2);
        jPanel2.setLayout(jPanel2Layout);
        jPanel2Layout.setHorizontalGroup(
            jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                .addGroup(jPanel2Layout.createSequentialGroup()
                    .addGap(0, 0, 0)
                    .addComponent(jLabel3, javax.swing.GroupLayout.PREFERRED_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
                    .addGap(0, 0, 0))
        );
        jPanel2Layout.setVerticalGroup(
            jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                .addGroup(jPanel2Layout.createSequentialGroup()
                    .addGap(0, 0, 0)
                    .addComponent(jLabel3, javax.swing.GroupLayout.PREFERRED_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
                    .addGap(0, 0, 0))
        );

        javax.swing.GroupLayout layout = new javax.swing.GroupLayout(this);
        this.setLayout(layout);
        layout.setHorizontalGroup(
            layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                .addGroup(layout.createSequentialGroup()
                    .addGap(0, 0, 0)
                    .addComponent(jPanel1, javax.swing.GroupLayout.PREFERRED_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
                    .addGap(0, 0, 0))
        );
        layout.setVerticalGroup(
            layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                .addGroup(layout.createSequentialGroup()
                    .addGap(0, 0, 0)
                    .addComponent(jPanel1, javax.swing.GroupLayout.PREFERRED_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
                    .addGap(0, 0, 0))
        );
    }

    // Variables declaration - do not modify//GEN-BEGIN:variables
    private javax.swing.JButton jButton3;
    private javax.swing.JButton jButton4;
    private javax.swing.JLabel jLabel1;
    private javax.swing.JLabel jLabel3;
    private javax.swing.JPanel jPanel1;
    private javax.swing.JPanel jPanel2;
    private javax.swing.JPopupMenu jPopupMenu1;
    // End of variables declaration//GEN-END:variables
}
```

```

.addComponent(jLabel3, javax.swing.GroupLayout.PREFERRED_SIZE, 674,
javax.swing.GroupLayout.PREFERRED_SIZE)
.addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))
);
jPanel2Layout.setVerticalGroup(
    jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addGroup(jPanel2Layout.createSequentialGroup()
        .addContainerGap()
        .addComponent(jLabel3, javax.swing.GroupLayout.PREFERRED_SIZE, 320,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))
);
jButton3.setText("ADMIN LOGIN");
jButton3.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jButton3ActionPerformed(evt);
    }
});
jButton4.setText("CUSTOMER LOGIN");
jButton4.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jButton4ActionPerformed(evt);
    }
});
javax.swing.GroupLayout jPanel1Layout = new javax.swing.GroupLayout(jPanel1);
jPanel1.setLayout(jPanel1Layout);
jPanel1Layout.setHorizontalGroup(
    jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
jPanel1Layout.createSequentialGroup()
    .addGap(0, 0, Short.MAX_VALUE)
    .addComponent(jLabel1)
    .addGap(279, 279, 279))
    .addGroup(jPanel1Layout.createSequentialGroup()
        .addGap(0, 0, Short.MAX_VALUE)
        .addComponent(jPanel2, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))
    .addGroup(jPanel1Layout.createSequentialGroup()
        .addGap(155, 155, 155)
        .addComponent(jButton3)
        .addGap(130, 130, 130)
        .addComponent(jButton4)))
);

```

```

        .addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))
    );
    jPanel1Layout.setVerticalGroup(
        jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
    jPanel1Layout.createSequentialGroup()
        .addGap(16, 16, 16)
        .addComponent(jLabel1)
        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
        .addComponent(jPanel2, javax.swing.GroupLayout.PREFERRED_SIZE,
    javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)
    .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
        .addComponent(jButton3)
        .addComponent(jButton4))
        .addContainerGap(9, Short.MAX_VALUE))
    );
}

javax.swing.GroupLayout layout = new javax.swing.GroupLayout(getContentPane());
getContentPane().setLayout(layout);
layout.setHorizontalGroup(
    layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(layout.createSequentialGroup()
            .addGap(10, 10, 10)
            .addComponent(jPanel1, javax.swing.GroupLayout.PREFERRED_SIZE,
    javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
            .addGap(10, 10, 10)
        )
        .addGroup(layout.createSequentialGroup()
            .addGap(10, 10, 10)
            .addComponent(jPanel2, javax.swing.GroupLayout.PREFERRED_SIZE,
    javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
            .addGap(10, 10, 10)
        )
    );
    layout.setVerticalGroup(
        layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(layout.createSequentialGroup()
                .addGap(10, 10, 10)
                .addComponent(jPanel1, javax.swing.GroupLayout.PREFERRED_SIZE,
    javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
                .addGap(10, 10, 10)
            )
            .addGroup(layout.createSequentialGroup()
                .addGap(10, 10, 10)
                .addComponent(jPanel2, javax.swing.GroupLayout.PREFERRED_SIZE,
    javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
                .addGap(10, 10, 10)
            )
        );
    );
}

pack();
}// </editor-fold>

private void jButton3ActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
    try {
        adminlogin al = new adminlogin();
        al.setVisible(true);
        dispose();
    } catch (Exception e) {
        System.out.println(e);
    }
}

```

```

        }

    }

private void jButton4ActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
    try {
        login l = new login();
        l.setVisible(true);
        dispose();
    } catch (Exception e) {
        System.out.println(e);
    }
}

/**
 * @param args the command line arguments
 */
public static void main(String args[]) {
    /* Set the Nimbus look and feel */
    //<editor-fold defaultstate="collapsed" desc=" Look and feel setting code (optional)
">
    /* If Nimbus (introduced in Java SE 6) is not available, stay with the default look and
feel.
     * For details see
http://download.oracle.com/javase/tutorial/uiswing/lookandfeel/plaf.html
    */
    try {
        for (javax.swing.UIManager.LookAndFeelInfo info :
javax.swing.UIManager.getInstalledLookAndFeels()) {
            if ("Nimbus".equals(info.getName())) {
                javax.swing.UIManager.setLookAndFeel(info.getClassName());
                break;
            }
        }
    } catch (ClassNotFoundException ex) {

java.util.logging.Logger.getLogger(welcome.class.getName()).log(java.util.logging.Level.SEVERE,
null, ex);
    } catch (InstantiationException ex) {

java.util.logging.Logger.getLogger(welcome.class.getName()).log(java.util.logging.Level.SEVERE,
null, ex);
    } catch (IllegalAccessException ex) {

java.util.logging.Logger.getLogger(welcome.class.getName()).log(java.util.logging.Level.SEVERE,
null, ex);
    } catch (javax.swing.UnsupportedLookAndFeelException ex) {
}

```

```
java.util.logging.Logger.getLogger(welcome.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
}

//</editor-fold>

/* Create and display the form */
java.awt.EventQueue.invokeLater(new Runnable() {
    public void run() {
        new welcome().setVisible(true);
    }
});

}

// Variables declaration - do not modify
private javax.swing.JButton jButton3;
private javax.swing.JButton jButton4;
private javax.swing.JLabel jLabel1;
private javax.swing.JLabel jLabel3;
private javax.swing.JPanel jPanel1;
private javax.swing.JPanel jPanel2;
private javax.swing.JPopupMenu jPopupMenu1;
// End of variables declaration
}
```

## CUSTOMER LOGIN

```
package banking.customer;

import banking.welcome;
import connection.connect;
import java.awt.HeadlessException;
import javax.swing.JOptionPane;
import java.sql.Statement;
import java.sql.*;
import java.text.SimpleDateFormat;
import javax.swing.ImageIcon;

public class login extends javax.swing.JFrame {

    int accn = 0;
    String user;

    public login() {
        initComponents();
    }

    @SuppressWarnings("unchecked")
    // <editor-fold defaultstate="collapsed" desc="Generated Code">
    private void initComponents() {

        jDialog1 = new javax.swing.JDialog();
        jPanel1 = new javax.swing.JPanel();
        jLabel3 = new javax.swing.JLabel();
        jPanel2 = new javax.swing.JPanel();
        jLabel2 = new javax.swing.JLabel();
        jButton2 = new javax.swing.JButton();
        jPasswordField1 = new javax.swing.JPasswordField();
        jButton1 = new javax.swing.JButton();
        jTextField1 = new javax.swing.JTextField();
        jLabel1 = new javax.swing.JLabel();
        jButton3 = new javax.swing.JButton();

        javax.swing.GroupLayout jDialog1Layout = new
        javax.swing.GroupLayout(jDialog1.getContentPane());
        jDialog1.getContentPane().setLayout(jDialog1Layout);
        jDialog1Layout.setHorizontalGroup(
            jDialog1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGap(0, 400, Short.MAX_VALUE)
        );
        jDialog1Layout.setVerticalGroup(
            jDialog1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGap(0, 300, Short.MAX_VALUE)
        );
    }
}
```

```
setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);

jPanel1.setBackground(new java.awt.Color(204, 255, 204));

jLabel3.setBackground(new java.awt.Color(204, 204, 255));
jLabel3.setFont(new java.awt.Font("Eras Bold ITC", 0, 18)); // NOI18N
jLabel3.setForeground(new java.awt.Color(0, 153, 102));
jLabel3.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);
jLabel3.setText("ENTER YOU USERNAME AND PASSWORD");

javax.swing.GroupLayout jPanel1Layout = new javax.swing.GroupLayout(jPanel1);
jPanel1.setLayout(jPanel1Layout);
jPanel1Layout.setHorizontalGroup(
    jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addGroup(jPanel1Layout.createSequentialGroup()
        .addGap(15, 15, 15)
        .addComponent(jLabel3, javax.swing.GroupLayout.PREFERRED_SIZE, 421,
        javax.swing.GroupLayout.PREFERRED_SIZE)
        .addGap(15, 15, 15)
        .addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))
);
jPanel1Layout.setVerticalGroup(
    jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addGroup(jPanel1Layout.createSequentialGroup()
        .addGap(22, 22, 22)
        .addComponent(jLabel3, javax.swing.GroupLayout.PREFERRED_SIZE, 45,
        javax.swing.GroupLayout.PREFERRED_SIZE)
        .addGap(22, 22, 22)
        .addContainerGap(22, Short.MAX_VALUE))
);
jPanel2.setBackground(new java.awt.Color(255, 255, 255));

jLabel2.setText("Password");

jButton2.setText("Sign up");
jButton2.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jButton2ActionPerformed(evt);
    }
});

jPasswordField1.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jPasswordField1ActionPerformed(evt);
    }
});

jButton1.setText("login");
jButton1.addActionListener(new java.awt.event.ActionListener() {
```

```
public void actionPerformed(java.awt.event.ActionEvent evt) {
    jButton1ActionPerformed(evt);
}
});

jLabel1.setText("Username");

jButton3.setText("back to start");
jButton3.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jButton3ActionPerformed(evt);
    }
});

javax.swing.GroupLayout jPanel2Layout = new javax.swing.GroupLayout(jPanel2);
jPanel2.setLayout(jPanel2Layout);
jPanel2Layout.setHorizontalGroup(
    jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addGroup(jPanel2Layout.createSequentialGroup()
        .addComponent(jButton1, javax.swing.GroupLayout.PREFERRED_SIZE, 73,
        javax.swing.GroupLayout.PREFERRED_SIZE)
        .addComponent(jButton2, javax.swing.GroupLayout.PREFERRED_SIZE, 63,
        javax.swing.GroupLayout.PREFERRED_SIZE))
    .addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addComponent(jTextField1, javax.swing.GroupLayout.PREFERRED_SIZE, 202,
        javax.swing.GroupLayout.PREFERRED_SIZE)
        .addComponent(jPasswordField1,
        javax.swing.GroupLayout.PREFERRED_SIZE, 202,
        javax.swing.GroupLayout.PREFERRED_SIZE))
    .addComponent(jButton1)
    .addContainerGap(84, Short.MAX_VALUE))
.addGroup(jPanel2Layout.createSequentialGroup()
    .addGap(72, 72, 72)
    .addComponent(jButton2)
    .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED,
        javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
    .addComponent(jButton3)
    .addGap(103, 103, 103))
);

});
```

```

jPanel2Layout.setVerticalGroup(
    jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel2Layout.createSequentialGroup()
            .addGap(20, 20, 20)

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
        .addComponent(jLabel1)
        .addComponent(jTextField1, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))
        .addGap(18, 18, 18)

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
        .addComponent(jLabel2)
        .addComponent(jPasswordField1, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))
        .addGap(34, 34, 34)
        .addComponent(jButton1)
        .addGap(18, 18, 18)

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
        .addComponent(jButton2)
        .addComponent(jButton3))
        .addGap(23, 23, 23))
);

javax.swing.GroupLayout layout = new javax.swing.GroupLayout(getContentPane());
getContentPane().setLayout(layout);
layout.setHorizontalGroup(
    layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(layout.createSequentialGroup()
            .addContainerGap()
            .addComponent(jPanel2, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))
        .addComponent(jPanel1, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
);
layout.setVerticalGroup(
    layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
layout.createSequentialGroup()
            .addContainerGap())
.layout.createSequentialGroup()
        .addComponent(jPanel1, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
        .addGap(18, 18, 18)
        .addComponent(jPanel2, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
        .addContainerGap())
);

```

```

    );
    pack();
}// </editor-fold>

private void jButton2ActionPerformed(java.awt.event.ActionEvent evt) {
    try {
        login l = new login();
        l.setVisible(false);
        profile pr = new profile();
        pr.setVisible(true);
        dispose();
    } catch (Exception e) {
        System.out.println(e);
    }
}

private void jPasswordField1ActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
}

private void jButton1ActionPerformed(java.awt.event.ActionEvent evt) {
    connect cn = new connect();
    try {
        String username = jTextField1.getText();
        String password = jPasswordField1.getText();
        if (username.equals("")) {
            JOptionPane.showMessageDialog(this, "kindly enter your username ");
        } else if (password.equals("")) {
            JOptionPane.showMessageDialog(this, "kindly enter your password");
        }
        Statement stmt = cn.conn();
        String query1 = "select * from dashboard where email='" + username + "' &&
password=''" + password + "'";
        ResultSet rs = stmt.executeQuery(query1);
        if (rs.next()) {

            if (username.equals(rs.getString("email"))) {
                if (password.equals(rs.getString("password"))) {

                    JOptionPane.showMessageDialog(this, "Login successful!");
                    accn = Integer.parseInt(rs.getString("Account_no"));
                    user = rs.getString("email");
                    menu_home home = new menu_home();
                    SimpleDateFormat formatter = new SimpleDateFormat("dd-MM-yyyy");
                    String formattedDate = formatter.format(new java.util.Date());
                    home.jLabel3.setText("DATE : " + formattedDate);
                    home.setVisible(true);
                    home.jl.setText(Integer.toString(accn));
                }
            }
        }
    }
}

```

```

        home.jlabel.setText(user);
        dispose();
    }
}

} else {
    JOptionPane.showMessageDialog(this, "sorry invalid username and password.",
"Error", JOptionPane.ERROR_MESSAGE);
}

} catch (HeadlessException | NumberFormatException | SQLException e) {
    System.out.println(e);
}

}

private void jButton3ActionPerformed(java.awt.event.ActionEvent evt) {
// TODO add your handling code here:
try {
    welcome w = new welcome();
    w.setVisible(true);
    dispose();
} catch (Exception e) {
    System.out.println(e);
}
}

public int accn() {
    return accn;
}

public String user() {
    return user;
}

public static void main(String args[]) {

    java.awt.EventQueue.invokeLater(new Runnable() {
        public void run() {
            new login().setVisible(true);
        }
    });
}

// Variables declaration - do not modify
private javax.swing.JButton jButton1;
private javax.swing.JButton jButton2;
private javax.swing.JButton jButton3;
private javax.swing.JDialog jDialog1;
private javax.swing.JLabel jLabel1;

```

```
private javax.swing.JLabel jLabel2;
private javax.swing.JLabel jLabel3;
private javax.swing.JPanel jPanel1;
private javax.swing.JPanel jPanel2;
private javax.swing.JPasswordField jPasswordField1;
private javax.swing.JTextField jTextField1;
// End of variables declaration

public void jLabe4(ImageIcon icon) {
    throw new UnsupportedOperationException("Not supported yet."); // Generated from
nbfs://nbhost/SystemFileSystem/Templates/Classes/Code/GeneratedMethodBody
}

public void jLabel4(ImageIcon icon) {
    throw new UnsupportedOperationException("Not supported yet."); // Generated from
nbfs://nbhost/SystemFileSystem/Templates/Classes/Code/GeneratedMethodBody
}
}
```

# SIGN UP

```
package banking.customer;

import banking.welcome;
import javax.swing.JOptionPane;
import java.sql.Statement;
import connection.connect;
import java.awt.HeadlessException;
import java.sql.SQLException;

/*
 * Click nbfs://nbhost/SystemFileSystem/Templates/Licenses/license-default.txt to change
this license
 * Click nbfs://nbhost/SystemFileSystem/Templates/GUIForms/JFrame.java to edit this
template
 */
/**
 *
 * @author Lenovo
 */
public class profile extends javax.swing.JFrame {

    /**
     * Creates new form profile
     */
    public profile() {
        initComponents();
    }
    @SuppressWarnings("unchecked")
// <editor-fold defaultstate="collapsed" desc="Generated Code">
    private void initComponents() {

        jPanel1 = new javax.swing.JPanel();
        jLabel1 = new javax.swing.JLabel();
        jPanel2 = new javax.swing.JPanel();
        jLabel2 = new javax.swing.JLabel();
        jLabel3 = new javax.swing.JLabel();
        jLabel4 = new javax.swing.JLabel();
        jLabel5 = new javax.swing.JLabel();
        jLabel6 = new javax.swing.JLabel();
        jLabel7 = new javax.swing.JLabel();
        jLabel8 = new javax.swing.JLabel();
        jTextField1 = new javax.swing.JTextField();
        jTextField2 = new javax.swing.JTextField();
        jTextField3 = new javax.swing.JTextField();
        jTextField4 = new javax.swing.JTextField();
        jTextField5 = new javax.swing.JTextField();
    }

    // Variables declaration - do not modify
    private javax.swing.JLabel jLabel1;
    private javax.swing.JLabel jLabel2;
    private javax.swing.JLabel jLabel3;
    private javax.swing.JLabel jLabel4;
    private javax.swing.JLabel jLabel5;
    private javax.swing.JLabel jLabel6;
    private javax.swing.JLabel jLabel7;
    private javax.swing.JLabel jLabel8;
    private javax.swing.JPanel jPanel1;
    private javax.swing.JPanel jPanel2;
    private javax.swing.JTextField jTextField1;
    private javax.swing.JTextField jTextField2;
    private javax.swing.JTextField jTextField3;
    private javax.swing.JTextField jTextField4;
    private javax.swing.JTextField jTextField5;
    // End of variables declaration
}
```

```
jTextField6 = new javax.swing.JTextField();
jTextField7 = new javax.swing.JTextField();
jLabel11 = new javax.swing.JLabel();
jLabel12 = new javax.swing.JLabel();
jTextField10 = new javax.swing.JTextField();
jLabel13 = new javax.swing.JLabel();
jButton1 = new javax.swing.JButton();
jPasswordField1 = new javax.swing.JPasswordField();
jPasswordField2 = new javax.swing.JPasswordField();
jLabel9 = new javax.swing.JLabel();
jTextField8 = new javax.swing.JTextField();
jLabel10 = new javax.swing.JLabel();
jLabel18 = new javax.swing.JLabel();
jButton2 = new javax.swing.JButton();
jButton3 = new javax.swing.JButton();

setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);

jPanel1.setBackground(new java.awt.Color(255, 153, 153));

jLabel1.setFont(new java.awt.Font("Segoe UI Semibold", 1, 48)); // NOI18N
jLabel1.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);
jLabel1.setText("DASHBOARD");

javax.swing.GroupLayout jPanel1Layout = new javax.swing.GroupLayout(jPanel1);
jPanel1.setLayout(jPanel1Layout);
jPanel1Layout.setHorizontalGroup(
    jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel1Layout.createSequentialGroup()
            .addGap(139, 139, 139)
            .addComponent(jLabel1, javax.swing.GroupLayout.PREFERRED_SIZE, 319, javax.swing.GroupLayout.PREFERRED_SIZE)
            .addGap(Short.MAX_VALUE)
            .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                .addGroup(jPanel1Layout.createSequentialGroup()
                    .addGap(23, Short.MAX_VALUE)
                    .addComponent(jLabel1))
                .addGroup(jPanel1Layout.createSequentialGroup()
                    .addGap(23, Short.MAX_VALUE)
                    .addComponent(jLabel1)))
        )
);
jPanel1Layout.setVerticalGroup(
    jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel1Layout.createSequentialGroup()
            .addGap(139, 139, 139)
            .addComponent(jLabel1, javax.swing.GroupLayout.PREFERRED_SIZE, 319, javax.swing.GroupLayout.PREFERRED_SIZE)
            .addGap(Short.MAX_VALUE)
            .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                .addGroup(jPanel1Layout.createSequentialGroup()
                    .addGap(23, Short.MAX_VALUE)
                    .addComponent(jLabel1))
                .addGroup(jPanel1Layout.createSequentialGroup()
                    .addGap(23, Short.MAX_VALUE)
                    .addComponent(jLabel1)))
        )
);

jPanel2.setBackground(new java.awt.Color(255, 255, 255));

jLabel2.setText("NAME");

jLabel3.setText("PHONE NO");

jLabel4.setText("FATHER'S NAME");
```



```
.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING, false)
        .addGroup(javax.swing.GroupLayout.Alignment.LEADING,
jPanel2Layout.createSequentialGroup()
        .addGap(32, 32, 32)

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
)
        .addComponent(jLabel2)
        .addComponent(jLabel3)
        .addComponent(jLabel4)
        .addComponent(jLabel5)
        .addComponent(jLabel6)
        .addComponent(jLabel7)
        .addComponent(jLabel8)
        .addComponent(jLabel11)
        .addComponent(jLabel12))
        .addGap(38, 38, 38)

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)
        .addComponent(jTextField1, javax.swing.GroupLayout.DEFAULT_SIZE, 318, Short.MAX_VALUE)
        .addComponent(jTextField2)
        .addComponent(jTextField3)
        .addComponent(jTextField4)
        .addComponent(jTextField5)
        .addComponent(jTextField6)
        .addComponent(jTextField7)
        .addComponent(jTextField10,
javax.swing.GroupLayout.Alignment.TRAILING)
        .addComponent(jPasswordField1)))
        .addGroup(jPanel2Layout.createSequentialGroup()
)

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
)
        .addGroup(jPanel2Layout.createSequentialGroup()
            .addGroup(jPanel2Layout.createSequentialGroup()
                .addGap(16, 16, 16)
                .addComponent(jLabel13))
            .addGroup(jPanel2Layout.createSequentialGroup()
                .addGap(34, 34, 34)
                .addComponent(jLabel9)))
            .addGapPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED, 18, Short.MAX_VALUE)
)
        .addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)
```

```
        .addComponent(jPasswordField2,
javax.swing.GroupLayout.DEFAULT_SIZE, 318, Short.MAX_VALUE)
        .addComponent(jTextField8)
        .addComponent(jLabel10))))
    .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
    .addComponent(jLabel18, javax.swing.GroupLayout.DEFAULT_SIZE, 130,
Short.MAX_VALUE))
    .addGroup(jPanel2Layout.createSequentialGroup()
        .addGap(68, 68, 68)
        .addComponent(jButton1)
        .addGap(116, 116, 116)
        .addComponent(jButton2)
        .addGap(88, 88, 88)
        .addComponent(jButton3)
        .addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)))
);
jPanel2Layout.setVerticalGroup(
    jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addGroup(jPanel2Layout.createSequentialGroup()
        .addGap(32, 32, 32)

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
    .addComponent(jLabel2)
    .addComponent(jTextField1, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))
    .addGap(18, 18, 18)

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
    .addComponent(jLabel3)
    .addComponent(jTextField2, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))
    .addGap(18, 18, 18)

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
)
    .addComponent(jLabel4)
    .addComponent(jTextField3, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))
    .addGap(18, 18, 18)

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
)
    .addComponent(jLabel5)
    .addComponent(jTextField4, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))
    .addGap(18, 18, 18)
```

```
.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
)
.addComponent(jLabel6)
.addComponent(jTextField5, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))
.addGap(18, 18, 18)

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
)
.addComponent(jLabel7)
.addComponent(jTextField6, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))
.addGap(18, 18, 18)

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
)
.addComponent(jLabel8)
.addComponent(jTextField7, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))
.addGap(21, 21, 21)

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
)
.addComponent(jLabel11)
.addComponent(jTextField10, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))
.addGap(18, 18, 18)

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
)
.addComponent(jLabel12)
.addComponent(jPasswordField1, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))
.addGap(18, 18, 18)

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
)
.addGroup(jPanel2Layout.createSequentialGroup()
)

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
)
.addComponent(jLabel13)
.addComponent(jPasswordField2,
javax.swing.GroupLayout.PREFERRED_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE))
.addGap(18, 18, 18)
```

```

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
)
    .addComponent(jLabel9)
    .addComponent(jTextField8,
javax.swing.GroupLayout.PREFERRED_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE))
    .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
    .addComponent(jLabel10)
    .addComponent(jLabel18, javax.swing.GroupLayout.PREFERRED_SIZE, 22,
javax.swing.GroupLayout.PREFERRED_SIZE))
    .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
)
    .addComponent(jButton2)

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
)
    .addComponent(jButton1)
    .addComponent(jButton3))
    .addContainerGap(18, Short.MAX_VALUE))
);

javax.swing.GroupLayout layout = new javax.swing.GroupLayout(getContentPane());
getContentPane().setLayout(layout);
layout.setHorizontalGroup(
    layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addGroup(layout.createSequentialGroup()

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addComponent(jPanel1, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
    .addComponent(jPanel2, javax.swing.GroupLayout.Alignment.TRAILING,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE))
    .addContainerGap())
);
layout.setVerticalGroup(
    layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addGroup(layout.createSequentialGroup()
        .addComponent(jPanel1, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
        .addComponent(jPanel2, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)))
);
}

pack();

```

```

} // </editor-fold>

private void jButton1ActionPerformed(java.awt.event.ActionEvent evt) {
    connect cn = new connect();
    try {

        String name = jTextField1.getText();
        String phone = jTextField2.getText();
        String Father = jTextField3.getText();
        String adhaar = jTextField4.getText();
        String address = jTextField5.getText();
        String pincode = jTextField6.getText();
        String state = jTextField7.getText();
        String email = jTextField10.getText();
        String password = jPasswordField1.getText();
        String confirmPassword = jPasswordField2.getText();
        String balance = jTextField8.getText();

        if (name.equals("")) {
            JOptionPane.showMessageDialog(this, "kindly write your name", "Woops",
JOptionPane.ERROR_MESSAGE);
        } else if (phone.equals("")) {
            JOptionPane.showMessageDialog(this, "kindly write your phone no", "Woops",
JOptionPane.ERROR_MESSAGE);
        } else if (phone.length() != 10) {
            JOptionPane.showMessageDialog(this, "phone number should be of 10 digits",
"Woops", JOptionPane.ERROR_MESSAGE);
        } else if (Father.equals("")) {
            JOptionPane.showMessageDialog(this, "kindly write your fathers name",
"Woops", JOptionPane.ERROR_MESSAGE);
        } else if (adhaar.equals("")) {
            JOptionPane.showMessageDialog(this, "kindly enter your aadhar no", "Woops",
JOptionPane.ERROR_MESSAGE);
        } else if (adhaar.length() != 12) {
            JOptionPane.showMessageDialog(this, "adhaar number should be of 12 digits",
"Woops", JOptionPane.ERROR_MESSAGE);
        } else if (address.equals("")) {
            JOptionPane.showMessageDialog(this, "kindly enter your address", "Woops",
JOptionPane.ERROR_MESSAGE);
        } else if (pincode.length() < 6) {
            JOptionPane.showMessageDialog(this, "Pincode should be 6 digits long",
"Woops", JOptionPane.ERROR_MESSAGE);
        } else if (email.equals("")) {
            JOptionPane.showMessageDialog(this, "kindly enter your email", "Woops",
JOptionPane.ERROR_MESSAGE);
        } else if (password.equals("")) {
            JOptionPane.showMessageDialog(this, "kindly enter the password", "Woops",
JOptionPane.ERROR_MESSAGE);
        } else if (password.length() < 8) {
    }
}

```

```

        JOptionPane.showMessageDialog(this, "Password should be minimum 8
characters long", "Woops", JOptionPane.ERROR_MESSAGE);
    } else if (confirmPassword.equals("")) {
        JOptionPane.showMessageDialog(this, "kindly enter the password to confirm ",
"Woops", JOptionPane.ERROR_MESSAGE);
    } else if (Integer.parseInt(balance) == 0) {
        JOptionPane.showMessageDialog(this, "kindly enter the minimum required
balance");
    } else if (Integer.parseInt(balance) < 2000) {
        JOptionPane.showMessageDialog(this, "kindly enter the minimum required
balance");
    } else if (password.equals(confirmPassword)) {
        jLabel18.setText("password matched");
        Statement stmt = cn.conn();
        String query1 = "INSERT INTO
dashboard(name,phone,father,adhaar,address,pincode,state,email,password,confirmPassword,balance)VALUES (" + name + "", "" + phone + "", "" + Father + "", "" + adhaar + "", "" +
address + "", "" + pincode + "", "" + state + "", "" + email + "", "" + password + "", "" +
confirmPassword + "", "" + balance + ")";
        stmt.executeUpdate(query1);
        profile pr = new profile();
        pr.setVisible(false);
        login lg = new login();
        lg.setVisible(true);
        dispose();
    } else {
        JOptionPane.showMessageDialog(null, "Passwords do not match.", "Woops",
JOptionPane.ERROR_MESSAGE);
        jPasswordField1.setText(null);
        jPasswordField2.setText(null);
    }
}

} catch (HeadlessException | SQLException e) {
    System.out.println(e);
}

}

private void jButton2ActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
    jTextField1.setText(null);
    jTextField2.setText(null);
    jTextField3.setText(null);
    jTextField4.setText(null);
    jTextField5.setText(null);
    jTextField6.setText(null);
    jTextField7.setText(null);
    jTextField10.setText(null);
    jTextField11.setText(null);
    jPasswordField1.setText(null);
}

```

```

jPasswordField2.setText(null);
jTextField8.setText(null);

}

private void jButton3ActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
    try {
        welcome w = new welcome();
        w.setVisible(true);
        dispose();
    } catch (Exception e) {
        System.out.println(e);
    }
}

/**
 * @param args the command line arguments
 */
public static void main(String args[]) {
    /* Set the Nimbus look and feel */
    //<editor-fold defaultstate="collapsed" desc=" Look and feel setting code (optional)
">
    /* If Nimbus (introduced in Java SE 6) is not available, stay with the default look and
feel.
     * For details see
http://download.oracle.com/javase/tutorial/uiswing/lookandfeel/plaf.html
*/
    try {
        for (javax.swing.UIManager.LookAndFeelInfo info :
javax.swing.UIManager.getInstalledLookAndFeels()) {
            if ("Nimbus".equals(info.getName())) {
                javax.swing.UIManager.setLookAndFeel(info.getClassName());
                break;
            }
        }
    } catch (ClassNotFoundException ex) {

java.util.logging.Logger.getLogger(profile.class.getName()).log(java.util.logging.Level.SEVERE,
null, ex);
    } catch (InstantiationException ex) {

java.util.logging.Logger.getLogger(profile.class.getName()).log(java.util.logging.Level.SEVERE,
null, ex);
    } catch (IllegalAccessException ex) {

java.util.logging.Logger.getLogger(profile.class.getName()).log(java.util.logging.Level.SEVERE,
null, ex);
}

```

```
        } catch (javax.swing.UnsupportedLookAndFeelException ex) {
            java.util.logging.Logger.getLogger(profile.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
        }
    //</editor-fold>

    /* Create and display the form */
    java.awt.EventQueue.invokeLater(new Runnable() {
        public void run() {
            new profile().setVisible(true);
        }
    });
}

// Variables declaration - do not modify
private javax.swing.JButton jButton1;
private javax.swing.JButton jButton2;
private javax.swing.JButton jButton3;
private javax.swing.JLabel jLabel1;
private javax.swing.JLabel jLabel10;
private javax.swing.JLabel jLabel11;
private javax.swing.JLabel jLabel12;
private javax.swing.JLabel jLabel13;
private javax.swing.JLabel jLabel18;
private javax.swing.JLabel jLabel2;
private javax.swing.JLabel jLabel3;
private javax.swing.JLabel jLabel4;
private javax.swing.JLabel jLabel5;
private javax.swing.JLabel jLabel6;
private javax.swing.JLabel jLabel7;
private javax.swing.JLabel jLabel8;
private javax.swing.JLabel jLabel9;
private javax.swing.JPanel jPanel1;
private javax.swing.JPanel jPanel2;
private javax.swing.JPasswordField jPasswordField1;
private javax.swing.JPasswordField jPasswordField2;
private javax.swing.JTextField jTextField1;
private javax.swing.JTextField jTextField10;
private javax.swing.JTextField jTextField2;
private javax.swing.JTextField jTextField3;
private javax.swing.JTextField jTextField4;
private javax.swing.JTextField jTextField5;
private javax.swing.JTextField jTextField6;
private javax.swing.JTextField jTextField7;
private javax.swing.JTextField jTextField8;
// End of variables declaration
}
```

## MENU HOME PAGE

```
package banking.customer;

import banking.admin.admindashboard;
import connection.connect;
import java.awt.HeadlessException;
import java.sql.ResultSet;
import java.sql.SQLException;
import java.sql.Statement;
import java.text.SimpleDateFormat;
import java.util.Date;
import javax.swing.JOptionPane;
import javax.swing.table.DefaultTableModel;

public class menu_home extends javax.swing.JFrame {

    String name, B, phone, father, adhaar, address, pincode, ste, email, password, user;
    int account, accn;

    public menu_home() {
        initComponents();
    }

    @SuppressWarnings("unchecked")
    // <editor-fold defaultstate="collapsed" desc="Generated Code">
    private void initComponents() {

        jPanel3 = new javax.swing.JPanel();
        jLabel1 = new javax.swing.JLabel();
        jLabel2 = new javax.swing.JLabel();
        jLabel5 = new javax.swing.JLabel();
        jl = new javax.swing.JLabel();
        jLabel1 = new javax.swing.JLabel();
        jLabel3 = new javax.swing.JLabel();
        jPanel2 = new javax.swing.JPanel();
        jLabel4 = new javax.swing.JLabel();
        jButton1 = new javax.swing.JButton();
        jButton2 = new javax.swing.JButton();
        jButton3 = new javax.swing.JButton();
        jButton5 = new javax.swing.JButton();
        jButton6 = new javax.swing.JButton();
        canvas1 = new java.awt.Canvas();
        canvas2 = new java.awt.Canvas();
        filler2 = new javax.swing.Box.Filler(new java.awt.Dimension(10, 0), new
java.awt.Dimension(10, 0), new java.awt.Dimension(10, 32767));
        jButton4 = new javax.swing.JButton();
    }
}
```

```

jButton7 = new javax.swing.JButton();
jButton8 = new javax.swing.JButton();

setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);

jPanel3.setBackground(new java.awt.Color(255, 153, 255));

jLabel1.setFont(new java.awt.Font("Segoe UI", 1, 12)); // NOI18N
jLabel1.setText("Username");

jLabel2.setIcon(new
javax.swing.ImageIcon(getClass().getResource("/banking/c1d976cf2c1b2a66658715488a60
fa16.jpg"))); // NOI18N
jLabel2.setPreferredSize(new java.awt.Dimension(235, 196));

jLabel5.setFont(new java.awt.Font("Segoe UI", 1, 12)); // NOI18N
jLabel5.setText("acc no");

jl.setAutoscrolls(true);

jLabel3.setFont(new java.awt.Font("Segoe UI", 1, 12)); // NOI18N

javax.swing.GroupLayout jPanel3Layout = new javax.swing.GroupLayout(jPanel3);
jPanel3.setLayout(jPanel3Layout);
jPanel3Layout.setHorizontalGroup(
    jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel3Layout.createSequentialGroup()
            .addComponent(jLabel2, javax.swing.GroupLayout.PREFERRED_SIZE, 268,
javax.swing.GroupLayout.PREFERRED_SIZE)
            .addGroup(jPanel3Layout.createSequentialGroup()
                .addGap(8, 8, 8)
                .addComponent(jLabel5)))
            .addGap(41, 41, 41)
        )
        .addGroup(jPanel3Layout.createSequentialGroup()
            .addGap(132, 132, 132)
            .addComponent(jl, javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE)
            .addGap(132, 132, 132)
            .addComponent(jlabel, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)))
    )
);

```

```

        .addContainerGap(37, Short.MAX_VALUE))
        .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
jPanel3Layout.createSequentialGroup()
        .addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
        .addComponent(jLabel3, javax.swing.GroupLayout.PREFERRED_SIZE, 150,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addContainerGap())
    );
jPanel3Layout.setVerticalGroup(
    jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addGroup(jPanel3Layout.createSequentialGroup()
        .addGap(30, 30, 30)

.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
E)
        .addComponent(jLabel1)
        .addComponent(jlabel, javax.swing.GroupLayout.PREFERRED_SIZE, 26,
javax.swing.GroupLayout.PREFERRED_SIZE))
        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
)
        .addComponent(jLabel5)
        .addComponent(jl, javax.swing.GroupLayout.PREFERRED_SIZE, 27,
javax.swing.GroupLayout.PREFERRED_SIZE))
        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
        .addComponent(jLabel2, javax.swing.GroupLayout.PREFERRED_SIZE, 329,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addGap(18, 18, 18)
        .addComponent(jLabel3, javax.swing.GroupLayout.PREFERRED_SIZE, 27,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addContainerGap(19, Short.MAX_VALUE))
    );
}

jPanel2.setBackground(new java.awt.Color(102, 0, 102));
jPanel2.setForeground(new java.awt.Color(153, 204, 255));
jPanel2.setMaximumSize(new java.awt.Dimension(70, 18));
jPanel2.setMinimumSize(new java.awt.Dimension(70, 18));

jLabel4.setFont(new java.awt.Font("Segoe UI", 1, 24)); // NOI18N
jLabel4.setForeground(new java.awt.Color(255, 255, 255));
jLabel4.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);
jLabel4.setText("MAIN MENU");
jLabel4.setToolTipText("");
jLabel4.setMaximumSize(new java.awt.Dimension(80, 30));
jLabel4.setPreferredSize(new java.awt.Dimension(70, 20));

jButton1.setText("PROFILE");

```

```
jButton1.setBorder(javax.swing.BorderFactory.createBevelBorder(javax.swing.border.BevelBorder.RAISED));
    jButton1.addActionListener(new java.awt.event.ActionListener() {
        public void actionPerformed(java.awt.event.ActionEvent evt) {
            jButton1ActionPerformed(evt);
        }
    });
jButton2.setText("WITHDRAW");

jButton2.setBorder(javax.swing.BorderFactory.createBevelBorder(javax.swing.border.BevelBorder.RAISED));
    jButton2.addActionListener(new java.awt.event.ActionListener() {
        public void actionPerformed(java.awt.event.ActionEvent evt) {
            jButton2ActionPerformed(evt);
        }
    });
jButton3.setText("DEPOSIT");

jButton3.setBorder(javax.swing.BorderFactory.createBevelBorder(javax.swing.border.BevelBorder.RAISED));
    jButton3.addActionListener(new java.awt.event.ActionListener() {
        public void actionPerformed(java.awt.event.ActionEvent evt) {
            jButton3ActionPerformed(evt);
        }
    });
jButton5.setText("CHECK BALANCE");

jButton5.setBorder(javax.swing.BorderFactory.createBevelBorder(javax.swing.border.BevelBorder.RAISED));
    jButton5.setHorizontalTextPosition(javax.swing.SwingConstants.CENTER);
    jButton5.addActionListener(new java.awt.event.ActionListener() {
        public void actionPerformed(java.awt.event.ActionEvent evt) {
            jButton5ActionPerformed(evt);
        }
    });
jButton6.setText("LOG OUT ");

jButton6.setBorder(javax.swing.BorderFactory.createBevelBorder(javax.swing.border.BevelBorder.RAISED));
    jButton6.addActionListener(new java.awt.event.ActionListener() {
        public void actionPerformed(java.awt.event.ActionEvent evt) {
            jButton6ActionPerformed(evt);
        }
    });
}
```

```

jButton4.setText("CALCULATOR");

jButton4.setBorder(javax.swing.BorderFactory.createBevelBorder(javax.swing.border.BevelBorder.RAISED));
    jButton4.addActionListener(new java.awt.event.ActionListener() {
        public void actionPerformed(java.awt.event.ActionEvent evt) {
            jButton4ActionPerformed(evt);
        }
    });
}

jButton7.setText("TRANSFER");

jButton7.setBorder(javax.swing.BorderFactory.createBevelBorder(javax.swing.border.BevelBorder.RAISED));
    jButton7.addActionListener(new java.awt.event.ActionListener() {
        public void actionPerformed(java.awt.event.ActionEvent evt) {
            jButton7ActionPerformed(evt);
        }
    });
}

jButton8.setText("HISTORY");

jButton8.setBorder(javax.swing.BorderFactory.createBevelBorder(javax.swing.border.BevelBorder.RAISED));
    jButton8.addActionListener(new java.awt.event.ActionListener() {
        public void actionPerformed(java.awt.event.ActionEvent evt) {
            jButton8ActionPerformed(evt);
        }
    });
}

javax.swing.GroupLayout jPanel2Layout = new javax.swing.GroupLayout(jPanel2);
jPanel2.setLayout(jPanel2Layout);
jPanel2Layout.setHorizontalGroup(
    jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel2Layout.createSequentialGroup()
            .addGap(16, 16, 16)
            .addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                .addGroup(jPanel2Layout.createSequentialGroup()
                    .addGap(19, Short.MAX_VALUE)
                    .addComponent(jLabel4, javax.swing.GroupLayout.PREFERRED_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))
                .addGroup(jPanel2Layout.createSequentialGroup()
                    .addGap(20, 20, 20)
                    .addComponent(canvas1, javax.swing.GroupLayout.PREFERRED_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)))
            .addGap(20, 20, 20)
        )
);

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addGroup(jPanel2Layout.createSequentialGroup()
        .addGap(19, Short.MAX_VALUE)
        .addComponent(jLabel4, javax.swing.GroupLayout.PREFERRED_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))
    .addGroup(jPanel2Layout.createSequentialGroup()
        .addGap(20, 20, 20)
        .addComponent(canvas1, javax.swing.GroupLayout.PREFERRED_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))
)
);

```

```
.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
)
    .addGroup(jPanel2Layout.createSequentialGroup()
        .addComponent(canvas2,
javax.swing.GroupLayout.PREFERRED_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
            .addGap(0, 0, Short.MAX_VALUE))
        .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
jPanel2Layout.createSequentialGroup()

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING)
)
    .addGroup(jPanel2Layout.createSequentialGroup()
        .addComponent(jButton8,
javax.swing.GroupLayout.Alignment.LEADING, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
            .addComponent(jButton7,
javax.swing.GroupLayout.Alignment.LEADING, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
                .addComponent(jButton1,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE)
                    .addGroup(jPanel2Layout.createSequentialGroup()
                        .addComponent(jButton2,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE)
                            .addComponent(jButton3,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE)
                                .addComponent(jButton5,
javax.swing.GroupLayout.Alignment.LEADING, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
                                    .addComponent(jButton4,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE)
                                        .addGroup(jPanel2Layout.createSequentialGroup()
                                            .addGap(44, 44, 44))))))
    .addGroup(jPanel2Layout.createSequentialGroup()
        .addGap(60, 60, 60)
        .addComponent(jButton6, javax.swing.GroupLayout.PREFERRED_SIZE, 79,
javax.swing.GroupLayout.PREFERRED_SIZE)
            .addGap(0, 0, Short.MAX_VALUE)))
);
jPanel2Layout.setVerticalGroup(
    jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
```

```

        .addGroup(jPanel2Layout.createSequentialGroup()
            .addGap(32, 32, 32)
            .addComponent(jLabel4, javax.swing.GroupLayout.PREFERRED_SIZE, 42,
javax.swing.GroupLayout.PREFERRED_SIZE)
            .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
            .addComponent(filler2, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
            .addGap(12, 12, 12)
            .addComponent(canvas2, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
            .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
            .addComponent(canvas1, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
            .addGap(21, 21, 21)
            .addComponent(jButton1)
            .addGap(18, 18, 18)
            .addComponent(jButton5)
            .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED, 16,
Short.MAX_VALUE)
            .addComponent(jButton2)
            .addGap(18, 18, 18)
            .addComponent(jButton3)
            .addGap(18, 18, 18)
            .addComponent(jButton7)
            .addGap(18, 18, 18)
            .addComponent(jButton8, javax.swing.GroupLayout.PREFERRED_SIZE, 20,
javax.swing.GroupLayout.PREFERRED_SIZE)
            .addGap(18, 18, 18)
            .addComponent(jButton4)
            .addGap(61, 61, 61)
            .addComponent(jButton6)
            .addGap(38, 38, 38))
    );
}

javax.swing.GroupLayout layout = new javax.swing.GroupLayout(getContentPane());
getContentPane().setLayout(layout);
layout.setHorizontalGroup(
    layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addGroup(layout.createSequentialGroup()
        .addComponent(jPanel2, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
        .addComponent(jPanel3, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
        .addComponentContainerGap())
);
layout.setVerticalGroup(
    layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

```

```

        .addComponent(jPanel3, javax.swing.GroupLayout.DEFAULT_SIZE,
        javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
            .addComponent(jPanel2, javax.swing.GroupLayout.DEFAULT_SIZE,
        javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
    );
}

pack();
}// </editor-fold>

private void jButton2ActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
    connect cn = new connect();
    try {
        Statement stmt = cn.conn();
        String query1 = "select * from dashboard where Account_no=" + jl.getText() + "";
        ResultSet rs = stmt.executeQuery(query1);
        while (rs.next()) {
            withdraw w = new withdraw();
            SimpleDateFormat formatter = new SimpleDateFormat("dd-MM-yyyy");
            String formattedDate = formatter.format(new Date());
            w.jLabel9.setText(formattedDate);
            accn = Integer.parseInt(rs.getString("Account_no"));
            user = rs.getString("email");
            w.jLabel5.setText("acc no");
            w.setVisible(true);
            w.jLabel7.setText(Integer.toString(accn));
            w.jLabel6.setText(user);
            dispose();
        }
    } catch (NumberFormatException | SQLException e) {
        System.out.println(e);
    }
}

private void jButton3ActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
    connect cn = new connect();
    try {
        Statement stmt = cn.conn();
        String query1 = "select * from dashboard where Account_no=" + jl.getText() + "";
        ResultSet rs = stmt.executeQuery(query1);
        deposit d = new deposit();
        while (rs.next()) {

            SimpleDateFormat formatter = new SimpleDateFormat("dd-MM-yyyy");
            String formattedDate = formatter.format(new Date());
            d.jLabel8.setText(formattedDate);
            accn = Integer.parseInt(rs.getString("Account_no"));
            user = rs.getString("email");
        }
    }
}

```

```

        d.setVisible(true);
        d jLabel5.setText("acc no");
        d jLabel7.setText(Integer.toString(accn));
        d jLabel6.setText(user);
        dispose();
    }
} catch (NumberFormatException | SQLException e) {
    System.out.println(e);
}
}

private void jButton6ActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:

    connect cn = new connect();
    try {
        Statement stmt = cn.conn();

        ResultSet rs = stmt.executeQuery("select * from dashboard where Account_no='"
+ jl.getText() + "'");
        while (rs.next()) {
            int result = JOptionPane.showConfirmDialog(this, "Do you really want to log
out?", "warning", JOptionPane.YES_NO_OPTION, JOptionPane.QUESTION_MESSAGE);
            switch (result) {
                case JOptionPane.YES_OPTION -> {
                    JOptionPane.showMessageDialog(this, "you are successfully logged out",
"yayy", JOptionPane.INFORMATION_MESSAGE);
                    login l = new login();
                    l.setVisible(true);
                    dispose();
                }
                case JOptionPane.NO_OPTION -> {
                    menu_home h = new menu_home();
                    h.setVisible(true);
                    h.jl.setText(jl.getText());
                    h.jlabel.setText(jlabel.getText());
                    SimpleDateFormat formatter = new SimpleDateFormat("dd-MM-yyyy");
                    String formattedDate = formatter.format(new java.util.Date());
                    h jLabel3.setText("DATE : " + formattedDate);
                    dispose();
                }
            }
        }
    } catch (HeadlessException | SQLException e) {
        System.out.println(e);
    }
}

```

```

private void jButton1ActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
    connect cn = new connect();
    try {

        Statement stmt = cn.conn();
        String query1 = "select * from dashboard where Account_no=" + jl.getText() + "";
        ResultSet rs = stmt.executeQuery(query1);
        while (rs.next()) {
            name = rs.getString("name");
            phone = rs.getString("phone");
            father = rs.getString("father");
            adhaar = rs.getString("adhaar");
            address = rs.getString("address");
            pincode = rs.getString("pincode");
            ste = rs.getString("state");
            email = rs.getString("email");
            password = rs.getString("password");
            account = rs.getInt("Account_no");

            user_details ud = new user_details();
            ud.setVisible(true);
            ud.jLabel9.setText(name);
            ud.jLabel10.setText(phone);
            ud.jLabel13.setText(father);
            ud.jLabel14.setText(adhaar);
            ud.jLabel15.setText(address);
            ud.jLabel16.setText(pincode);
            ud.jLabel17.setText(ste);
            ud.jLabel19.setText(email);
            ud.jLabel20.setText(password);
            ud.jLabel22.setText(Integer.toString(account));
            dispose();
        }
    } catch (SQLException e) {
        System.out.println(e);
    }
}

private void jButton4ActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
    connect cn = new connect();
    try {
        Statement stmt = cn.conn();
        String query1 = "select * from dashboard where Account_no=" + jl.getText() + "";
        ResultSet rs = stmt.executeQuery(query1);
        while (rs.next()) {
            accn = Integer.parseInt(rs.getString("Account_no"));
        }
    }
}

```

```

        user = rs.getString("email");
        NewJFrame8 cal = new NewJFrame8();
        cal.setVisible(true);
        cal.jLabel4.setText(Integer.toString(accn));
        cal.jLabel5.setText(user);
        dispose();
    }
} catch (NumberFormatException | SQLException e) {
    System.out.println(e);
}
}

private void jButton5ActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
    connect cn = new connect();
    try {
        Statement stmt = cn.conn();
        String query1 = "select * from dashboard where Account_no='" + jl.getText() + "'";
        ResultSet rs = stmt.executeQuery(query1);
        while (rs.next()) {
            accn = Integer.parseInt(rs.getString("Account_no"));
            user = rs.getString("email");
            B = rs.getString("balance");
            checkBalance cb = new checkBalance();
            cb.setVisible(true);
            cb.jLabel3.setText("acc no");
            cb.jLabel7.setText(Integer.toString(accn));
            cb.jLabel6.setText(user);
            cb.jLabel5.setText(B);
            dispose();
        }
    } catch (NumberFormatException | SQLException e) {
        System.out.println(e);
    }
}

private void jButton7ActionPerformed(java.awt.event.ActionEvent evt) {
    connect cn = new connect();
    try {
        Statement stmt = cn.conn();
        String query1 = "select * from dashboard where Account_no='" + jl.getText() + "'";
        ResultSet rs = stmt.executeQuery(query1);
        while (rs.next()) {
            transfer t = new transfer();
            SimpleDateFormat formatter = new SimpleDateFormat("dd-MM-yyyy");
            String formattedDate = formatter.format(new Date());
            t.jLabel11.setText(formattedDate);
            accn = Integer.parseInt(rs.getString("Account_no"));
            user = rs.getString("email");

```

```

        t.setVisible(true);
        t.jLabel10.setText(Integer.toString(accn));
        t.jLabel9.setText(user);
        dispose();
    }
} catch (NumberFormatException | SQLException e) {
    System.out.println(e);
}
}

private void jButton8ActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
    connect cn = new connect();
    try {
        Statement stmt = cn.conn();
        history h = new history();
        String query2 = "select DISTINCT date from transaction where account_no=\"" +
jl.getText() + "\" Group by date";
        ResultSet rs1 = stmt.executeQuery(query2);
        while (rs1.next()) {
            h.jComboBox2.addItem(rs1.getString("date"));
        }
        String query3 = "select DISTINCT Transaction_type from transaction where
account_no=\"" + jl.getText() + "\" Group by Transaction_type";
        ResultSet rs2 = stmt.executeQuery(query3);
        while (rs2.next()) {
            h.jComboBox1.addItem(rs2.getString("Transaction_type"));
        }
        String query4 = "select DISTINCT to_account_no from transaction where
account_no=\"" + jl.getText() + "\" Group by to_account_no";
        ResultSet rs3 = stmt.executeQuery(query4);
        while (rs3.next()) {
            h.jComboBox3.addItem(rs3.getString("to_account_no"));
        }
        String query1 = "select * from transaction where account_no=\"" + jl.getText() +
"";;
        ResultSet rs = stmt.executeQuery(query1);
        DefaultTableModel model = (DefaultTableModel) h.JTable2.getModel();
        while (rs.next()) {
            model.addRow(new Object[]{rs.getString("Transaction_type"),
rs.getString("date"), rs.getString("amount"), rs.getString("to_account_no")});
            h.setVisible(true);
            h.jLabel5.setText(jl.getText());
            h.jLabel3.setText(jlabel.getText());
            dispose();
        }
    } catch (SQLException e) {

```

```

        System.out.println(e);
    }
}

/**
 * @param args the command line arguments
 */
public static void main(String args[]) {
    /* Set the Nimbus look and feel */
    //
//

/* Create and display the form */
java.awt.EventQueue.invokeLater(new Runnable() {
    public void run() {
        new menu_home().setVisible(true);
    }
}
)
```

```
        }  
    }  
  
    // Variables declaration - do not modify  
    private java.awt.Canvas canvas1;  
    private java.awt.Canvas canvas2;  
    private javax.swing.Box.Filler filler2;  
    private javax.swing.JButton jButton1;  
    private javax.swing.JButton jButton2;  
    private javax.swing.JButton jButton3;  
    private javax.swing.JButton jButton4;  
    private javax.swing.JButton jButton5;  
    private javax.swing.JButton jButton6;  
    private javax.swing.JButton jButton7;  
    private javax.swing.JButton jButton8;  
    private javax.swing.JLabel jLabel1;  
    private javax.swing.JLabel jLabel2;  
    public javax.swing.JLabel jLabel3;  
    private javax.swing.JLabel jLabel4;  
    public javax.swing.JLabel jLabel5;  
    private javax.swing.JPanel jPanel2;  
    private javax.swing.JPanel jPanel3;  
    public javax.swing.JLabel jl;  
    public javax.swing.JLabel jlabel;  
    // End of variables declaration  
}
```

## USER DETAILS

```
/*
 * Click nbfs://nbhost/SystemFileSystem/Templates/Licenses/license-default.txt to change
this license
 * Click nbfs://nbhost/SystemFileSystem/Templates/GUIForms/JFrame.java to edit this
template
 */
package banking.customer;

import connection.connect;
import java.sql.ResultSet;
import java.sql.SQLException;
import java.sql.Statement;
import java.text.SimpleDateFormat;

/**
 *
 * @author Lenovo
 */
public class user_details extends javax.swing.JFrame {

    String nme, phone, father, adhaar, address, pincode, ste, email, password, user;
    int account, accn;

    /**
     * Creates new form user_details
     */
    public user_details() {
        initComponents();
    }

    /**
     * This method is called from within the constructor to initialize the form.
     * WARNING: Do NOT modify this code. The content of this method is always
     * regenerated by the Form Editor.
     */
    @SuppressWarnings("unchecked")
    // <editor-fold defaultstate="collapsed" desc="Generated Code">
    private void initComponents() {

        jPanel1 = new javax.swing.JPanel();
        jLabel1 = new javax.swing.JLabel();
        jPanel2 = new javax.swing.JPanel();
        jLabel2 = new javax.swing.JLabel();
        jLabel3 = new javax.swing.JLabel();
        jLabel4 = new javax.swing.JLabel();
        jLabel5 = new javax.swing.JLabel();
        jLabel6 = new javax.swing.JLabel();
    }
}
```

```

jLabel7 = new javax.swing.JLabel();
jLabel8 = new javax.swing.JLabel();
jLabel11 = new javax.swing.JLabel();
jLabel12 = new javax.swing.JLabel();
jLabel18 = new javax.swing.JLabel();
jLabel9 = new javax.swing.JLabel();
jLabel10 = new javax.swing.JLabel();
jLabel13 = new javax.swing.JLabel();
jLabel14 = new javax.swing.JLabel();
jLabel15 = new javax.swing.JLabel();
jLabel16 = new javax.swing.JLabel();
jLabel17 = new javax.swing.JLabel();
jLabel19 = new javax.swing.JLabel();
jLabel20 = new javax.swing.JLabel();
jButton1 = new javax.swing.JButton();
jButton3 = new javax.swing.JButton();
jLabel21 = new javax.swing.JLabel();
jLabel22 = new javax.swing.JLabel();

setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);

jPanel1.setBackground(new java.awt.Color(153, 255, 153));

jLabel1.setFont(new java.awt.Font("Segoe UI", 3, 36)); // NOI18N
jLabel1.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);
jLabel1.setText("USER DETAILS");

javax.swing.GroupLayout jPanel1Layout = new javax.swing.GroupLayout(jPanel1);
jPanel1.setLayout(jPanel1Layout);
jPanel1Layout.setHorizontalGroup(
    jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel1Layout.createSequentialGroup()
            .addGap(107, 107, 107)
            .addComponent(jLabel1, javax.swing.GroupLayout.PREFERRED_SIZE, 282, javax.swing.GroupLayout.PREFERRED_SIZE)
            .addGap(81, Short.MAX_VALUE))
    );
jPanel1Layout.setVerticalGroup(
    jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel1Layout.createSequentialGroup()
            .addGap(22, 22, 22)
            .addComponent(jLabel1, javax.swing.GroupLayout.PREFERRED_SIZE, 80, javax.swing.GroupLayout.PREFERRED_SIZE)
            .addGap(24, Short.MAX_VALUE))
    );
);

jPanel1Layout.setVerticalGroup(
    jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel1Layout.createSequentialGroup()
            .addGap(22, 22, 22)
            .addComponent(jLabel1, javax.swing.GroupLayout.PREFERRED_SIZE, 80, javax.swing.GroupLayout.PREFERRED_SIZE)
            .addGap(24, Short.MAX_VALUE))
    );
);

jPanel2.setBackground(new java.awt.Color(255, 255, 255));

jLabel2.setText("NAME");

```

```
jLabel3.setText("PHONE NO");

jLabel4.setText("FATHER'S NAME");

jLabel5.setText("ADHAAR NO");

jLabel6.setText("ADDRESS");

jLabel7.setText("PIN CODE");

jLabel8.setText("STATE");

jLabel11.setText("EMAIL ADDRESS");

jLabel12.setText("PASSWORD");

jButton1.setText("back to home");
jButton1.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jButton1ActionPerformed(evt);
    }
});

jButton3.setText("UPDATE");
jButton3.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jButton3ActionPerformed(evt);
    }
});

jLabel21.setText("ACC NO");

javax.swing.GroupLayout jPanel2Layout = new javax.swing.GroupLayout(jPanel2);
jPanel2.setLayout(jPanel2Layout);
jPanel2Layout.setHorizontalGroup(
    jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addGroup(jPanel2Layout.createSequentialGroup()
        .addGap(32, 32, 32)
        .addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(jPanel2Layout.createSequentialGroup()
                .addGap(32, 32, 32)
                .addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                    .addGroup(jPanel2Layout.createSequentialGroup()
                        .addGap(32, 32, 32)
                        .addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                            .addComponent(jLabel3)
                            .addComponent(jLabel4)
                            .addComponent(jLabel5)
                        )
                    )
                )
            )
        )
    )
);

.addComponent(jLabel3)
.addComponent(jLabel4)
.addComponent(jLabel5)
```

```
.addComponent(jLabel6)
.addComponent(jLabel7)
.addComponent(jLabel8)
.addComponent(jLabel11)
.addComponent(jLabel12)
.addComponent(jLabel21))

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
)
    .addGroup(jPanel2Layout.createSequentialGroup()
        .addGap(24, 24, 24)
        .addComponent(jButton3)
        .addGap(58, 58, 58)
        .addComponent(jButton1)
        .addGap(128, 128, 128)
        .addComponent(jLabel18, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))
    .addGroup(jPanel2Layout.createSequentialGroup()
        .addGap(27, 27, 27)

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING
, false)
    .addComponent(jLabel22,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE)
        .addComponent(jLabel9, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
        .addComponent(jLabel10,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE)
        .addComponent(jLabel13,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE)
        .addComponent(jLabel14,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE)
        .addComponent(jLabel15,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE)
        .addComponent(jLabel16,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE)
        .addComponent(jLabel17,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE)
        .addComponent(jLabel19,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE)
```

```
        .addComponent(jLabel20,
javax.swing.GroupLayout.DEFAULT_SIZE, 305, Short.MAX_VALUE))
        .addGap(0, 0, Short.MAX_VALUE))))
    .addGroup(jPanel2Layout.createSequentialGroup()
        .addComponent(jLabel2)
        .addGap(0, 0, Short.MAX_VALUE))))
);
jPanel2Layout.setVerticalGroup(
    jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addGroup(jPanel2Layout.createSequentialGroup()
        .addGap(32, 32, 32)

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
    .addComponent(jLabel2)
    .addComponent(jLabel9, javax.swing.GroupLayout.PREFERRED_SIZE, 22,
javax.swing.GroupLayout.PREFERRED_SIZE))
    .addGap(20, 20, 20)

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
)
    .addComponent(jLabel3)
    .addComponent(jLabel10, javax.swing.GroupLayout.PREFERRED_SIZE, 22,
javax.swing.GroupLayout.PREFERRED_SIZE))
    .addGap(18, 18, 18)

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
)
    .addComponent(jLabel4)
    .addComponent(jLabel13, javax.swing.GroupLayout.PREFERRED_SIZE, 21,
javax.swing.GroupLayout.PREFERRED_SIZE))
    .addGap(21, 21, 21)

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
)
    .addComponent(jLabel5)
    .addComponent(jLabel14, javax.swing.GroupLayout.PREFERRED_SIZE, 22,
javax.swing.GroupLayout.PREFERRED_SIZE))
    .addGap(18, 18, 18)

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
)
    .addComponent(jLabel6)
    .addComponent(jLabel15, javax.swing.GroupLayout.PREFERRED_SIZE, 22,
javax.swing.GroupLayout.PREFERRED_SIZE))
    .addGap(18, 18, 18)

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
)
```

```

        .addComponent(jLabel7)
        .addComponent(jLabel16, javax.swing.GroupLayout.PREFERRED_SIZE, 22,
javax.swing.GroupLayout.PREFERRED_SIZE))
        .addGap(18, 18, 18)

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
)
        .addComponent(jLabel8)
        .addComponent(jLabel17, javax.swing.GroupLayout.PREFERRED_SIZE, 25,
javax.swing.GroupLayout.PREFERRED_SIZE))
        .addGap(18, 18, 18)

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
)
        .addComponent(jLabel11)
        .addComponent(jLabel19, javax.swing.GroupLayout.PREFERRED_SIZE, 22,
javax.swing.GroupLayout.PREFERRED_SIZE))
        .addGap(18, 18, 18)

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
)
        .addComponent(jLabel12)
        .addComponent(jLabel20, javax.swing.GroupLayout.PREFERRED_SIZE, 25,
javax.swing.GroupLayout.PREFERRED_SIZE))
        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
)
        .addComponent(jLabel21)
        .addComponent(jLabel22, javax.swing.GroupLayout.PREFERRED_SIZE, 25,
javax.swing.GroupLayout.PREFERRED_SIZE))
        .addGap(18, 18, 18)

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
)
        .addComponent(jLabel18, javax.swing.GroupLayout.PREFERRED_SIZE, 22,
javax.swing.GroupLayout.PREFERRED_SIZE)

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
)
        .addComponent(jButton3)
        .addComponent(jButton1)))
        .addContainerGap(18, Short.MAX_VALUE))
);

javax.swing.GroupLayout layout = new javax.swing.GroupLayout(getContentPane());
getContentPane().setLayout(layout);
layout.setHorizontalGroup(
    layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

```

```

        .addGroup(layout.createSequentialGroup()
            .addContainerGap()

        .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)
            .addComponent(jPanel1, javax.swing.GroupLayout.DEFAULT_SIZE,
        javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
            .addComponent(jPanel2, javax.swing.GroupLayout.DEFAULT_SIZE, 470,
        Short.MAX_VALUE))
            .addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))
    );
    layout.setVerticalGroup(
        layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(layout.createSequentialGroup()
            .addContainerGap()
            .addComponent(jPanel1, javax.swing.GroupLayout.PREFERRED_SIZE,
        javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
            .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
            .addComponent(jPanel2, javax.swing.GroupLayout.DEFAULT_SIZE,
        javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
            .addContainerGap())
    );
    pack();
}// </editor-fold>

private void jButton1ActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
    connect cn = new connect();
    try {
        Statement stmt = cn.conn();
        String query1 = "select * from dashboard where Account_no=\"" +
    jLabel22.getText() + "\"";
        ResultSet rs = stmt.executeQuery(query1);
        while (rs.next()) {
            accn = Integer.parseInt(rs.getString("Account_no"));
            user = rs.getString("email");
            menu_home home = new menu_home();
            home.setVisible(true);
            home.jl.setText(Integer.toString(accn));
            home.jlabel.setText(user);
            SimpleDateFormat formatter = new SimpleDateFormat("dd-MM-yyyy");
            String formattedDate = formatter.format(new java.util.Date());
            home.jLabel3.setText("DATE : " + formattedDate);
            dispose();
        }
    } catch (NumberFormatException | SQLException e) {
        System.out.println(e);
    }
}

```

```

private void jButton3ActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
    connect cn = new connect();
    try {
        Statement stmt = cn.conn();
        String query1 = "select * from dashboard where Account_no='" +
jLabel22.getText() + "'";
        ResultSet rs = stmt.executeQuery(query1);
        while (rs.next()) {
            accn = Integer.parseInt(rs.getString("Account_no"));
            user = rs.getString("email");

            nme = rs.getString("name");
            phone = rs.getString("phone");
            father = rs.getString("father");
            adhaar = rs.getString("adhaar");
            address = rs.getString("address");
            pincode = rs.getString("pincode");
            ste = rs.getString("state");
            email = rs.getString("email");
            password = rs.getString("password");
            update up = new update();
            up.setVisible(true);
            up.jLabel24.setText(Integer.toString(accn));
            up.jTextField1.setText(nme);
            up.jTextField2.setText(phone);
            up.jTextField3.setText(father);
            up.jTextField4.setText(adhaar);
            up.jTextField5.setText(address);
            up.jTextField6.setText(pincode);
            up.jTextField7.setText(ste);
            up.jTextField8.setText(email);
            up.jPasswordField1.setText(password);
            dispose();
        }
    } catch (NumberFormatException | SQLException e) {
        System.out.println(e);
    }
}

/**
 * @param args the command line arguments
 */
public static void main(String args[]) {

```

```

/* Set the Nimbus look and feel */
//<editor-fold defaultstate="collapsed" desc=" Look and feel setting code (optional)
">
    /* If Nimbus (introduced in Java SE 6) is not available, stay with the default look and
feel.
     * For details see
http://download.oracle.com/javase/tutorial/uiswing/lookandfeel/plaf.html
    */
try {
    for (javax.swing.UIManager.LookAndFeelInfo info :
javax.swing.UIManager.getInstalledLookAndFeels()) {
        if ("Nimbus".equals(info.getName())) {
            javax.swing.UIManager.setLookAndFeel(info.getClassName());
            break;
        }
    }
} catch (ClassNotFoundException ex) {

java.util.logging.Logger.getLogger(user_details.class.getName()).log(java.util.logging.Level.
SEVERE, null, ex);
} catch (InstantiationException ex) {

java.util.logging.Logger.getLogger(user_details.class.getName()).log(java.util.logging.Level.
SEVERE, null, ex);
} catch (IllegalAccessException ex) {

java.util.logging.Logger.getLogger(user_details.class.getName()).log(java.util.logging.Level.
SEVERE, null, ex);
} catch (javax.swing.UnsupportedLookAndFeelException ex) {

java.util.logging.Logger.getLogger(user_details.class.getName()).log(java.util.logging.Level.
SEVERE, null, ex);
}
//</editor-fold>

/* Create and display the form */
java.awt.EventQueue.invokeLater(new Runnable() {
    public void run() {
        new user_details().setVisible(true);
    }
});
}

// Variables declaration - do not modify
private javax.swing.JButton jButton1;
private javax.swing.JButton jButton3;
private javax.swing.JLabel jLabel1;
public javax.swing.JLabel jLabel10;
private javax.swing.JLabel jLabel11;

```

```
private javax.swing.JLabel jLabel12;
public javax.swing.JLabel jLabel13;
public javax.swing.JLabel jLabel14;
public javax.swing.JLabel jLabel15;
public javax.swing.JLabel jLabel16;
public javax.swing.JLabel jLabel17;
private javax.swing.JLabel jLabel18;
public javax.swing.JLabel jLabel19;
private javax.swing.JLabel jLabel2;
public javax.swing.JLabel jLabel20;
private javax.swing.JLabel jLabel21;
public javax.swing.JLabel jLabel22;
private javax.swing.JLabel jLabel3;
private javax.swing.JLabel jLabel4;
private javax.swing.JLabel jLabel5;
private javax.swing.JLabel jLabel6;
private javax.swing.JLabel jLabel7;
private javax.swing.JLabel jLabel8;
public javax.swing.JLabel jLabel9;
private javax.swing.JPanel jPanel1;
private javax.swing.JPanel jPanel2;
// End of variables declaration
}
```

## CHECK BALANCE

```
package banking.customer;

import banking.admin.admindashboard;
import connection.connect;
import java.sql.Statement;
import java.sql.ResultSet;
import java.sql.SQLException;
import java.text.SimpleDateFormat;

/**
 *
 * @author Lenovo
 */
public class checkBalance extends javax.swing.JFrame {

    int accn;
    String user, usertype;

    /**
     * Creates new form checkBalance
     */
    public checkBalance() {
        initComponents();
    }

    /**
     * This method is called from within the constructor to initialize the form.
     * WARNING: Do NOT modify this code. The content of this method is always
     * regenerated by the Form Editor.
     */
    @SuppressWarnings("unchecked")
    // <editor-fold defaultstate="collapsed" desc="Generated Code">
    private void initComponents() {

        jPanel1 = new javax.swing.JPanel();
        jLabel1 = new javax.swing.JLabel();
        jPanel2 = new javax.swing.JPanel();
        jLabel2 = new javax.swing.JLabel();
        jLabel3 = new javax.swing.JLabel();
        jLabel4 = new javax.swing.JLabel();
        jLabel5 = new javax.swing.JLabel();
        jLabel6 = new javax.swing.JLabel();
        jLabel7 = new javax.swing.JLabel();
        jButton1 = new javax.swing.JButton();

        setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);

        jPanel1.setLayout(null);

        jLabel1.setText("User Name");
        jPanel1.add(jLabel1);
        jLabel1.setBounds(150, 100, 150, 50);

        jPanel2.setLayout(null);

        jLabel2.setText("User Type");
        jPanel2.add(jLabel2);
        jLabel2.setBounds(150, 150, 150, 50);

        jLabel3.setText("Account No.");
        jPanel2.add(jLabel3);
        jLabel3.setBounds(150, 200, 150, 50);

        jLabel4.setText("Name");
        jPanel2.add(jLabel4);
        jLabel4.setBounds(150, 250, 150, 50);

        jLabel5.setText("Address");
        jPanel2.add(jLabel5);
        jLabel5.setBounds(150, 300, 150, 50);

        jLabel6.setText("Phone");
        jPanel2.add(jLabel6);
        jLabel6.setBounds(150, 350, 150, 50);

        jLabel7.setText("Email");
        jPanel2.add(jLabel7);
        jLabel7.setBounds(150, 400, 150, 50);

        jButton1.setText("Check Balance");
        jPanel2.add(jButton1);
        jButton1.setBounds(150, 450, 150, 50);

        jPanel1.add(jPanel2);
        jPanel2.setBounds(200, 100, 300, 300);

        javax.swing.GroupLayout layout = new javax.swing.GroupLayout(getContentPane());
        getContentPane().setLayout(layout);
        layout.setHorizontalGroup(
            layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(layout.createSequentialGroup()
                .addComponent(jPanel1, javax.swing.GroupLayout.PREFERRED_SIZE, 300, javax.swing.GroupLayout.PREFERRED_SIZE)
                .addGap(0, 0, 0)
                .addComponent(jPanel2, javax.swing.GroupLayout.PREFERRED_SIZE, 300, javax.swing.GroupLayout.PREFERRED_SIZE)
            )
        );
        layout.setVerticalGroup(
            layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addComponent(jPanel1, javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
            .addComponent(jPanel2, javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
        );

        pack();
    }

    // Variables declaration - do not modify//GEN-BEGIN:variables
    private javax.swing.JButton jButton1;
    private javax.swing.JLabel jLabel1;
    private javax.swing.JLabel jLabel2;
    private javax.swing.JLabel jLabel3;
    private javax.swing.JLabel jLabel4;
    private javax.swing.JLabel jLabel5;
    private javax.swing.JLabel jLabel6;
    private javax.swing.JLabel jLabel7;
    private javax.swing.JPanel jPanel1;
    private javax.swing.JPanel jPanel2;
    // End of variables declaration//GEN-END:variables
}
```

```
jPanel1.setBackground(new java.awt.Color(204, 255, 204));  
  
jLabel1.setFont(new java.awt.Font("Segoe UI", 0, 48)); // NOI18N  
jLabel1.setText("BALANCE");  
  
javax.swing.GroupLayout jPanel1Layout = new javax.swing.GroupLayout(jPanel1);  
jPanel1.setLayout(jPanel1Layout);  
jPanel1Layout.setHorizontalGroup(  
    jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)  
    .addGroup(jPanel1Layout.createSequentialGroup()  
        .addGap(115, 115, 115)  
        .addComponent(jLabel1)  
        .addGapContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)  
    )  
);  
jPanel1Layout.setVerticalGroup(  
    jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)  
    .addGroup(jPanel1Layout.createSequentialGroup()  
        .addGap(13, 13, 13)  
        .addComponent(jLabel1)  
        .addGapContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)  
    )  
);  
  
jPanel2.setBackground(new java.awt.Color(255, 255, 255));  
  
jLabel2.setText("username");  
  
jLabel4.setText("your current balance is");  
  
jLabel5.setBorder(javax.swing.BorderFactory.createLineBorder(new java.awt.Color(0, 0, 0)));  
  
jButton1.setText("back to home");  
jButton1.addActionListener(new java.awt.event.ActionListener() {  
    public void actionPerformed(java.awt.event.ActionEvent evt) {  
        jButton1ActionPerformed(evt);  
    }  
});  
  
javax.swing.GroupLayout jPanel2Layout = new javax.swing.GroupLayout(jPanel2);  
jPanel2.setLayout(jPanel2Layout);  
jPanel2Layout.setHorizontalGroup(  
    jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)  
    .addGroup(jPanel2Layout.createSequentialGroup()  
        .addGap(24, 24, 24)  
        .addGapGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)  
            .addGroup(jPanel2Layout.createSequentialGroup()  
                .addGapGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)  
                    .addComponent(jButton1)  
                    .addComponent(jLabel5)  
                )  
            )  
        )  
    )  
);
```

```

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING
, false)
        .addComponent(jLabel2, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
        .addComponent(jLabel3, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))
        .addGap(30, 30, 30)

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING
, false)
        .addComponent(jLabel6, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
        .addComponent(jLabel7, javax.swing.GroupLayout.DEFAULT_SIZE, 304,
Short.MAX_VALUE))
        .addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE))
        .addGroup(jPanel2Layout.createSequentialGroup()
            .addComponent(jLabel4, javax.swing.GroupLayout.PREFERRED_SIZE, 142,
javax.swing.GroupLayout.PREFERRED_SIZE)
            .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED,
109, Short.MAX_VALUE)
            .addComponent(jLabel5, javax.swing.GroupLayout.PREFERRED_SIZE, 120,
javax.swing.GroupLayout.PREFERRED_SIZE)
            .addGap(37, 37, 37)))
        .addGroup(jPanel2Layout.createSequentialGroup()
            .addGap(164, 164, 164)
            .addComponent(jButton1)
            .addGap(0, 0, Short.MAX_VALUE)))
    );
jPanel2Layout.setVerticalGroup(
    jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel2Layout.createSequentialGroup()
            .addGap(16, 16, 16)

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING
, false)
        .addComponent(jLabel2, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
        .addComponent(jLabel6, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))
        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
        .addComponent(jLabel3, javax.swing.GroupLayout.PREFERRED_SIZE, 16,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addComponent(jLabel7, javax.swing.GroupLayout.PREFERRED_SIZE, 16,
javax.swing.GroupLayout.PREFERRED_SIZE))

```

```

        .addGap(33, 33, 33)

    .addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
        .addComponent(jLabel4)
        .addComponent(jLabel5, javax.swing.GroupLayout.PREFERRED_SIZE, 16,
javax.swing.GroupLayout.PREFERRED_SIZE))
        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED, 35,
Short.MAX_VALUE)
        .addComponent(jButton1)
        .addGap(21, 21, 21))
    );

    javax.swing.GroupLayout layout = new javax.swing.GroupLayout(getContentPane());
    getContentPane().setLayout(layout);
    layout.setHorizontalGroup(
        layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
layout.createSequentialGroup()
            .addGapContainerGap()

        .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING)
            .addComponent(jPanel2, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
            .addComponent(jPanel1, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))
        .addGapContainerGap())
    );
    layout.setVerticalGroup(
        layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(layout.createSequentialGroup()
            .addGapContainerGap()
            .addComponent(jPanel1, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
            .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
            .addComponent(jPanel2, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
            .addGapContainerGap())
    );
    pack();
}// </editor-fold>

private void jButton1ActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
    connect cn = new connect();
    try {
        Statement stmt = cn.conn();
        if (jLabel3.getText().equals("acc no")) {

```

```

        String query1 = "select * from dashboard where Account_no=\'" +
jLabel7.getText() + "'";
        ResultSet rs = stmt.executeQuery(query1);
        while (rs.next()) {
            accn = Integer.parseInt(rs.getString("Account_no"));
            user = rs.getString("email");
            menu_home home = new menu_home();
            home.setVisible(true);
            home.jl.setText(Integer.toString(accn));
            home.jlabel.setText(user);
            SimpleDateFormat formatter = new SimpleDateFormat("dd-MM-yyyy");
            String formattedDate = formatter.format(new java.util.Date());
            home.jLabel3.setText("DATE : " + formattedDate);
            dispose();
        }
    } else if (jLabel3.getText().equals("admin no")) {
        String query2 = "select * from admin where admin_no=\'" + jLabel7.getText() +
"\'";
        ResultSet rs1 = stmt.executeQuery(query2);
        while (rs1.next()) {

            accn = Integer.parseInt(rs1.getString("admin_no"));
            user = rs1.getString("email");
            usertype = rs1.getString("usertype");
            admindashboard ad = new admindashboard();
            ad.setVisible(true);
            ad.jl.setText(Integer.toString(accn));
            ad.jLabel6.setText(usertype);
            ad.jlabel.setText(user);
            if (usertype.equals("user")) {
                ad.JButton4.setVisible(false);
            }
            SimpleDateFormat formatter = new SimpleDateFormat("dd-MM-yyyy");
            String formattedDate = formatter.format(new java.util.Date());
            ad.jLabel3.setText("DATE : " + formattedDate);
            dispose();
        }
    }
} catch (NumberFormatException | SQLException e) {
    System.out.println(e);
}
}

/** 
 * @param args the command line arguments
 */
public static void main(String args[]) {
    /* Set the Nimbus look and feel */

```

```

//<editor-fold defaultstate="collapsed" desc=" Look and feel setting code (optional)
">
/* If Nimbus (introduced in Java SE 6) is not available, stay with the default look and
feel.
 * For details see
http://download.oracle.com/javase/tutorial/uiswing/lookandfeel/plaf.html
 */
try {
    for (javax.swing.UIManager.LookAndFeelInfo info :
javax.swing.UIManager.getInstalledLookAndFeels()) {
        if ("Nimbus".equals(info.getName())) {
            javax.swing.UIManager.setLookAndFeel(info.getClassName());
            break;
        }
    }
} catch (ClassNotFoundException ex) {

java.util.logging.Logger.getLogger(checkBalance.class.getName()).log(java.util.logging.Level
.SEVERE, null, ex);
} catch (InstantiationException ex) {

java.util.logging.Logger.getLogger(checkBalance.class.getName()).log(java.util.logging.Level
.SEVERE, null, ex);
} catch (IllegalAccessException ex) {

java.util.logging.Logger.getLogger(checkBalance.class.getName()).log(java.util.logging.Level
.SEVERE, null, ex);
} catch (javax.swing.UnsupportedLookAndFeelException ex) {

java.util.logging.Logger.getLogger(checkBalance.class.getName()).log(java.util.logging.Level
.SEVERE, null, ex);
}
//</editor-fold>

/* Create and display the form */
java.awt.EventQueue.invokeLater(new Runnable() {
    public void run() {
        new checkBalance().setVisible(true);
    }
});
}

// Variables declaration - do not modify
private javax.swing.JButton jButton1;
private javax.swing.JLabel jLabel1;
private javax.swing.JLabel jLabel2;
public javax.swing.JLabel jLabel3;
private javax.swing.JLabel jLabel4;
public javax.swing.JLabel jLabel5;

```

```
public javax.swing.JLabel jLabel6;
public javax.swing.JLabel jLabel7;
private javax.swing.JPanel jPanel1;
private javax.swing.JPanel jPanel2;
// End of variables declaration
}
```

# WITHDRAW

```
package banking.customer;

import banking.admin.admindashboard;
import connection.connect;
import java.awt.HeadlessException;
import java.sql.ResultSet;
import java.sql.SQLException;
import java.sql.Statement;
import java.text.SimpleDateFormat;
import javax.swing.JOptionPane;

/*
 * Click nbfs://nbhost/SystemFileSystem/Templates/Licenses/license-default.txt to change
this license
 * Click nbfs://nbhost/SystemFileSystem/Templates/GUIForms/JFrame.java to edit this
template
 */
/**
 *
 * @author Lenovo
 */
public class withdraw extends javax.swing.JFrame {

    String user, usertype;
    int accn, currentValue;

    /**
     * Creates new form withdraw
     */
    public withdraw() {
        initComponents();
    }

    /**
     * This method is called from within the constructor to initialize the form.
     * WARNING: Do NOT modify this code. The content of this method is always
     * regenerated by the Form Editor.
     */
    @SuppressWarnings("unchecked")
// <editor-fold defaultstate="collapsed" desc="Generated Code">
private void initComponents() {

    jPanel1 = new javax.swing.JPanel();
    jLabel1 = new javax.swing.JLabel();
    jPanel2 = new javax.swing.JPanel();
    jLabel2 = new javax.swing.JLabel();
    jTextField1 = new javax.swing.JTextField();
    
```

```

jButton1 = new javax.swing.JButton();
jButton2 = new javax.swing.JButton();
jButton3 = new javax.swing.JButton();
jLabel3 = new javax.swing.JLabel();
jLabel5 = new javax.swing.JLabel();
jLabel6 = new javax.swing.JLabel();
jLabel7 = new javax.swing.JLabel();
jLabel8 = new javax.swing.JLabel();
jLabel9 = new javax.swing.JLabel();

setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);

jPanel1.setBackground(new java.awt.Color(255, 255, 102));

jLabel1.setBackground(new java.awt.Color(255, 255, 0));
jLabel1.setFont(new java.awt.Font("Segoe UI", 3, 24)); // NOI18N
jLabel1.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);
jLabel1.setText("WITHDRAW");

javax.swing.GroupLayout jPanel1Layout = new javax.swing.GroupLayout(jPanel1);
jPanel1.setLayout(jPanel1Layout);
jPanel1Layout.setHorizontalGroup(
    jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel1Layout.createSequentialGroup()
            .addGap(122, 122, 122)
            .addComponent(jLabel1, javax.swing.GroupLayout.PREFERRED_SIZE, 198, javax.swing.GroupLayout.PREFERRED_SIZE)
            .addGap(20, Short.MAX_VALUE))
        .addGroup(jPanel1Layout.createSequentialGroup()
            .addGap(21, 21, 21)
            .addComponent(jLabel1)
            .addGap(20, Short.MAX_VALUE))
);
jPanel1Layout.setVerticalGroup(
    jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel1Layout.createSequentialGroup()
            .addGap(122, 122, 122)
            .addComponent(jLabel1, javax.swing.GroupLayout.PREFERRED_SIZE, 198, javax.swing.GroupLayout.PREFERRED_SIZE)
            .addGap(20, Short.MAX_VALUE))
        .addGroup(jPanel1Layout.createSequentialGroup()
            .addGap(21, 21, 21)
            .addComponent(jLabel1)
            .addGap(20, Short.MAX_VALUE))
);
jPanel1Layout.setVerticalGroup(
    jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel1Layout.createSequentialGroup()
            .addGap(21, 21, 21)
            .addComponent(jLabel1)
            .addGap(20, Short.MAX_VALUE))
);

jPanel2.setBackground(new java.awt.Color(255, 255, 255));

jLabel2.setText("withdraw amount");

jButton1.setText("withdraw");
jButton1.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jButton1ActionPerformed(evt);
    }
});
jButton2.setText("exit");

```

```

jButton2.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jButton2ActionPerformed(evt);
    }
});

jButton3.setText("back to home page");
jButton3.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jButton3ActionPerformed(evt);
    }
});

jLabel3.setText("username");

jLabel8.setText("date");

javax.swing.GroupLayout jPanel2Layout = new javax.swing.GroupLayout(jPanel2);
jPanel2.setLayout(jPanel2Layout);
jPanel2Layout.setHorizontalGroup(
    jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addGroup(jPanel2Layout.createSequentialGroup()
        .addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(jPanel2Layout.createSequentialGroup()
                .addGap(61, 61, 61)
                .addComponent(jButton1)
                .addGap(49, 49, 49)
                .addComponent(jButton2)
                .addGap(18, 18, 18)
                .addComponent(jButton3))
            .addGroup(jPanel2Layout.createSequentialGroup()
                .addGap(34, 34, 34)
                .addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                    .addGroup(jPanel2Layout.createSequentialGroup()
                        .addGap(31, 31, 31)
                        .addComponent(jLabel8,
                            javax.swing.GroupLayout.PREFERRED_SIZE, 37,
                            javax.swing.GroupLayout.PREFERRED_SIZE))
                    .addGroup(jPanel2Layout.createSequentialGroup()
                        .addGap(31, 31, 31)
                        .addComponent(jLabel5,
                            javax.swing.GroupLayout.PREFERRED_SIZE, Short.MAX_VALUE)))))))
    .addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel2Layout.createSequentialGroup()
            .addGap(34, 34, 34)
            .addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                .addGroup(jPanel2Layout.createSequentialGroup()
                    .addGap(31, 31, 31)
                    .addComponent(jLabel8,
                        javax.swing.GroupLayout.PREFERRED_SIZE, 37,
                        javax.swing.GroupLayout.PREFERRED_SIZE))
                .addGroup(jPanel2Layout.createSequentialGroup()
                    .addGap(31, 31, 31)
                    .addComponent(jLabel5,
                        javax.swing.GroupLayout.PREFERRED_SIZE, Short.MAX_VALUE)))))))
));

```

```
        .addComponent(jLabel3, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))
        .addGap(15, 15, 15)

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING
, false)
        .addComponent(jLabel6, javax.swing.GroupLayout.DEFAULT_SIZE,
289, Short.MAX_VALUE)
        .addComponent(jLabel7, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
        .addGroup(jPanel2Layout.createSequentialGroup()
        .addGap(10, 10, 10)
        .addComponent(jLabel9,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE)))
        .addGroup(jPanel2Layout.createSequentialGroup()
        .addComponent(jLabel2)
        .addGap(35, 35, 35)
        .addComponent(jTextField1,
javax.swing.GroupLayout.PREFERRED_SIZE, 222,
javax.swing.GroupLayout.PREFERRED_SIZE))))
        .addContainerGap(43, Short.MAX_VALUE))
);

jPanel2Layout.setVerticalGroup(
    jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addGroup(jPanel2Layout.createSequentialGroup()
    .addGap(15, 15, 15)

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING
, false)
        .addComponent(jLabel3)
        .addComponent(jLabel6, javax.swing.GroupLayout.DEFAULT_SIZE, 22,
Short.MAX_VALUE))
        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING
, false)
        .addComponent(jLabel7, javax.swing.GroupLayout.DEFAULT_SIZE, 22,
Short.MAX_VALUE)
        .addComponent(jLabel5, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))
        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED, 12,
Short.MAX_VALUE)

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING
)
        .addComponent(jLabel8)
        .addComponent(jLabel9, javax.swing.GroupLayout.PREFERRED_SIZE, 25,
javax.swing.GroupLayout.PREFERRED_SIZE))
```

```

        .addGap(18, 18, 18)

    .addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
)
        .addComponent(jLabel2)
        .addComponent(jTextField1, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))
    .addGap(34, 34, 34)

    .addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
)
        .addComponent(jButton1)
        .addComponent(jButton2)
        .addComponent(jButton3))
    .addGap(26, 26, 26))
);

javax.swing.GroupLayout layout = new javax.swing.GroupLayout(getContentPane());
getContentPane().setLayout(layout);
layout.setHorizontalGroup(
    layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addGroup(layout.createSequentialGroup()
        .addContainerGap()

    .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addComponent(jPanel1, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
        .addComponent(jPanel2, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))
    .addContainerGap())
);
layout.setVerticalGroup(
    layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addGroup(layout.createSequentialGroup()
        .addContainerGap()
        .addComponent(jPanel1, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
        .addComponent(jPanel2, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
        .addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))
    );
    pack();
}// </editor-fold>

private void jButton2ActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
    jTextField1.setText(null);
}

```

```

}

private void jButton1ActionPerformed(java.awt.event.ActionEvent evt) {
    connect cn = new connect();
    try {
        menu_home home = new menu_home();
        admindashboard ad = new admindashboard();
        int dp = Integer.parseInt(jTextField1.getText());
        Statement stmt = cn.conn();
        checkBalance cb = new checkBalance();
        if (jLabel5.getText().equals("acc no")) {
            String query1 = "select * from dashboard where Account_no=" + 
jLabel7.getText() + "";
            ResultSet rs = stmt.executeQuery(query1);
            while (rs.next()) {
                if (dp > 0) {
                    int result = JOptionPane.showConfirmDialog(this, "Are your sure to
withdraw Rs. " + dp + "?", "warning", JOptionPane.YES_NO_OPTION,
JOptionPane.QUESTION_MESSAGE);
                    switch (result) {
                        case JOptionPane.YES_OPTION -> {

                            accn = Integer.parseInt(rs.getString("Account_no"));
                            user = rs.getString("email");
                            currentValue = rs.getInt("balance");

                            int newValue = currentValue - dp;
                            String query2 = "UPDATE dashboard SET balance = " + newValue +
"" WHERE Account_no = " + jLabel7.getText() + "";
                            stmt.executeUpdate(query2);
                            String query4 = "INSERT INTO
transaction(account_no,Transaction_type,date,amount,to_account_no)VALUES (" +
jLabel7.getText() + ", " + jLabel1.getText() + ", " + jLabel9.getText() + "," +
jTextField1.getText() + "," + jLabel7.getText() + ")";
                            stmt.executeUpdate(query4);
                            JOptionPane.showMessageDialog(this, "withdrawed succesfully");
                            cb.setVisible(true);
                            cb.jLabel7.setText(Integer.toString(accn));
                            cb.jLabel6.setText(user);
                            cb.jLabel3.setText("acc no");
                            cb.jLabel5.setText(Integer.toString(newValue));
                            dispose();
                        }
                    }
                }
            }
        }
    }
}

```



```

        case JOptionPane.NO_OPTION -> {

            accn = Integer.parseInt(rs1.getString("admin_no"));
            user = rs1.getString("email");
            usertype = rs1.getString("usertype");
            ad.setVisible(true);
            ad.jButton4.setVisible(false);

            ad.jl.setText(Integer.toString(accn));
            ad jLabel.setText(user);
            ad jLabel6.setText(usertype);
            SimpleDateFormat formatter = new SimpleDateFormat("dd-MM-
yyyy");
            String formattedDate = formatter.format(new java.util.Date());
            ad jLabel3.setText("DATE : " + formattedDate);
            dispose();
        }
    }
} else {
    JOptionPane.showMessageDialog(this, "please enter the valid amount");
}
}

}

} catch (HeadlessException | NumberFormatException | SQLException e) {
    System.out.println(e);
}

}

private void jButton3ActionPerformed(java.awt.event.ActionEvent evt) {
    connect cn = new connect();
    try {
        Statement stmt = cn.conn();

        if (jLabel5.getText().equals("acc no")) {
            String query1 = "select * from dashboard where Account_no=" +
jLabel7.getText() + "";
            ResultSet rs = stmt.executeQuery(query1);
            while (rs.next()) {
                accn = Integer.parseInt(rs.getString("Account_no"));
                user = rs.getString("email");
                menu_home home = new menu_home();
                home.setVisible(true);
                home.jl.setText(Integer.toString(accn));
                home jLabel.setText(user);
                SimpleDateFormat formatter = new SimpleDateFormat("dd-MM-yyyy");
                String formattedDate = formatter.format(new java.util.Date());
                home jLabel3.setText("DATE : " + formattedDate);
            }
        }
    }
}

```

```

        dispose();
    }
} else if (jLabel5.getText().equals("admin no")) {
    String query2 = "select * from admin where admin_no='" + jLabel7.getText() +
""";
    ResultSet rs = stmt.executeQuery(query2);
    while (rs.next()) {
        accn = Integer.parseInt(rs.getString("admin_no"));
        user = rs.getString("email");
        usertype = rs.getString("usertype");
        admindashboard home = new admindashboard();
        home.setVisible(true);
        if (usertype.equals("user")) {
            home.jButton4.setVisible(false);
        }
        home.jl.setText(Integer.toString(accn));
        home.jlabel.setText(user);
        home.jLabel6.setText(usertype);
        SimpleDateFormat formatter = new SimpleDateFormat("dd-MM-yyyy");
        String formattedDate = formatter.format(new java.util.Date());
        home.jLabel3.setText("DATE : " + formattedDate);
        dispose();
    }
}
} catch (NumberFormatException | SQLException e) {
    System.out.println(e);
}
}

/**
 * @param args the command line arguments
 */
public static void main(String args[]) {
    /* Set the Nimbus look and feel */
    //<editor-fold defaultstate="collapsed" desc=" Look and feel setting code (optional)
">
    /* If Nimbus (introduced in Java SE 6) is not available, stay with the default look and
feel.
     * For details see
http://download.oracle.com/javase/tutorial/uiswing/lookandfeel/plaf.html
*/
    try {
        for (javax.swing.UIManager.LookAndFeelInfo info :
javax.swing.UIManager.getInstalledLookAndFeels()) {
            if ("Nimbus".equals(info.getName())) {
                javax.swing.UIManager.setLookAndFeel(info.getClassName());
                break;
            }
        }
    }
}

```

```
        } catch (ClassNotFoundException ex) {

            java.util.logging.Logger.getLogger(withdraw.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
        } catch (InstantiationException ex) {

            java.util.logging.Logger.getLogger(withdraw.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
        } catch (IllegalAccessException ex) {

            java.util.logging.Logger.getLogger(withdraw.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
        } catch (javax.swing.UnsupportedLookAndFeelException ex) {

            java.util.logging.Logger.getLogger(withdraw.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
        }
    //
```

/\* Create and display the form \*/

```
    java.awt.EventQueue.invokeLater(new Runnable() {
        public void run() {
            new withdraw().setVisible(true);
        }
    });
}

// Variables declaration - do not modify
private javax.swing.JButton jButton1;
private javax.swing.JButton jButton2;
private javax.swing.JButton jButton3;
private javax.swing.JLabel jLabel1;
private javax.swing.JLabel jLabel2;
private javax.swing.JLabel jLabel3;
public javax.swing.JLabel jLabel5;
public javax.swing.JLabel jLabel6;
public javax.swing.JLabel jLabel7;
private javax.swing.JLabel jLabel8;
public javax.swing.JLabel jLabel9;
private javax.swing.JPanel jPanel1;
private javax.swing.JPanel jPanel2;
private javax.swing.JTextField jTextField1;
// End of variables declaration
}
```

## DEPOSIT

```
package banking.customer;

import banking.admin.admindashboard;
import connection.connect;
import java.awt.HeadlessException;
import java.sql.ResultSet;
import java.sql.SQLException;
import java.sql.Statement;
import java.text.SimpleDateFormat;
import javax.swing.JOptionPane;
public class deposit extends javax.swing.JFrame {

    int accn = 0, currentValue = 0,adminno;
    String user, B, usertype;
    public deposit() {
        initComponents();
    }
    @SuppressWarnings("unchecked")
    // <editor-fold defaultstate="collapsed" desc="Generated Code">
    private void initComponents() {

        jPanel1 = new javax.swing.JPanel();
        jLabel1 = new javax.swing.JLabel();
        jPanel2 = new javax.swing.JPanel();
        jLabel2 = new javax.swing.JLabel();
        jLabel3 = new javax.swing.JLabel();
        jTextField1 = new javax.swing.JTextField();
        jButton1 = new javax.swing.JButton();
        jButton2 = new javax.swing.JButton();
        jButton3 = new javax.swing.JButton();
        jLabel4 = new javax.swing.JLabel();
        jLabel5 = new javax.swing.JLabel();
        jLabel6 = new javax.swing.JLabel();
        jLabel7 = new javax.swing.JLabel();
        jLabel8 = new javax.swing.JLabel();

        setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);

        jPanel1.setBackground(new java.awt.Color(255, 255, 102));

        jLabel1.setBackground(new java.awt.Color(255, 255, 0));
        jLabel1.setFont(new java.awt.Font("Segoe UI", 3, 24)); // NOI18N
        jLabel1.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);
        jLabel1.setText("deposit");

        jPanel2.setBackground(new java.awt.Color(255, 255, 255));
```



```
.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
)
    .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
jPanel2Layout.createSequentialGroup()

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
)
    .addComponent(jLabel5, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
    .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
jPanel2Layout.createSequentialGroup()
        .addGap(0, 0, Short.MAX_VALUE)
        .addComponent(jLabel4)
        .addComponent(jLabel3, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING,
false)
    .addComponent(jLabel6, javax.swing.GroupLayout.DEFAULT_SIZE, 279,
Short.MAX_VALUE)
    .addComponent(jLabel7, javax.swing.GroupLayout.DEFAULT_SIZE, 279,
Short.MAX_VALUE)
    .addComponent(jLabel8, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))
    .addGap(21, 21, 21))
    .addGroup(jPanel2Layout.createSequentialGroup()
        .addComponent(jLabel2)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)
    .addComponent(jTextField1, javax.swing.GroupLayout.PREFERRED_SIZE,
222, javax.swing.GroupLayout.PREFERRED_SIZE)
    .addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE)))
);
jPanel2Layout.setVerticalGroup(
    jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
jPanel2Layout.createSequentialGroup()
        .addGap(30, 30, 30)

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING,
false)
    .addComponent(jLabel6, javax.swing.GroupLayout.DEFAULT_SIZE, 24,
Short.MAX_VALUE)
    .addComponent(jLabel4, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))
```

```

        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING
, false)
        .addComponent(jLabel7, javax.swing.GroupLayout.DEFAULT_SIZE, 24,
Short.MAX_VALUE)
        .addComponent(jLabel5, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))
        .addGap(18, 18, 18)

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING
)
        .addComponent(jLabel3, javax.swing.GroupLayout.PREFERRED_SIZE, 25,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addComponent(jLabel8, javax.swing.GroupLayout.PREFERRED_SIZE, 25,
javax.swing.GroupLayout.PREFERRED_SIZE))
        .addGap(28, 28, 28)

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
)
        .addComponent(jLabel2)
        .addComponent(jTextField1, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addGap(64, 64, 64)

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
)
        .addComponent(jButton1)
        .addComponent(jButton2)
        .addComponent(jButton3))
        .addGap(24, 24, 24))

);

javax.swing.GroupLayout jPanel1Layout = new javax.swing.GroupLayout(jPanel1);
jPanel1.setLayout(jPanel1Layout);
jPanel1Layout.setHorizontalGroup(
    jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addGroup(jPanel1Layout.createSequentialGroup()
        .addGap(74, 74, 74)
        .addComponent(jLabel1, javax.swing.GroupLayout.PREFERRED_SIZE, 198,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addContainerGap(131, Short.MAX_VALUE))
    .addComponent(jPanel2, javax.swing.GroupLayout.Alignment.TRAILING,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE)
);
jPanel1Layout.setVerticalGroup(
    jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

```

```

        .addGroup(jPanel1Layout.createSequentialGroup()
            .addContainerGap()
            .addComponent(jLabel1, javax.swing.GroupLayout.DEFAULT_SIZE, 61,
Short.MAX_VALUE)
            .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
            .addComponent(jPanel2, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
            .addContainerGap())
    );

    javax.swing.GroupLayout layout = new javax.swing.GroupLayout(getContentPane());
    getContentPane().setLayout(layout);
    layout.setHorizontalGroup(
        layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
layout.createSequentialGroup()
            .addContainerGap()
            .addComponent(jPanel1, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
            .addContainerGap())
    );
    layout.setVerticalGroup(
        layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(layout.createSequentialGroup()
            .addContainerGap()
            .addComponent(jPanel1, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
            .addGap(0, 0, 0)
            .addComponent(jPanel1, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
            .addContainerGap())
        );
    layout.setHorizontalGroup(
        layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(layout.createSequentialGroup()
                .addContainerGap()
                .addComponent(jPanel1, javax.swing.GroupLayout.PREFERRED_SIZE,
                javax.swing.GroupLayout.PREFERRED_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
                .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
                .addComponent(jPanel1, javax.swing.GroupLayout.PREFERRED_SIZE,
                javax.swing.GroupLayout.PREFERRED_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
                .addContainerGap())
    );
    pack();
}// </editor-fold>

private void jButton2ActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
    jTextField1.setText(null);

}

private void jButton1ActionPerformed(java.awt.event.ActionEvent evt) {
    connect cn = new connect();
    try {
        int dp = Integer.parseInt(jTextField1.getText());
        Statement stmt = cn.conn();
        checkBalance cb = new checkBalance();
        menu_home h = new menu_home();
        admindashboard ad = new admindashboard();
        if (jLabel5.getText().equals("admin no")) {

```

```

String query2 = "select * from admin where admin_no=" + jLabel7.getText() +
"";;
ResultSet rs = stmt.executeQuery(query2);
while (rs.next()) {
    if (dp > 0) {
        int result = JOptionPane.showConfirmDialog(this, "Are you sure to deposit
Rs. " + dp + "?", "warning", JOptionPane.YES_NO_OPTION,
JOptionPane.QUESTION_MESSAGE);
        switch (result) {
            case JOptionPane.YES_OPTION -> {
                currentValue = rs.getInt("balance");
                int newValue = currentValue + dp;
                String query1 = "UPDATE admin SET balance = '" + newValue + "'"
WHERE admin_no = '" + jLabel7.getText() + "'";
                stmt.executeUpdate(query1);
                String query4 = "INSERT INTO
administory(admin_no,date,to_admin_no,amount,type)VALUES ('" + jLabel7.getText() + "'",
" + jLabel8.getText() + "','" + jLabel7.getText() + "','" + jTextField1.getText() + "','" + jLabel1.getText() + "')";
                stmt.executeUpdate(query4);
                JOptionPane.showMessageDialog(this, "deposited succesfully");
                cb.setVisible(true);
                cb.jLabel7.setText(jLabel7.getText());
                cb.jLabel6.setText(jLabel6.getText());
                cb.jLabel3.setText("admin no");
                cb.jLabel5.setText(Integer.toString(newValue));
                dispose();
            }
            case JOptionPane.NO_OPTION -> {
                ad.setVisible(true);
                ad.jl.setText(jLabel7.getText());
                ad.jlabel.setText(jLabel6.getText());
                SimpleDateFormat formatter = new SimpleDateFormat("dd-MM-
yyyy");
                String formattedDate = formatter.format(new java.util.Date());
                ad.jLabel3.setText("DATE : " + formattedDate);
                dispose();
            }
        }
    } else {
        JOptionPane.showMessageDialog(this, "please enter valid amount");
    }
}
} else if (jLabel5.getText().equals("acc no")) {
    String query2 = "select * from dashboard where Account_no=" + jLabel7.getText() + "";
    ResultSet rs = stmt.executeQuery(query2);
    while (rs.next()) {

```

```

        if (dp > 0) {
            int result = JOptionPane.showConfirmDialog(this, "Are you sure to deposit
Rs. " + dp + " ?", "warning", JOptionPane.YES_NO_OPTION,
JOptionPane.QUESTION_MESSAGE);
            switch (result) {
                case JOptionPane.YES_OPTION -> {
                    currentValue = rs.getInt("balance");
                    int newValue = currentValue + dp;
                    String query1 = "UPDATE dashboard SET balance = '" + newValue +
                    "' WHERE Account_no = '" + jLabel7.getText() + "'";
                    stmt.executeUpdate(query1);
                    String query4 = "INSERT INTO
transaction(account_no,Transaction_type,date,amount,to_account_no)VALUES ('" +
jLabel7.getText() + "','" + jLabel1.getText() + "','" + jLabel8.getText() + "','" +
jTextField1.getText() + "','" + jLabel7.getText() + "')";
                    stmt.executeUpdate(query4);
                    JOptionPane.showMessageDialog(this, "deposited succesfully");
                    cb.setVisible(true);
                    cb.jLabel7.setText(jLabel7.getText());
                    cb.jLabel6.setText(jLabel6.getText());
                    cb.jLabel3.setText("acc no");
                    cb.jLabel5.setText(Integer.toString(newValue));
                    dispose();
                }
                case JOptionPane.NO_OPTION -> {
                    h.setVisible(true);
                    h.jl.setText(jLabel7.getText());
                    h.jlabel.setText(jLabel6.getText());
                    SimpleDateFormat formatter = new SimpleDateFormat("dd-MM-
yyyy");
                    String formattedDate = formatter.format(new java.util.Date());
                    h.jLabel3.setText("DATE : " + formattedDate);
                    dispose();
                }
            } else {
                JOptionPane.showMessageDialog(this, "please enter valid amount");
            }
        }
    }
} catch (HeadlessException | NumberFormatException | SQLException e) {
    System.out.println(e);
}
}

private void jButton3ActionPerformed(java.awt.event.ActionEvent evt) {
    connect cn=new connect();

```

```

try {
    if (jLabel5.getText().equals("admin no")) {
        Statement stmt = cn.conn();
        String query2 = "select * from admin where admin_no='" + jLabel7.getText() + "'";
        ResultSet rs = stmt.executeQuery(query2);
        while (rs.next()) {
            adminno = Integer.parseInt(rs.getString("admin_no"));
            user = rs.getString("email");
            usertype = rs.getString("usertype");
            admindashboard ad = new admindashboard();

            ad.setVisible(true);
            ad.jl.setText(Integer.toString(adminno));
            ad.jlabel.setText(user);
            ad.jLabel6.setText(usertype);
            if (usertype.equals("user")) {
                ad.JButton4.setVisible(false);
            }
        }

        SimpleDateFormat formatter = new SimpleDateFormat("dd-MM-yyyy");
        String formattedDate = formatter.format(new java.util.Date());
        ad.jLabel3.setText("DATE : " + formattedDate);
        dispose();
    }
} else if (jLabel5.getText().equals("acc no")) {

    menu_home home = new menu_home();
    home.setVisible(true);
    home.jl.setText(jLabel7.getText());
    home.jlabel.setText(jLabel6.getText());
    SimpleDateFormat formatter = new SimpleDateFormat("dd-MM-yyyy");
    String formattedDate = formatter.format(new java.util.Date());
    home.jLabel3.setText("DATE : " + formattedDate);

    dispose();
}

} catch (Exception e) {
    System.out.println(e);
}
}

/** 
 * @param args the command line arguments
 */
public static void main(String args[]) {
    /* Set the Nimbus look and feel */

```

```

//<editor-fold defaultstate="collapsed" desc=" Look and feel setting code (optional)
">
/* If Nimbus (introduced in Java SE 6) is not available, stay with the default look and
feel.
 * For details see
http://download.oracle.com/javase/tutorial/uiswing/lookandfeel/plaf.html
 */
try {
    for (javax.swing.UIManager.LookAndFeelInfo info :
javax.swing.UIManager.getInstalledLookAndFeels()) {
        if ("Nimbus".equals(info.getName())) {
            javax.swing.UIManager.setLookAndFeel(info.getClassName());
            break;
        }
    }
} catch (ClassNotFoundException ex) {

java.util.logging.Logger.getLogger(deposit.class.getName()).log(java.util.logging.Level.SEVERE,
null, ex);
} catch (InstantiationException ex) {

java.util.logging.Logger.getLogger(deposit.class.getName()).log(java.util.logging.Level.SEVERE,
null, ex);
} catch (IllegalAccessException ex) {

java.util.logging.Logger.getLogger(deposit.class.getName()).log(java.util.logging.Level.SEVERE,
null, ex);
} catch (javax.swing.UnsupportedLookAndFeelException ex) {

java.util.logging.Logger.getLogger(deposit.class.getName()).log(java.util.logging.Level.SEVERE,
null, ex);
}
//</editor-fold>

/* Create and display the form */
java.awt.EventQueue.invokeLater(new Runnable() {
    public void run() {
        new deposit().setVisible(true);
    }
});
}

// Variables declaration - do not modify
private javax.swing.JButton jButton1;
private javax.swing.JButton jButton2;
private javax.swing.JButton jButton3;
private javax.swing.JLabel jLabel1;
private javax.swing.JLabel jLabel2;
private javax.swing.JLabel jLabel3;

```

```
private javax.swing.JLabel jLabel4;
public javax.swing.JLabel jLabel5;
public javax.swing.JLabel jLabel6;
public javax.swing.JLabel jLabel7;
public javax.swing.JLabel jLabel8;
private javax.swing.JPanel jPanel1;
private javax.swing.JPanel jPanel2;
private javax.swing.JTextField jTextField1;
// End of variables declaration
}
```

## TRANSFER

```
package banking.customer;

import banking.customer.menu_home;
import connection.connect;
import java.sql.ResultSet;
import java.sql.Statement;
import java.text.SimpleDateFormat;
import javax.swing.JOptionPane;
public class transfer extends javax.swing.JFrame {

    int accn, currentValue = 0, accn1, currentValue1 = 0;
    String user, user1;

    public transfer() {
        initComponents();
    }
    @SuppressWarnings("unchecked")
// <editor-fold defaultstate="collapsed" desc="Generated Code">
    private void initComponents() {

        jPanel1 = new javax.swing.JPanel();
        jLabel1 = new javax.swing.JLabel();
        jPanel2 = new javax.swing.JPanel();
        jLabel2 = new javax.swing.JLabel();
        jLabel3 = new javax.swing.JLabel();
        jLabel4 = new javax.swing.JLabel();
        jLabel5 = new javax.swing.JLabel();
        jLabel6 = new javax.swing.JLabel();
        jLabel7 = new javax.swing.JLabel();
        jLabel8 = new javax.swing.JLabel();
        jButton1 = new javax.swing.JButton();
        jButton2 = new javax.swing.JButton();
        jTextField1 = new javax.swing.JTextField();
        jTextField2 = new javax.swing.JTextField();
        jTextField3 = new javax.swing.JTextField();
        jLabel9 = new javax.swing.JLabel();
        jLabel10 = new javax.swing.JLabel();
        jLabel11 = new javax.swing.JLabel();

        setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);

        jPanel1.setBackground(new java.awt.Color(255, 204, 255));

        jLabel1.setFont(new java.awt.Font("Segoe UI", 3, 36)); // NOI18N
        jLabel1.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);
        jLabel1.setText("TRANSFER");
        jLabel1.setHorizontalTextPosition(javax.swing.SwingConstants.CENTER);

        javax.swing.GroupLayout jPanel1Layout = new javax.swing.GroupLayout(jPanel1);
        jPanel1.setLayout(jPanel1Layout);
        jPanel1Layout.setHorizontalGroup(
            jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(jPanel1Layout.createSequentialGroup()
                .addGap(330, 330, 330)
                .addComponent(jLabel1))
        );
        jPanel1Layout.setVerticalGroup(
            jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(jPanel1Layout.createSequentialGroup()
                .addGap(330, 330, 330)
                .addComponent(jLabel1))
        );

        javax.swing.GroupLayout layout = new javax.swing.GroupLayout(getContentPane());
        getContentPane().setLayout(layout);
        layout.setHorizontalGroup(
            layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addComponent(jPanel1, javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
        );
        layout.setVerticalGroup(
            layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addComponent(jPanel1, javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
        );
    }
}
```

```

javax.swing.GroupLayout jPanel1Layout = new javax.swing.GroupLayout(jPanel1);
jPanel1.setLayout(jPanel1Layout);
jPanel1Layout.setHorizontalGroup(
    jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addGroup(jPanel1Layout.createSequentialGroup()
        .addGap(109, 109, 109)
        .addComponent(jLabel1)
        .addGapContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))
);
jPanel1Layout.setVerticalGroup(
    jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addGroup(jPanel1Layout.createSequentialGroup()
        .addGap(21, 21, 21)
        .addComponent(jLabel1)
        .addGapContainerGap(13, Short.MAX_VALUE))
);
jPanel2.setBackground(new java.awt.Color(255, 255, 255));

jLabel2.setText("Username");

jLabel3.setText("Account no");

jLabel4.setFont(new java.awt.Font("Segoe UI", 1, 18)); // NOI18N
jLabel4.setText("TRANSFER TO");

jLabel5.setText("Account no");

jLabel6.setText("Name");

jLabel7.setText("Date");

jLabel8.setText("Amount");

jButton1.setText("TRANSFER");
jButton1.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jButton1ActionPerformed(evt);
    }
});

jButton2.setText("EXIT");
jButton2.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jButton2ActionPerformed(evt);
    }
});

```

```

javax.swing.GroupLayout jPanel2Layout = new javax.swing.GroupLayout(jPanel2);
jPanel2.setLayout(jPanel2Layout);
jPanel2Layout.setHorizontalGroup(
    jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addGroup(jPanel2Layout.createSequentialGroup())

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
)
    .addGroup(jPanel2Layout.createSequentialGroup()
        .addGap(99, 99, 99)
        .addComponent(jButton1)
        .addGap(51, 51, 51)
        .addComponent(jButton2))
    .addGroup(jPanel2Layout.createSequentialGroup()
        .addGap(32, 32, 32)

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING
G)
    .addComponent(jLabel6)
    .addComponent(jLabel5)
    .addComponent(jLabel3)
    .addComponent(jLabel2)
    .addComponent(jLabel7)
    .addComponent(jLabel8))

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING
, false)
    .addGroup(jPanel2Layout.createSequentialGroup()
        .addGap(18, 18, 18)

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING
)
    .addComponent(jLabel10,
javax.swing.GroupLayout.Alignment.TRAILING, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
        .addComponent(jLabel9, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)))
    .addGroup(jPanel2Layout.createSequentialGroup()
        .addGap(34, 34, 34)

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING
, false)
        .addComponent(jTextField1,
javax.swing.GroupLayout.DEFAULT_SIZE, 217, Short.MAX_VALUE)
        .addComponent(jTextField2)
        .addComponent(jTextField3)
        .addComponent(jLabel11,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE)))))))

```

```

        .addContainerGap(55, Short.MAX_VALUE))
    .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
jPanel2Layout.createSequentialGroup()
    .addGap(0, 0, Short.MAX_VALUE)
    .addComponent(jLabel4)
    .addGap(137, 137, 137))
);
jPanel2Layout.setVerticalGroup(
    jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addGroup(jPanel2Layout.createSequentialGroup()
        .addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING
, false)
        .addComponent(jLabel2)
        .addComponent(jLabel9, javax.swing.GroupLayout.DEFAULT_SIZE, 22,
Short.MAX_VALUE))
        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
)
        .addComponent(jLabel3)
        .addComponent(jLabel10, javax.swing.GroupLayout.PREFERRED_SIZE, 24,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addGap(29, 29, 29)
        .addComponent(jLabel4)
        .addGap(18, 18, 18)

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
)
        .addComponent(jLabel5)
        .addComponent(jTextField1, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))
        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING
)
        .addComponent(jLabel6)
        .addComponent(jTextField2, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))
        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
)
        .addComponent(jLabel8)
        .addComponent(jTextField3, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))
        .addGap(18, 18, 18)

```

```

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
        .addComponent(jLabel7)
        .addComponent(jLabel11, javax.swing.GroupLayout.PREFERRED_SIZE, 24,
javax.swing.GroupLayout.PREFERRED_SIZE))
        .addGap(45, 45, 45)

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
        .addComponent(jButton1)
        .addComponent(jButton2)))
);

javax.swing.GroupLayout layout = new javax.swing.GroupLayout(getContentPane());
getContentPane().setLayout(layout);
layout.setHorizontalGroup(
    layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(layout.createSequentialGroup()
            .addComponent(jPanel1, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
            .addComponent(jPanel2, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
        );
    layout.setVerticalGroup(
        layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addComponent(jPanel1, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
            .addComponent(jPanel2, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
        );
    layout.setVerticalGroup(
        layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(layout.createSequentialGroup()
                .addComponent(jPanel1, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
                .addGap(10, 10, 10)
                .addComponent(jPanel2, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
            )
            .addGroup(layout.createSequentialGroup()
                .addGap(10, 10, 10)
                .addComponent(jPanel2, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
                .addGap(10, 10, 10)
                .addComponent(jPanel1, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
            )
        );
    layout.setHorizontalGroup(
        layout.createSequentialGroup()
            .addComponent(jPanel1, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
            .addGap(10, 10, 10)
            .addComponent(jPanel2, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
        );
    layout.setContainerGap(0);
);

pack();
}// </editor-fold>

private void jButton2ActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
    connect cn = new connect();
    try {
        Statement stmt = cn.conn();
        String query1 = "select * from dashboard where Account_no=" +
jLabel10.getText() + " && email=" + jLabel9.getText() + "";
        ResultSet rs = stmt.executeQuery(query1);

        while (rs.next()) {
            accn = Integer.parseInt(rs.getString("Account_no"));
            user = rs.getString("email");
        }
    } catch (Exception e) {
        JOptionPane.showMessageDialog(null, e);
    }
}

```

```

        menu_home home = new menu_home();
        home.setVisible(true);
        home.jl.setText(Integer.toString(accn));
        home.jlabel.setText(user);
        SimpleDateFormat formatter = new SimpleDateFormat("dd-MM-yyyy");
        String formattedDate = formatter.format(new java.util.Date());
        home.jLabel3.setText("DATE : " + formattedDate);
        dispose();
    }
} catch (Exception e) {
    System.out.println(e);
}
}

private void jButton1ActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
    connect cn = new connect();
    try {
        String account_no = jTextField1.getText();
        String name = jTextField2.getText();
        int amount = Integer.parseInt(jTextField3.getText());
        Statement stmt = cn.conn();
        String query = "select * from dashboard where Account_no=" + jLabel10.getText()
+ "";
        ResultSet rs = stmt.executeQuery(query);

        while (rs.next()) {
            int result = JOptionPane.showConfirmDialog(this, "Are you sure to transfer Rs. "
+ amount + "?", "warning", JOptionPane.YES_NO_OPTION,
JOptionPane.QUESTION_MESSAGE);
            switch (result) {
                case JOptionPane.YES_OPTION -> {
                    accn = Integer.parseInt(rs.getString("Account_no"));
                    user = rs.getString("email");
                    currentValue = rs.getInt("balance");
                    int newValue = currentValue - amount;
                    stmt.executeUpdate("UPDATE dashboard SET balance = " + newValue + ""
WHERE Account_no = " + jLabel10.getText() + "");
                    String query4 = "INSERT INTO
transaction(account_no,Transaction_type,date,amount,to_account_no)VALUES (" +
jLabel10.getText() + ", " + jLabel1.getText() + ", " + jLabel11.getText() + ", " +
jTextField3.getText() + ", " + jTextField1.getText() + ")";
                    stmt.executeUpdate(query4);

                    String query1 = "select * from dashboard where Account_no=" +
account_no + "";
                    ResultSet rs1 = stmt.executeQuery(query1);
                    while (rs1.next()) {
                        currentValue1 = rs1.getInt("balance");

```

```

        int newValue1 = currentValue1 + amount;
        stmt.executeUpdate("UPDATE dashboard SET balance = '" + newValue1
+ "' WHERE Account_no = '" + account_no + "'");
        JOptionPane.showMessageDialog(this, "transferred successfully");

        checkBalance cb = new checkBalance();
        cb.setVisible(true);
        cb.jLabel7.setText(Integer.toString(accn));
        cb.jLabel6.setText(user);
        cb.jLabel3.setText("acc no");
        cb.jLabel5.setText(Integer.toString(newValue));
        dispose();
    }
}

case JOptionPane.NO_OPTION -> {
    accn = Integer.parseInt(rs.getString("Account_no"));
    user = rs.getString("email");
    menu_home home = new menu_home();
    home.setVisible(true);
    home.jl.setText(Integer.toString(accn));
    home.jlabel.setText(user);
    SimpleDateFormat formatter = new SimpleDateFormat("dd-MM-yyyy");
    String formattedDate = formatter.format(new java.util.Date());
    home.jLabel3.setText("DATE : " + formattedDate);
    dispose();
}
}

}

} catch (Exception e) {
    System.out.println(e);
}

}

/***
 * @param args the command line arguments
 */
public static void main(String args[]) {
    /* Set the Nimbus look and feel */
    // <editor-fold defaultstate="collapsed" desc=" Look and feel setting code (optional)
    " >
        /* If Nimbus (introduced in Java SE 6) is not available, stay with the default look and
        feel.
         * For details see
        http://download.oracle.com/javase/tutorial/uiswing/lookandfeel/plaf.html
        */
    try {
        for (javax.swing.UIManager.LookAndFeelInfo info :
        javax.swing.UIManager.getInstalledLookAndFeels()) {

```

```
        if ("Nimbus".equals(info.getName())) {
            javax.swing.UIManager.setLookAndFeel(info.getClassName());
            break;
        }
    } catch (ClassNotFoundException ex) {

java.util.logging.Logger.getLogger(transfer.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
    } catch (InstantiationException ex) {

java.util.logging.Logger.getLogger(transfer.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
    } catch (IllegalAccessException ex) {

java.util.logging.Logger.getLogger(transfer.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
    } catch (javax.swing.UnsupportedLookAndFeelException ex) {

java.util.logging.Logger.getLogger(transfer.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
    }
//</editor-fold>

/* Create and display the form */
java.awt.EventQueue.invokeLater(new Runnable() {
    public void run() {
        new transfer().setVisible(true);
    }
});
}

// Variables declaration - do not modify
private javax.swing.JButton jButton1;
private javax.swing.JButton jButton2;
private javax.swing.JLabel jLabel1;
public javax.swing.JLabel jLabel10;
public javax.swing.JLabel jLabel11;
private javax.swing.JLabel jLabel2;
private javax.swing.JLabel jLabel3;
private javax.swing.JLabel jLabel4;
private javax.swing.JLabel jLabel5;
private javax.swing.JLabel jLabel6;
private javax.swing.JLabel jLabel7;
private javax.swing.JLabel jLabel8;
public javax.swing.JLabel jLabel9;
private javax.swing.JPanel jPanel1;
private javax.swing.JPanel jPanel2;
private javax.swing.JTextField jTextField1;
```

```
private javax.swing.JTextField jTextField2;
private javax.swing.JTextField jTextField3;
// End of variables declaration
}
```

## HISTORY

```
package banking.customer;

import connection.connect;
import java.sql.Statement;
import java.sql.ResultSet;
import java.sql.SQLException;
import java.text.SimpleDateFormat;
import javax.swing.table.DefaultTableModel;

public class history extends javax.swing.JFrame {

    public history() {
        initComponents();
    }

    @SuppressWarnings("unchecked")
    // <editor-fold defaultstate="collapsed" desc="Generated Code">
    private void initComponents() {

        jPanel1 = new javax.swing.JPanel();
        jLabel1 = new javax.swing.JLabel();
        jLabel2 = new javax.swing.JLabel();
        jLabel3 = new javax.swing.JLabel();
        jLabel4 = new javax.swing.JLabel();
        jLabel5 = new javax.swing.JLabel();
        jPanel2 = new javax.swing.JPanel();
        jScrollPane2 = new javax.swing.JScrollPane();
        jTable2 = new javax.swing.JTable();
        jComboBox1 = new javax.swing.JComboBox();
        jComboBox2 = new javax.swing.JComboBox();
        jButton1 = new javax.swing.JButton();
        jLabel6 = new javax.swing.JLabel();
        jLabel7 = new javax.swing.JLabel();
        jButton2 = new javax.swing.JButton();
        jLabel8 = new javax.swing.JLabel();
        jComboBox3 = new javax.swing.JComboBox();

        setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);

        jPanel1.setBackground(new java.awt.Color(153, 0, 0));

        jLabel1.setFont(new java.awt.Font("Segoe UI", 3, 36)); // NOI18N
        jLabel1.setForeground(new java.awt.Color(255, 255, 255));
        jLabel1.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);
        jLabel1.setText("TRANSACTION HISTORY");

        jLabel2.setForeground(new java.awt.Color(255, 255, 255));

        javax.swing.GroupLayout jPanel1Layout = new javax.swing.GroupLayout(jPanel1);
        jPanel1.setLayout(jPanel1Layout);
        jPanel1Layout.setHorizontalGroup(
            jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(jPanel1Layout.createSequentialGroup()
                .addGap(144, 144, 144)
                .addComponent(jLabel1, javax.swing.GroupLayout.PREFERRED_SIZE, 375, javax.swing.GroupLayout.PREFERRED_SIZE)
                .addGap(144, 144, 144)
                .addComponent(jLabel2, javax.swing.GroupLayout.PREFERRED_SIZE, 375, javax.swing.GroupLayout.PREFERRED_SIZE)
            )
        );
        jPanel1Layout.setVerticalGroup(
            jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(jPanel1Layout.createSequentialGroup()
                .addGap(144, 144, 144)
                .addComponent(jLabel1, javax.swing.GroupLayout.PREFERRED_SIZE, 375, javax.swing.GroupLayout.PREFERRED_SIZE)
                .addGap(144, 144, 144)
                .addComponent(jLabel2, javax.swing.GroupLayout.PREFERRED_SIZE, 375, javax.swing.GroupLayout.PREFERRED_SIZE)
            )
        );

        jScrollPane2.setViewportView(jTable2);

        jTable2.setModel(new javax.swing.table.DefaultTableModel(
            new Object [][] {
                {null, null, null, null},
                {null, null, null, null},
                {null, null, null, null},
                {null, null, null, null}
            },
            new String [] {
                "Title 1", "Title 2", "Title 3", "Title 4"
            }
        ));
        jTable2.setRowHeight(25);

        jComboBox1.setModel(new javax.swing.DefaultComboBoxModel(new String [] {"1", "2", "3", "4", "5", "6", "7", "8"}));
        jComboBox2.setModel(new javax.swing.DefaultComboBoxModel(new String [] {"1", "2", "3", "4", "5", "6", "7", "8"}));
        jButton1.setText("SEARCH");
        jButton1.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                jButton1ActionPerformed(evt);
            }
        });

        jLabel6.setText("SEARCH BY ID");

        jLabel7.setText("SEARCH BY NAME");

        jButton2.setText("CLEAR");
        jButton2.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                jButton2ActionPerformed(evt);
            }
        });

        jLabel8.setText("SEARCH BY DATE");

        jComboBox3.setModel(new javax.swing.DefaultComboBoxModel(new String [] {"1", "2", "3", "4", "5", "6", "7", "8"}));

        javax.swing.GroupLayout jPanel2Layout = new javax.swing.GroupLayout(jPanel2);
        jPanel2.setLayout(jPanel2Layout);
        jPanel2Layout.setHorizontalGroup(
            jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(jPanel2Layout.createSequentialGroup()
                .addContainerGap()
                .addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                    .addGroup(jPanel2Layout.createSequentialGroup()
                        .addComponent(jLabel6)
                        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
                        .addComponent(jComboBox1, javax.swing.GroupLayout.PREFERRED_SIZE, 150, javax.swing.GroupLayout.PREFERRED_SIZE))
                    .addGroup(jPanel2Layout.createSequentialGroup()
                        .addComponent(jLabel7)
                        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
                        .addComponent(jComboBox2, javax.swing.GroupLayout.PREFERRED_SIZE, 150, javax.swing.GroupLayout.PREFERRED_SIZE))
                    .addGroup(jPanel2Layout.createSequentialGroup()
                        .addComponent(jButton1)
                        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
                        .addComponent(jLabel8)
                        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
                        .addComponent(jComboBox3, javax.swing.GroupLayout.PREFERRED_SIZE, 150, javax.swing.GroupLayout.PREFERRED_SIZE))
                    .addGroup(jPanel2Layout.createSequentialGroup()
                        .addComponent(jButton2)
                        .addGap(18, 18, 18)
                        .addComponent(jScrollPane2, javax.swing.GroupLayout.PREFERRED_SIZE, 450, javax.swing.GroupLayout.PREFERRED_SIZE)))
                .addContainerGap())
        );
        jPanel2Layout.setVerticalGroup(
            jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(jPanel2Layout.createSequentialGroup()
                .addContainerGap()
                .addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
                    .addComponent(jLabel6)
                    .addComponent(jComboBox1, javax.swing.GroupLayout.PREFERRED_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))
                .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)
                .addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
                    .addComponent(jLabel7)
                    .addComponent(jComboBox2, javax.swing.GroupLayout.PREFERRED_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))
                .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)
                .addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
                    .addComponent(jButton1)
                    .addComponent(jLabel8)
                    .addComponent(jComboBox3, javax.swing.GroupLayout.PREFERRED_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))
                .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)
                .addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                    .addComponent(jButton2)
                    .addComponent(jScrollPane2, javax.swing.GroupLayout.PREFERRED_SIZE, 150, javax.swing.GroupLayout.PREFERRED_SIZE)))
            .addContainerGap())
        );

        javax.swing.GroupLayout layout = new javax.swing.GroupLayout(getContentPane());
        getContentPane().setLayout(layout);
        layout.setHorizontalGroup(
            layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addComponent(jPanel1, javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
            .addComponent(jPanel2, javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
        );
        layout.setVerticalGroup(
            layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addComponent(jPanel1, javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
            .addComponent(jPanel2, javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
        );
    }

    private void jButton1ActionPerformed(java.awt.event.ActionEvent evt) { }

    private void jButton2ActionPerformed(java.awt.event.ActionEvent evt) { }

    // Variables declaration - do not modify
    private javax.swing.JButton jButton1;
    private javax.swing.JButton jButton2;
    private javax.swing.JComboBox jComboBox1;
    private javax.swing.JComboBox jComboBox2;
    private javax.swing.JComboBox jComboBox3;
    private javax.swing.JLabel jLabel1;
    private javax.swing.JLabel jLabel2;
    private javax.swing.JLabel jLabel3;
    private javax.swing.JLabel jLabel4;
    private javax.swing.JLabel jLabel5;
    private javax.swing.JLabel jLabel6;
    private javax.swing.JLabel jLabel7;
    private javax.swing.JLabel jLabel8;
    private javax.swing.JPanel jPanel1;
    private javax.swing.JPanel jPanel2;
    private javax.swing.JScrollPane jScrollPane2;
    private javax.swing.JTable jTable2;
    // End of variables declaration
}
```

```

jLabel2.setText("username");

jLabel3.setForeground(new java.awt.Color(255, 255, 255));

jLabel4.setForeground(new java.awt.Color(255, 255, 255));
jLabel4.setText("acount no");

jLabel5.setForeground(new java.awt.Color(255, 255, 255));

javax.swing.GroupLayout jPanel1Layout = new javax.swing.GroupLayout(jPanel1);
jPanel1.setLayout(jPanel1Layout);
jPanel1Layout.setHorizontalGroup(
    jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addGroup(jPanel1Layout.createSequentialGroup()
        .addComponent(jLabel2)
        .addGap(18, 18, 18)
        .addComponent(jLabel3, javax.swing.GroupLayout.PREFERRED_SIZE, 198,
        javax.swing.GroupLayout.PREFERRED_SIZE)
        .addGap(27, 27, 27)
        .addComponent(jLabel4, javax.swing.GroupLayout.PREFERRED_SIZE, 66,
        javax.swing.GroupLayout.PREFERRED_SIZE)
        .addGap(18, 18, 18)
        .addComponent(jLabel5, javax.swing.GroupLayout.PREFERRED_SIZE, 198,
        javax.swing.GroupLayout.PREFERRED_SIZE))
        .addGroup(jPanel1Layout.createSequentialGroup()
            .addGap(98, 98, 98)
            .addComponent(jLabel1)))
    .addGapContainerGap(58, Short.MAX_VALUE))
);

jPanel1Layout.setVerticalGroup(
    jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addGroup(jPanel1Layout.createSequentialGroup()
        .addGap(20, 20, 20)
        .addComponent(jLabel1)
        .addGap(18, 18, 18)
        .addComponent(jLabel2, javax.swing.GroupLayout.DEFAULT_SIZE,
        javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
        .addComponent(jLabel3, javax.swing.GroupLayout.DEFAULT_SIZE,
        javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
        .addComponent(jLabel4, javax.swing.GroupLayout.DEFAULT_SIZE,
        javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
        .addComponent(jLabel5, javax.swing.GroupLayout.DEFAULT_SIZE,
        javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
    )
);

```

```

        .addComponent(jLabel5, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
        .addComponent(jLabel4, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))
    .addContainerGap(23, Short.MAX_VALUE))
);

jPanel2.setBackground(new java.awt.Color(255, 153, 153));

jTable2.setModel(new javax.swing.table.DefaultTableModel(
    new Object [][] {
        },
    new String [] {
        "transaction type", "date", "amount", "to account no"
    }
) {
    boolean[] canEdit = new boolean [] {
        false, false, false, false
    };

    public boolean isCellEditable(int rowIndex, int columnIndex) {
        return canEdit [columnIndex];
    }
});
jScrollPane2.setViewportView(jTable2);

jComboBox1.setModel(new javax.swing.DefaultComboBoxModel<>(new String[] {
"all" }));
jComboBox2.setModel(new javax.swing.DefaultComboBoxModel<>(new String[] {
"all" }));
jComboBox2.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jComboBox2ActionPerformed(evt);
    }
});

jButton1.setText("BACK TO HOME");
jButton1.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jButton1ActionPerformed(evt);
    }
});

jLabel6.setText("transaction type");

jLabel7.setText("date");

```



```
        .addComponent(jComboBox3,
javax.swing.GroupLayout.PREFERRED_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE))

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED))
    .addGroup(jPanel2Layout.createSequentialGroup()
        .addContainerGap()
        .addComponent(jLabel6)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
    .addComponent(jComboBox1,
javax.swing.GroupLayout.PREFERRED_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
    .addGap(6, 6, 6)))
    .addComponent(jScrollPane2, javax.swing.GroupLayout.PREFERRED_SIZE, 438,
javax.swing.GroupLayout.PREFERRED_SIZE)
    .addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))
);

jPanel2Layout.setVerticalGroup(
    jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
jPanel2Layout.createSequentialGroup()
    .addComponent(jScrollPane2, javax.swing.GroupLayout.PREFERRED_SIZE, 282,
javax.swing.GroupLayout.PREFERRED_SIZE)
    .addGap(0, 0, Short.MAX_VALUE))
    .addGroup(jPanel2Layout.createSequentialGroup()
        .addGap(34, 34, 34)

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
    .addComponent(jLabel7)
    .addComponent(jComboBox2, javax.swing.GroupLayout.PREFERRED_SIZE,
22, javax.swing.GroupLayout.PREFERRED_SIZE))
    .addGap(18, 18, 18)

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
)
    .addComponent(jLabel8)
    .addComponent(jComboBox3, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))
    .addGap(18, 18, 18)

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
)
    .addComponent(jComboBox1, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
    .addComponent(jLabel6))
    .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
```



```

        home.jLabel.setText(jLabel3.getText());
        SimpleDateFormat formatter = new SimpleDateFormat("dd-MM-yyyy");
        String formattedDate = formatter.format(new java.util.Date());
        home.jLabel3.setText("DATE : " + formattedDate);
        dispose();

    }
} catch (SQLException e) {
    System.out.println(e);
}
}

private void jComboBox2ActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
}

private void jButton2ActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
    connect cn = new connect();

    try {
        DefaultTableModel model = (DefaultTableModel) jTable2.getModel();
        Statement stmt = cn.conn();
        String selectedvalue = jComboBox2.getSelectedItem().toString();
        String selectedvalue1 = jComboBox3.getSelectedItem().toString();
        String selectedvalue2 = jComboBox1.getSelectedItem().toString();
        model.setRowCount(0);

        String query = "select * from dashboard where account_no=" + jLabel5.getText()
+ "";
        ResultSet rs = stmt.executeQuery(query);
        while (rs.next()) {
            if (selectedvalue.equals("all")) {
                if (selectedvalue1.equals("all")) {
                    if (selectedvalue2.equals("all")) {
                        String query2 = "select * from transaction where account_no=" +
jLabel5.getText() + "";
                        ResultSet rs2 = stmt.executeQuery(query2);
                        while (rs2.next()) {
                            model.insertRow(0, new Object[]{rs2.getString("Transaction_type"),
rs2.getString("date"), rs2.getString("amount"), rs2.getString("to_account_no")});
                        }
                    } else {
                        String query2 = "select * from transaction where account_no=" +
jLabel5.getText() + "&& Transaction_type=" + selectedvalue2 + "";
                        ResultSet rs2 = stmt.executeQuery(query2);
                        while (rs2.next()) {
                            model.insertRow(0, new Object[]{rs2.getString("Transaction_type"),
rs2.getString("date"), rs2.getString("amount"), rs2.getString("to_account_no")});
                        }
                    }
                }
            }
        }
    }
}

```

```

        }
    }
} else {
    if (selectedvalue2.equals("all")) {
        String query2 = "select * from transaction where account_no='" +
jLabel5.getText() + "'&& to_account_no='" + selectedvalue1 + "'";
        ResultSet rs2 = stmt.executeQuery(query2);
        while (rs2.next()) {
            model.insertRow(0, new Object[]{rs2.getString("Transaction_type"),
rs2.getString("date"), rs2.getString("amount"), rs2.getString("to_account_no")});
        }
    } else {
        String query2 = "select * from transaction where account_no='" +
jLabel5.getText() + "'&& to_account_no='" + selectedvalue1 + "'&& Transaction_type='" +
selectedvalue2 + "'";
        ResultSet rs2 = stmt.executeQuery(query2);
        while (rs2.next()) {
            model.insertRow(0, new Object[]{rs2.getString("Transaction_type"),
rs2.getString("date"), rs2.getString("amount"), rs2.getString("to_account_no")});
        }
    }
}

} else {
    if (selectedvalue1.equals("all")) {
        if (selectedvalue2.equals("all")) {
            String query2 = "select * from transaction where account_no='" +
jLabel5.getText() + "'&& date='" + selectedvalue + "'";
            ResultSet rs2 = stmt.executeQuery(query2);
            while (rs2.next()) {
                model.insertRow(0, new Object[]{rs2.getString("Transaction_type"),
rs2.getString("date"), rs2.getString("amount"), rs2.getString("to_account_no")});
            }
        } else {
            String query2 = "select * from transaction where account_no='" +
jLabel5.getText() + "'&& Transaction_type='" + selectedvalue2 + "'&& date='" +
selectedvalue + "'";
            ResultSet rs2 = stmt.executeQuery(query2);
            while (rs2.next()) {
                model.insertRow(0, new Object[]{rs2.getString("Transaction_type"),
rs2.getString("date"), rs2.getString("amount"), rs2.getString("to_account_no")});
            }
        }
    }
}
}
} else {
    if (selectedvalue2.equals("all")) {

```

```

        String query2 = "select * from transaction where account_no=\'" +
jLabel5.getText() + "\' && date=\'" + selectedvalue + "\' && to_account_no=\'" +
selectedvalue1 + "\'";
        ResultSet rs2 = stmt.executeQuery(query2);
        while (rs2.next()) {
            model.insertRow(0, new Object[]{rs2.getString("Transaction_type"),
rs2.getString("date"), rs2.getString("amount"), rs2.getString("to_account_no")});
        }
    } else {
        String query2 = "select * from transaction where account_no=\'" +
jLabel5.getText() + "\' && date=\'" + selectedvalue + "\' && Transaction_type=\'" +
selectedvalue2 + "\' && to_account_no=\'" + selectedvalue1 + "\'";
        ResultSet rs2 = stmt.executeQuery(query2);
        while (rs2.next()) {
            model.insertRow(0, new Object[]{rs2.getString("Transaction_type"),
rs2.getString("date"), rs2.getString("amount"), rs2.getString("to_account_no")});
        }
    }
}

} catch (SQLException e) {
    System.out.println(e);
}
}

/***
 * @param args the command line arguments
 */
public static void main(String args[]) {
    /* Set the Nimbus look and feel */
    // <editor-fold defaultstate="collapsed" desc=" Look and feel setting code (optional)
">
    /* If Nimbus (introduced in Java SE 6) is not available, stay with the default look and
feel.
     * For details see
http://download.oracle.com/javase/tutorial/uiswing/lookandfeel/plaf.html
    */
    try {
        for (javax.swing.UIManager.LookAndFeelInfo info :
javax.swing.UIManager.getInstalledLookAndFeels()) {
            if ("Nimbus".equals(info.getName())) {
                javax.swing.UIManager.setLookAndFeel(info.getClassName());
                break;
            }
        }
    } catch (ClassNotFoundException ex) {

```

```
java.util.logging.Logger.getLogger(history.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
} catch (InstantiationException ex) {

java.util.logging.Logger.getLogger(history.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
} catch (IllegalAccessException ex) {

java.util.logging.Logger.getLogger(history.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
} catch (javax.swing.UnsupportedLookAndFeelException ex) {

java.util.logging.Logger.getLogger(history.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
}
//</editor-fold>

/* Create and display the form */
java.awt.EventQueue.invokeLater(new Runnable() {
    public void run() {
        new history().setVisible(true);
    }
});
}

// Variables declaration - do not modify
private javax.swing.JButton jButton1;
private javax.swing.JButton jButton2;
public javax.swing.JComboBox<String> jComboBox1;
public javax.swing.JComboBox<String> jComboBox2;
public javax.swing.JComboBox<String> jComboBox3;
private javax.swing.JLabel jLabel1;
private javax.swing.JLabel jLabel2;
public javax.swing.JLabel jLabel3;
private javax.swing.JLabel jLabel4;
public javax.swing.JLabel jLabel5;
private javax.swing.JLabel jLabel6;
private javax.swing.JLabel jLabel7;
private javax.swing.JLabel jLabel8;
private javax.swing.JPanel jPanel1;
private javax.swing.JPanel jPanel2;
private javax.swing.JScrollPane jScrollPane2;
public javax.swing.JTable jTable2;
// End of variables declaration
}
```

# CALCULATOR

```
package banking.customer;

import connection.connect;
import java.sql.ResultSet;
import java.sql.SQLException;
import java.sql.Statement;
import java.text.SimpleDateFormat;

public class NewJFrame8 extends javax.swing.JFrame {

    String user;
    int accn;

    double num1 = 0, num2 = 0;
    String calculation = null;

    public NewJFrame8() {
        initComponents();
    }

    @SuppressWarnings("unchecked")
    // <editor-fold defaultstate="collapsed" desc="Generated Code">
    private void initComponents() {

        jPanel1 = new javax.swing.JPanel();
        jLabel2 = new javax.swing.JLabel();
        jLabel4 = new javax.swing.JLabel();
        jLabel5 = new javax.swing.JLabel();
        jLabel6 = new javax.swing.JLabel();
        jLabel7 = new javax.swing.JLabel();
        jPanel2 = new javax.swing.JPanel();
        jButton13 = new javax.swing.JButton();
        jButton3 = new javax.swing.JButton();
        jButton14 = new javax.swing.JButton();
        jButton4 = new javax.swing.JButton();
        jButton15 = new javax.swing.JButton();
        jButton5 = new javax.swing.JButton();
        jButton16 = new javax.swing.JButton();
        jButton6 = new javax.swing.JButton();
        jButton7 = new javax.swing.JButton();
        jLabel1 = new javax.swing.JLabel();
        jButton8 = new javax.swing.JButton();
        jButton9 = new javax.swing.JButton();
        jLabel3 = new javax.swing.JLabel();
        jButton10 = new javax.swing.JButton();
        jButton11 = new javax.swing.JButton();
        jButton1 = new javax.swing.JButton();
```



```

        .addComponent(jLabel7)))
    .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING
, false)
        .addComponent(jLabel5, javax.swing.GroupLayout.Alignment.TRAILING, javax.swing.GroupLayout.DEFAULT_SIZE, 230, Short.MAX_VALUE)
        .addComponent(jLabel4, javax.swing.GroupLayout.Alignment.TRAILING, javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE)))
    .addGap(17, 17, 17))
);

jPanel1Layout.setVerticalGroup(
    jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addGroup(jPanel1Layout.createSequentialGroup()
        .addContainerGap()
        .addComponent(jLabel2)
        .addGap(21, 21, 21)

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING
, false)
        .addComponent(jLabel6, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
        .addComponent(jLabel5, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))
    .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING
)
        .addComponent(jLabel7)
        .addComponent(jLabel4, javax.swing.GroupLayout.Alignment.TRAILING, javax.swing.GroupLayout.PREFERRED_SIZE, 21,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addContainerGap(12, Short.MAX_VALUE))
);

jPanel2.setBackground(new java.awt.Color(255, 255, 255));

jButton13.setText("*");
jButton13.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jButton13ActionPerformed(evt);
    }
});

jButton3.setText "=";
jButton3.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {

```

```
        jButton3ActionPerformed(evt);
    }
});

jButton14.setText("÷");
jButton14.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jButton14ActionPerformed(evt);
    }
});

jButton4.setText("1");
jButton4.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jButton4ActionPerformed(evt);
    }
});

jButton15.setText("-");
jButton15.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jButton15ActionPerformed(evt);
    }
});

jButton5.setText("2");
jButton5.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jButton5ActionPerformed(evt);
    }
});

jButton16.setText("+");
jButton16.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jButton16ActionPerformed(evt);
    }
});

jButton6.setText("3");
jButton6.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jButton6ActionPerformed(evt);
    }
});

jButton7.setText("4");
jButton7.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
```

```
        jButton7ActionPerformed(evt);
    }
});

jButton8.setText("5");
jButton8.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jButton8ActionPerformed(evt);
    }
});

jButton9.setText("6");
jButton9.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jButton9ActionPerformed(evt);
    }
});

jLabel3.setText("ans");

jButton10.setText("7");
jButton10.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jButton10ActionPerformed(evt);
    }
});

jButton11.setText("8");
jButton11.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jButton11ActionPerformed(evt);
    }
});

jButton1.setText("0");
jButton1.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jButton1ActionPerformed(evt);
    }
});

jButton12.setText("9");
jButton12.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jButton12ActionPerformed(evt);
    }
});

jButton2.setText(".");
```

```

jButton2.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jButton2ActionPerformed(evt);
    }
});

jButton17.setText("%");
jButton17.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jButton17ActionPerformed(evt);
    }
});

jButton18.setText("back to home");
jButton18.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jButton18ActionPerformed(evt);
    }
});

jButton19.setText("CLEAR ");
jButton19.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jButton19ActionPerformed(evt);
    }
});

jButton20.setText("DELETE");
jButton20.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jButton20ActionPerformed(evt);
    }
});

javax.swing.GroupLayout jPanel2Layout = new javax.swing.GroupLayout(jPanel2);
jPanel2.setLayout(jPanel2Layout);
jPanel2Layout.setHorizontalGroup(
    jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addGroup(jPanel2Layout.createSequentialGroup()
        .addGap(19, 19, 19)
        .addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addComponent(jButton6, javax.swing.GroupLayout.PREFERRED_SIZE, 47, javax.swing.GroupLayout.PREFERRED_SIZE)
        )
    )
);

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
);

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING)
    .addComponent(jButton6, javax.swing.GroupLayout.PREFERRED_SIZE, 47, javax.swing.GroupLayout.PREFERRED_SIZE)
);

```

```
        .addGroup(javax.swing.GroupLayout.Alignment.LEADING,
jPanel2Layout.createSequentialGroup()
    .addComponent(jButton1, javax.swing.GroupLayout.PREFERRED_SIZE,
46, javax.swing.GroupLayout.PREFERRED_SIZE)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
    .addComponent(jButton2, javax.swing.GroupLayout.PREFERRED_SIZE,
48, javax.swing.GroupLayout.PREFERRED_SIZE)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
    .addComponent(jButton3, javax.swing.GroupLayout.PREFERRED_SIZE,
47, javax.swing.GroupLayout.PREFERRED_SIZE)))
    .addGroup(jPanel2Layout.createSequentialGroup()

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING,
false)
    .addComponent(jTextField1,
javax.swing.GroupLayout.Alignment.LEADING)
    .addGroup(jPanel2Layout.createSequentialGroup()
.addComponent(jButton4,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE)
        .addComponent(jButton7,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE)
        .addComponent(jButton10,
javax.swing.GroupLayout.PREFERRED_SIZE, 46,
javax.swing.GroupLayout.PREFERRED_SIZE))

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
)
    .addComponent(jButton5,
javax.swing.GroupLayout.PREFERRED_SIZE, 48,
javax.swing.GroupLayout.PREFERRED_SIZE)
    .addComponent(jButton8,
javax.swing.GroupLayout.PREFERRED_SIZE, 48,
javax.swing.GroupLayout.PREFERRED_SIZE)
    .addComponent(jButton11,
javax.swing.GroupLayout.PREFERRED_SIZE, 48,
javax.swing.GroupLayout.PREFERRED_SIZE))

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
```

```

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING
, false)
        .addComponent(jButton12,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE)
        .addComponent(jButton9,
javax.swing.GroupLayout.PREFERRED_SIZE, 47,
javax.swing.GroupLayout.PREFERRED_SIZE)))
.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)
        .addComponent(jLabel3)))
.addGap(35, 35, 35)

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING
)
        .addGroup(jPanel2Layout.createSequentialGroup()
        .addComponent(jButton20, javax.swing.GroupLayout.PREFERRED_SIZE,
95, javax.swing.GroupLayout.PREFERRED_SIZE)
        .addGap(18, 18, 18)
        .addComponent(jLabel1, javax.swing.GroupLayout.PREFERRED_SIZE, 95,
javax.swing.GroupLayout.PREFERRED_SIZE))
        .addGroup(jPanel2Layout.createSequentialGroup()
        .addGap(23, 23, 23))

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING
)
        .addComponent(jButton16, javax.swing.GroupLayout.PREFERRED_SIZE,
58, javax.swing.GroupLayout.PREFERRED_SIZE)

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING
, false)
        .addComponent(jButton15, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
        .addComponent(jButton14,
javax.swing.GroupLayout.Alignment.LEADING, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
        .addComponent(jButton13,
javax.swing.GroupLayout.PREFERRED_SIZE, 56,
javax.swing.GroupLayout.PREFERRED_SIZE))
        .addComponent(jButton17, javax.swing.GroupLayout.PREFERRED_SIZE,
56, javax.swing.GroupLayout.PREFERRED_SIZE)))
        .addComponent(jButton18)
        .addComponent(jButton19, javax.swing.GroupLayout.PREFERRED_SIZE, 95,
javax.swing.GroupLayout.PREFERRED_SIZE))
        .addContainerGap())
);

jPanel2Layout.setVerticalGroup(
jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

```

```
.addGroup(jPanel2Layout.createSequentialGroup())

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
)
    .addGroup(jPanel2Layout.createSequentialGroup()
        .addContainerGap(23, Short.MAX_VALUE)
        .addComponent(jButton19)
        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING,
false)
    .addComponent(jButton20)
    .addComponent(jLabel1, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))
        .addGap(18, 18, 18))
    .addGroup(jPanel2Layout.createSequentialGroup()
        .addGap(32, 32, 32)

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
)
    .addComponent(jTextField1,
javax.swing.GroupLayout.PREFERRED_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
    .addComponent(jLabel3))
        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
)
    .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
jPanel2Layout.createSequentialGroup())
        .addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
            .addComponent(jButton10, javax.swing.GroupLayout.PREFERRED_SIZE,
44, javax.swing.GroupLayout.PREFERRED_SIZE)
            .addComponent(jButton12, javax.swing.GroupLayout.PREFERRED_SIZE,
44, javax.swing.GroupLayout.PREFERRED_SIZE)
            .addComponent(jButton11, javax.swing.GroupLayout.PREFERRED_SIZE,
44, javax.swing.GroupLayout.PREFERRED_SIZE))

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING,
false)
    .addComponent(jButton7, javax.swing.GroupLayout.DEFAULT_SIZE, 50,
Short.MAX_VALUE)
    .addComponent(jButton8, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
```

```

        .addComponent(jButton9,
javax.swing.GroupLayout.Alignment.TRAILING, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))
            .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
        .addComponent(jButton4, javax.swing.GroupLayout.PREFERRED_SIZE,
45, javax.swing.GroupLayout.PREFERRED_SIZE)
            .addComponent(jButton5, javax.swing.GroupLayout.PREFERRED_SIZE,
45, javax.swing.GroupLayout.PREFERRED_SIZE)
                .addComponent(jButton6, javax.swing.GroupLayout.PREFERRED_SIZE,
45, javax.swing.GroupLayout.PREFERRED_SIZE))

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
        .addComponent(jButton1, javax.swing.GroupLayout.PREFERRED_SIZE,
47, javax.swing.GroupLayout.PREFERRED_SIZE)
            .addComponent(jButton2, javax.swing.GroupLayout.PREFERRED_SIZE,
47, javax.swing.GroupLayout.PREFERRED_SIZE)
                .addComponent(jButton3, javax.swing.GroupLayout.PREFERRED_SIZE,
47, javax.swing.GroupLayout.PREFERRED_SIZE))
                    .addContainerGap()
            .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
jPanel2Layout.createSequentialGroup()
        .addComponent(jButton16)
            .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
        .addComponent(jButton15)
            .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
        .addComponent(jButton14)
            .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
        .addComponent(jButton13)
            .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
        .addComponent(jButton17)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)
        .addComponent(jButton18)
            .addGap(12, 12, 12)))
);

javax.swing.GroupLayout layout = new javax.swing.GroupLayout(getContentPane());
getContentPane().setLayout(layout);
layout.setHorizontalGroup(
    layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(layout.createSequentialGroup()
            .addContainerGap()

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING, false)

```

```

        .addComponent(jPanel1, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
        .addComponent(jPanel2, javax.swing.GroupLayout.PREFERRED_SIZE, 351,
javax.swing.GroupLayout.PREFERRED_SIZE))
        .addGap(0, 0, Short.MAX_VALUE))
);
layout.setVerticalGroup(
    layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
layout.createSequentialGroup()
    .addContainerGap()
    .addComponent(jPanel1, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
    .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
    .addComponent(jPanel2, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
    .addContainerGap())
);
}

pack();
}// </editor-fold>

private void jButton4ActionPerformed(java.awt.event.ActionEvent evt) {
    jTextField1.setText(jTextField1.getText() + "1");      // TODO add your handling code here:
}
private void jButton8ActionPerformed(java.awt.event.ActionEvent evt) {
    jTextField1.setText(jTextField1.getText() + "5");      // TODO add your handling code here:
}
private void jButton10ActionPerformed(java.awt.event.ActionEvent evt) {
    jTextField1.setText(jTextField1.getText() + "7");
}
private void jButton11ActionPerformed(java.awt.event.ActionEvent evt) {
    jTextField1.setText(jTextField1.getText() + "8");      // TODO add your handling code here:
}
private void jButton12ActionPerformed(java.awt.event.ActionEvent evt) {
    jTextField1.setText(jTextField1.getText() + "9");      // TODO add your handling code here:
}
private void jButton7ActionPerformed(java.awt.event.ActionEvent evt) {
    jTextField1.setText(jTextField1.getText() + "4");      // TODO add your handling code here:
}

```

```
}

private void jButton9ActionPerformed(java.awt.event.ActionEvent evt) {
    jTextField1.setText(jTextField1.getText() + "6");      // TODO add your handling code here:
}

private void jButton5ActionPerformed(java.awt.event.ActionEvent evt) {
    jTextField1.setText(jTextField1.getText() + "2");      // TODO add your handling code here:
}

private void jButton6ActionPerformed(java.awt.event.ActionEvent evt) {
    jTextField1.setText(jTextField1.getText() + "3");
}

private void jButton1ActionPerformed(java.awt.event.ActionEvent evt) {
    jTextField1.setText(jTextField1.getText() + "0");      // TODO add your handling code here:
}

private void jButton16ActionPerformed(java.awt.event.ActionEvent evt) {
    num1 = Double.parseDouble(jTextField1.getText());
    calculation = "+";
    jTextField1.setText("");
}

// TODO add your handling code here:
}

private void jButton15ActionPerformed(java.awt.event.ActionEvent evt) {
    num1 = Double.parseDouble(jTextField1.getText());
    calculation = "-";
    jTextField1.setText("");
    // TODO add your handling code here:
}

private void jButton14ActionPerformed(java.awt.event.ActionEvent evt) {
    num1 = Double.parseDouble(jTextField1.getText());
    calculation = "/";

    jTextField1.setText("");
}

private void jButton13ActionPerformed(java.awt.event.ActionEvent evt) {
    num1 = Double.parseDouble(jTextField1.getText());
    calculation = "*";
    jTextField1.setText(""); // TODO add your handling code here:
}
```

```

private void jButton2ActionPerformed(java.awt.event.ActionEvent evt) {
    jTextField1.setText("");
}

// TODO add your handling code here:
}

private void jButton3ActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
    num2 = Double.parseDouble(jTextField1.getText());
    double ans = 0;
    if ("+".equals(calculation)) {
        ans = num1 + num2;
    }
    if ("-".equals(calculation)) {
        ans = num1 - num2;
    }
    if ("/".equals(calculation)) {
        ans = num1 / num2;
    }
    if ("*".equals(calculation)) {
        ans = num1 * num2;
    }
    if ("%".equals(calculation)) {
        ans = (num1 / 100) * num2;
    }
    jTextField1.setText(Double.toString(ans));
}

private void jButton18ActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
    connect cn = new connect();
    try {
        Statement stmt = cn.conn();
        String query1 = "select * from dashboard where Account_no=" + jLabel4.getText()
+ "";
        ResultSet rs = stmt.executeQuery(query1);
        while (rs.next()) {
            accn = Integer.parseInt(rs.getString("Account_no"));
            user = rs.getString("email");
            menu_home home = new menu_home();
            home.setVisible(true);
            home.jl.setText(Integer.toString(accn));
            home.jlabel.setText(user);
            SimpleDateFormat formatter = new SimpleDateFormat("dd-MM-yyyy");
            String formattedDate = formatter.format(new java.util.Date());
            home.jLabel3.setText("DATE : " + formattedDate);
            dispose();
        }
    } catch (NumberFormatException | SQLException e) {
}

```

```

        System.out.println(e);
    }

}

private void jButton17ActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
    num1 = Double.parseDouble(jTextField1.getText());
    calculation = "%";
    jTextField1.setText("");
}

private void jButton19ActionPerformed(java.awt.event.ActionEvent evt) {
    jTextField1.setText("");
}

private void jButton20ActionPerformed(java.awt.event.ActionEvent evt) {

    String str = jTextField1.getText();
    jTextField1.setText("");
    for (int i = 0; i < str.length() - 1; i++) {
        jTextField1.setText(jTextField1.getText() + str.charAt(i));
    }
}

/**
 * @param args the command line arguments
 */
public static void main(String args[]) {
    /* Set the Nimbus look and feel */
    // <editor-fold defaultstate="collapsed" desc=" Look and feel setting code (optional)
    " >
    /* If Nimbus (introduced in Java SE 6) is not available, stay with the default look and
    feel.
     * For details see
    http://download.oracle.com/javase/tutorial/uiswing/lookandfeel/plaf.html
    */
    try {
        for (javax.swing.UIManager.LookAndFeelInfo info :
    javax.swing.UIManager.getInstalledLookAndFeels()) {
            if ("Nimbus".equals(info.getName())) {
                javax.swing.UIManager.setLookAndFeel(info.getClassName());
                break;
            }
        }
    } catch (ClassNotFoundException ex) {

```

```
java.util.logging.Logger.getLogger(NewJFrame8.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
} catch (InstantiationException ex) {

java.util.logging.Logger.getLogger(NewJFrame8.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
} catch (IllegalAccessException ex) {

java.util.logging.Logger.getLogger(NewJFrame8.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
} catch (javax.swing.UnsupportedLookAndFeelException ex) {

java.util.logging.Logger.getLogger(NewJFrame8.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
}
//</editor-fold>

/* Create and display the form */
java.awt.EventQueue.invokeLater(new Runnable() {
    public void run() {
        new NewJFrame8().setVisible(true);
    }
});
}

// Variables declaration - do not modify
private javax.swing.JButton jButton1;
private javax.swing.JButton jButton10;
private javax.swing.JButton jButton11;
private javax.swing.JButton jButton12;
private javax.swing.JButton jButton13;
private javax.swing.JButton jButton14;
private javax.swing.JButton jButton15;
private javax.swing.JButton jButton16;
private javax.swing.JButton jButton17;
private javax.swing.JButton jButton18;
private javax.swing.JButton jButton19;
private javax.swing.JButton jButton2;
private javax.swing.JButton jButton20;
private javax.swing.JButton jButton3;
private javax.swing.JButton jButton4;
private javax.swing.JButton jButton5;
private javax.swing.JButton jButton6;
private javax.swing.JButton jButton7;
private javax.swing.JButton jButton8;
private javax.swing.JButton jButton9;
private javax.swing.JLabel jLabel1;
private javax.swing.JLabel jLabel2;
```

```
private javax.swing.JLabel jLabel3;
public javax.swing.JLabel jLabel4;
public javax.swing.JLabel jLabel5;
private javax.swing.JLabel jLabel6;
private javax.swing.JLabel jLabel7;
private javax.swing.JPanel jPanel1;
private javax.swing.JPanel jPanel2;
private javax.swing.JTextField jTextField1;
// End of variables declaration
}
```

## ADMIN LOGIN

```
package banking.admin;

import banking.welcome;
import connection.connect;
import java.awt.HeadlessException;
import javax.swing.JOptionPane;
import java.sql.Statement;
import java.sql.ResultSet;
import java.sql.SQLException;
import java.text.SimpleDateFormat;
public class adminlogin extends javax.swing.JFrame {

    int adminno;
    String user, type;

    public adminlogin() {
        initComponents();
    }

    @SuppressWarnings("unchecked")
// <editor-fold defaultstate="collapsed" desc="Generated Code">
    private void initComponents() {

        jPanel1 = new javax.swing.JPanel();
        jLabel3 = new javax.swing.JLabel();
        jPanel2 = new javax.swing.JPanel();
        jLabel2 = new javax.swing.JLabel();
        jPasswordField1 = new javax.swing.JPasswordField();
        jButton1 = new javax.swing.JButton();
        jLabel1 = new javax.swing.JLabel();
        jTextField1 = new javax.swing.JTextField();
        jButton2 = new javax.swing.JButton();

        setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);

        jPanel1.setBackground(new java.awt.Color(255, 153, 153));

        jLabel3.setBackground(new java.awt.Color(204, 204, 255));
        jLabel3.setFont(new java.awt.Font("Eras Bold ITC", 0, 18)); // NOI18N
        jLabel3.setForeground(new java.awt.Color(0, 153, 102));
        jLabel3.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);
        jLabel3.setText("please Enter your username and password");

        javax.swing.GroupLayout jPanel1Layout = new javax.swing.GroupLayout(jPanel1);
        jPanel1.setLayout(jPanel1Layout);
        jPanel1Layout.setHorizontalGroup(
            jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                .addGroup(jPanel1Layout.createSequentialGroup()
                    .addGap(144, 144, 144)
                    .addComponent(jLabel3))
        );
    }
}
```

```

        .addGroup(jPanel1Layout.createSequentialGroup()
            .addGap(18, 18, 18)
            .addComponent(jLabel3, javax.swing.GroupLayout.PREFERRED_SIZE, 451,
javax.swing.GroupLayout.PREFERRED_SIZE)
            .addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))
    );
    jPanel1Layout.setVerticalGroup(
        jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
jPanel1Layout.createSequentialGroup()
                .addGap(19, Short.MAX_VALUE)
                .addComponent(jLabel3, javax.swing.GroupLayout.PREFERRED_SIZE, 70,
javax.swing.GroupLayout.PREFERRED_SIZE)
                .addGap(17, 17, 17)))
);
jPanel2.setBackground(new java.awt.Color(255, 255, 255));

jLabel2.setText("Password");

jPasswordField1.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jPasswordField1ActionPerformed(evt);
    }
});
jButton1.setBackground(new java.awt.Color(255, 204, 255));
jButton1.setFont(new java.awt.Font("Segoe UI", 2, 12)); // NOI18N
jButton1.setText("login");
jButton1.setBorder(javax.swing.BorderFactory.createEtchedBorder());
jButton1.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jButton1ActionPerformed(evt);
    }
});
jLabel1.setText("Username");

jButton2.setBackground(new java.awt.Color(255, 204, 255));
jButton2.setFont(new java.awt.Font("Segoe UI", 2, 12)); // NOI18N
jButton2.setText("back to start");
jButton2.setBorder(javax.swing.BorderFactory.createEtchedBorder());
jButton2.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jButton2ActionPerformed(evt);
    }
});
javax.swing.GroupLayout jPanel2Layout = new javax.swing.GroupLayout(jPanel2);

```



```

        .addGap(35, 35, 35)

    .addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
        .addComponent(jButton1)
        .addComponent(jButton2))
    .addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))
);

javax.swing.GroupLayout layout = new javax.swing.GroupLayout(getContentPane());
getContentPane().setLayout(layout);
layout.setHorizontalGroup(
    layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addGroup(layout.createSequentialGroup()
        .addContainerGap()
        .addComponent(jPanel2, javax.swing.GroupLayout.DEFAULT_SIZE,
        javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
        .addContainerGap())
    .addComponent(jPanel1, javax.swing.GroupLayout.Alignment.TRAILING,
    javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE,
    Short.MAX_VALUE)
);
layout.setVerticalGroup(
    layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
    layout.createSequentialGroup()
        .addComponent(jPanel1, javax.swing.GroupLayout.PREFERRED_SIZE,
        javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
        .addComponent(jPanel2, javax.swing.GroupLayout.PREFERRED_SIZE,
        javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
        .addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)))
);

pack();
}// </editor-fold>

private void jPasswordField1ActionPerformed(java.awt.event.ActionEvent evt) {
}

private void jButton1ActionPerformed(java.awt.event.ActionEvent evt) {
    connect cn = new connect();
    try {

        String username = jTextField1.getText();
        String password = jPasswordField1.getText();
        if (username.equals("")) {
            JOptionPane.showMessageDialog(this, "kindly enter your username ");
        } else if (password.equals("")) {

```

```

        JOptionPane.showMessageDialog(this, "kindly enter your password");
    }
    admindashboard ad = new admindashboard();
    Statement stmt = cn.conn();
    String query1 = "select * from admin where email=" + username + "&&
password="" + password + "";
    ResultSet rs = stmt.executeQuery(query1);
    if (rs.next()) {
        adminno = Integer.parseInt(rs.getString("admin_no"));
        user = rs.getString("email");
        type = rs.getString("usertype");
        if (username.equals(rs.getString("email"))) {
            if (password.equals(rs.getString("password"))) {
                if (rs.getString("usertype").equals("user")) {
                    ad.jButton4.setVisible(false);
                }
                JOptionPane.showMessageDialog(this, "Login successful!");
                ad.setVisible(true);
                ad.jl.setText(Integer.toString(adminno));
                ad.jlabel.setText(user);
                ad.jLabel6.setText(type);
                SimpleDateFormat formatter = new SimpleDateFormat("dd-MM-yyyy");
                String formattedDate = formatter.format(new java.util.Date());
                ad.jLabel3.setText("DATE : " + formattedDate);
                dispose();
            }
        }
    }
} else {
    JOptionPane.showMessageDialog(this, "sorry invalid username and password.", ,
"Error", JOptionPane.ERROR_MESSAGE);
}
} catch (HeadlessException | NumberFormatException | SQLException e) {
    System.out.println(e);
}
}

private void jButton2ActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
    try {

        welcome l = new welcome();
        l.setVisible(true);
        dispose();
    } catch (Exception e) {
        System.out.println(e);
    }
}

```

```

public static void main(String args[]) {
    /* Set the Nimbus look and feel */
    // <editor-fold defaultstate="collapsed" desc=" Look and feel setting code (optional)
    ">
        /* If Nimbus (introduced in Java SE 6) is not available, stay with the default look and
        feel.
           * For details see
        http://download.oracle.com/javase/tutorial/uiswing/lookandfeel/plaf.html
           */
        try {
            for (javax.swing.UIManager.LookAndFeelInfo info :
        javax.swing.UIManager.getInstalledLookAndFeels()) {
                if ("Nimbus".equals(info.getName())) {
                    javax.swing.UIManager.setLookAndFeel(info.getClassName());
                    break;
                }
            }
        } catch (ClassNotFoundException ex) {

java.util.logging.Logger.getLogger(adminlogin.class.getName()).log(java.util.logging.Level.S
EVERE, null, ex);
        } catch (InstantiationException ex) {

java.util.logging.Logger.getLogger(adminlogin.class.getName()).log(java.util.logging.Level.S
EVERE, null, ex);
        } catch (IllegalAccessException ex) {

java.util.logging.Logger.getLogger(adminlogin.class.getName()).log(java.util.logging.Level.S
EVERE, null, ex);
        } catch (javax.swing.UnsupportedLookAndFeelException ex) {

java.util.logging.Logger.getLogger(adminlogin.class.getName()).log(java.util.logging.Level.S
EVERE, null, ex);
        }
    // </editor-fold>

    /* Create and display the form */
    java.awt.EventQueue.invokeLater(new Runnable() {
        public void run() {
            new adminlogin().setVisible(true);
        }
    });
}

// Variables declaration - do not modify
private javax.swing.JButton jButton1;
private javax.swing.JButton jButton2;
private javax.swing.JLabel jLabel1;
private javax.swing.JLabel jLabel2;

```

```
private javax.swing.JLabel jLabel3;
private javax.swing.JPanel jPanel1;
private javax.swing.JPanel jPanel2;
private javax.swing.JPasswordField jPasswordField1;
private javax.swing.JTextField jTextField1;
// End of variables declaration
}
```

## ADMIN DASHBOARD

```
package banking.admin;

import banking.customer.checkBalance;
import banking.customer.deposit;
import banking.customer.withdraw;
import connection.connect;
import java.awt.HeadlessException;
import java.sql.ResultSet;
import java.sql.SQLException;
import java.sql.Statement;
import java.text.SimpleDateFormat;
import java.util.Date;
import javax.swing.JOptionPane;
import javax.swing.table.DefaultTableModel;
public class admindashboard extends javax.swing.JFrame {

    String name, B, phone, father, adhaar, address, pincode, ste, email, password, user,
    usertype, department;
    int adminno, accn;

    public admindashboard() {
        initComponents();
    }
    @SuppressWarnings("unchecked")
    // <editor-fold defaultstate="collapsed" desc="Generated Code">
    private void initComponents() {

        jPanel3 = new javax.swing.JPanel();
        jLabel1 = new javax.swing.JLabel();
        jLabel5 = new javax.swing.JLabel();
        jl = new javax.swing.JLabel();
        jLabel1 = new javax.swing.JLabel();
        jLabel2 = new javax.swing.JLabel();
        jLabel3 = new javax.swing.JLabel();
        jLabel6 = new javax.swing.JLabel();
        jPanel2 = new javax.swing.JPanel();
        jLabel4 = new javax.swing.JLabel();
        jButton1 = new javax.swing.JButton();
        jButton2 = new javax.swing.JButton();
        jButton3 = new javax.swing.JButton();
        jButton6 = new javax.swing.JButton();
        filler1 = new javax.swing.Box.Filler(new java.awt.Dimension(50, 0), new
        java.awt.Dimension(50, 0), new java.awt.Dimension(50, 32767));
        filler2 = new javax.swing.Box.Filler(new java.awt.Dimension(10, 0), new
        java.awt.Dimension(10, 0), new java.awt.Dimension(10, 32767));
        jButton4 = new javax.swing.JButton();
        jButton5 = new javax.swing.JButton();
    }

    private void initComponents() {
        jPanel3 = new javax.swing.JPanel();
        jLabel1 = new javax.swing.JLabel();
        jLabel5 = new javax.swing.JLabel();
        jl = new javax.swing.JLabel();
        jLabel1 = new javax.swing.JLabel();
        jLabel2 = new javax.swing.JLabel();
        jLabel3 = new javax.swing.JLabel();
        jLabel6 = new javax.swing.JLabel();
        jPanel2 = new javax.swing.JPanel();
        jLabel4 = new javax.swing.JLabel();
        jButton1 = new javax.swing.JButton();
        jButton2 = new javax.swing.JButton();
        jButton3 = new javax.swing.JButton();
        jButton6 = new javax.swing.JButton();
        filler1 = new javax.swing.Box.Filler(new java.awt.Dimension(50, 0), new
        java.awt.Dimension(50, 0), new java.awt.Dimension(50, 32767));
        filler2 = new javax.swing.Box.Filler(new java.awt.Dimension(10, 0), new
        java.awt.Dimension(10, 0), new java.awt.Dimension(10, 32767));
        jButton4 = new javax.swing.JButton();
        jButton5 = new javax.swing.JButton();
    }
}
```

```
jButton7 = new javax.swing.JButton();
jButton8 = new javax.swing.JButton();
jButton9 = new javax.swing.JButton();
jButton10 = new javax.swing.JButton();

setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);

jPanel3.setBackground(new java.awt.Color(255, 255, 255));

jLabel1.setText("username");

jLabel5.setText("admin number");

jl.setAutoscrolls(true);

jLabel2.setIcon(new
javax.swing.ImageIcon(getClass().getResource("/banking/admin/eaba0df644455e4209a185
7829e45307.jpg"))); // NOI18N

jLabel6.setBackground(new java.awt.Color(0, 0, 0));
jLabel6.setFont(new java.awt.Font("Segoe UI", 0, 18)); // NOI18N
jLabel6.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);

javax.swing.GroupLayout jPanel3Layout = new javax.swing.GroupLayout(jPanel3);
jPanel3.setLayout(jPanel3Layout);
jPanel3Layout.setHorizontalGroup(
  jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addGroup(jPanel3Layout.createSequentialGroup()
      .addGap(18, 18, 18)
      .addComponent(jLabel3, javax.swing.GroupLayout.PREFERRED_SIZE, 234,
javax.swing.GroupLayout.PREFERRED_SIZE)
      .addGap(18, 18, 18)
      .addGroup(jPanel3Layout.createSequentialGroup()
        .addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
          .addGroup(jPanel3Layout.createSequentialGroup()
            .addGap(0, 0, Short.MAX_VALUE)
            .addComponent(jLabel2))
          .addGroup(jPanel3Layout.createSequentialGroup()
            .addGap(18, 18, 18)
            .addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
              .addGroup(jPanel3Layout.createSequentialGroup()
                .addGap(31, 31, 31)
                .addComponent(jLabel5))
              .addGroup(jPanel3Layout.createSequentialGroup()
                .addGap(41, 41, 41)
                .addComponent(jLabel1)))))))
      .addGap(31, 31, 31)
    )
  .addGroup(jPanel3Layout.createSequentialGroup()
    .addGap(18, 18, 18)
    .addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
      .addGroup(jPanel3Layout.createSequentialGroup()
        .addGap(31, 31, 31)
        .addComponent(jLabel5))
      .addGroup(jPanel3Layout.createSequentialGroup()
        .addGap(41, 41, 41)
        .addComponent(jLabel1)))))))
    .addGap(31, 31, 31)
  )
  .addGroup(jPanel3Layout.createSequentialGroup()
    .addGap(18, 18, 18)
    .addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
      .addGroup(jPanel3Layout.createSequentialGroup()
        .addGap(31, 31, 31)
        .addComponent(jLabel5))
      .addGroup(jPanel3Layout.createSequentialGroup()
        .addGap(41, 41, 41)
        .addComponent(jLabel1)))))))
    .addGap(31, 31, 31)
  )
);
```

```

.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING
, false)
.addComponent(jl, javax.swing.GroupLayout.DEFAULT_SIZE, 132,
Short.MAX_VALUE)
.addComponent(jlabel, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))
.addGap(66, 66, 66)
.addComponent(jLabel6, javax.swing.GroupLayout.PREFERRED_SIZE, 101,
javax.swing.GroupLayout.PREFERRED_SIZE)))
.addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))
);
jPanel3Layout.setVerticalGroup(
jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
.addGroup(jPanel3Layout.createSequentialGroup()

.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING
)
.addGroup(jPanel3Layout.createSequentialGroup()
.addGap(30, 30, 30)

.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
)
.addComponent(jLabel1)
.addComponent(jlabel, javax.swing.GroupLayout.PREFERRED_SIZE, 26,
javax.swing.GroupLayout.PREFERRED_SIZE))
.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
)
.addComponent(jLabel5)
.addComponent(jl, javax.swing.GroupLayout.PREFERRED_SIZE, 27,
javax.swing.GroupLayout.PREFERRED_SIZE))
.addGroup(jPanel3Layout.createSequentialGroup()
.addGap(33, 33, 33)
.addComponent(jLabel6, javax.swing.GroupLayout.PREFERRED_SIZE, 43,
javax.swing.GroupLayout.PREFERRED_SIZE))
.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)
.addComponent(jLabel2, javax.swing.GroupLayout.PREFERRED_SIZE, 419,
javax.swing.GroupLayout.PREFERRED_SIZE)
.addGap(12, 12, 12)
.addComponent(jLabel3, javax.swing.GroupLayout.DEFAULT_SIZE, 35,
Short.MAX_VALUE)
.addContainerGap())
);

jPanel2.setBackground(new java.awt.Color(102, 0, 102));
jPanel2.setForeground(new java.awt.Color(153, 204, 255));
jPanel2.setMaximumSize(new java.awt.Dimension(70, 18));

```

```
jPanel2.setMinimumSize(new java.awt.Dimension(70, 18));

jLabel4.setFont(new java.awt.Font("Segoe UI", 1, 24)); // NOI18N
jLabel4.setForeground(new java.awt.Color(255, 255, 255));
jLabel4.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);
jLabel4.setText("MAIN MENU");
jLabel4.setToolTipText("");
jLabel4.setMaximumSize(new java.awt.Dimension(80, 30));
jLabel4.setPreferredSize(new java.awt.Dimension(70, 20));

jButton1.setText("ADD NEW MEMBER");

jButton1.setBorder(javax.swing.BorderFactory.createBevelBorder(javax.swing.border.BevelBorder.RAISED));
jButton1.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jButton1ActionPerformed(evt);
    }
});

jButton2.setText("VIEW STAFF");

jButton2.setBorder(javax.swing.BorderFactory.createBevelBorder(javax.swing.border.BevelBorder.RAISED));
jButton2.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jButton2ActionPerformed(evt);
    }
});

jButton3.setText("VIEW CUSTOMER");

jButton3.setBorder(javax.swing.BorderFactory.createBevelBorder(javax.swing.border.BevelBorder.RAISED));
jButton3.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jButton3ActionPerformed(evt);
    }
});

jButton6.setText("log out");

jButton6.setBorder(javax.swing.BorderFactory.createBevelBorder(javax.swing.border.BevelBorder.RAISED));
jButton6.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jButton6ActionPerformed(evt);
    }
});
```

```
filler1.setBackground(new java.awt.Color(0, 0, 0));
filler1.setBorder(javax.swing.BorderFactory.createLineBorder(new java.awt.Color(0, 0,
0), 10));
filler1.setInheritsPopupMenu(true);

jButton4.setText("SALARY");

jButton4.setBorder(javax.swing.BorderFactory.createBevelBorder(javax.swing.border.BevelB
order.RAISED));
jButton4.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jButton4ActionPerformed(evt);
    }
});

jButton5.setText("CHECK BALANCE");

jButton5.setBorder(javax.swing.BorderFactory.createBevelBorder(javax.swing.border.BevelB
order.RAISED));
jButton5.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jButton5ActionPerformed(evt);
    }
});

jButton7.setText("CHECK HISTORY");

jButton7.setBorder(javax.swing.BorderFactory.createBevelBorder(javax.swing.border.BevelB
order.RAISED));
jButton7.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jButton7ActionPerformed(evt);
    }
});

jButton8.setText("DEPOSIT");

jButton8.setBorder(javax.swing.BorderFactory.createBevelBorder(javax.swing.border.BevelB
order.RAISED));
jButton8.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jButton8ActionPerformed(evt);
    }
});

jButton9.setText("WITHDRAW");
```

```

jButton9.setBorder(javax.swing.BorderFactory.createBevelBorder(javax.swing.border.BevelBorder.RAISED));
    jButton9.addActionListener(new java.awt.event.ActionListener() {
        public void actionPerformed(java.awt.event.ActionEvent evt) {
            jButton9ActionPerformed(evt);
        }
    });
jButton10.setText("PROFILE");

jButton10.setBorder(javax.swing.BorderFactory.createBevelBorder(javax.swing.border.BevelBorder.RAISED));
    jButton10.addActionListener(new java.awt.event.ActionListener() {
        public void actionPerformed(java.awt.event.ActionEvent evt) {
            jButton10ActionPerformed(evt);
        }
    });
javax.swing.GroupLayout jPanel2Layout = new javax.swing.GroupLayout(jPanel2);
jPanel2.setLayout(jPanel2Layout);
jPanel2Layout.setHorizontalGroup(
    jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addGroup(jPanel2Layout.createSequentialGroup()
        .addGap(26, 26, 26)

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
)
    .addGroup(jPanel2Layout.createSequentialGroup()
        .addComponent(jLabel4, javax.swing.GroupLayout.PREFERRED_SIZE, 180,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE)
        .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
jPanel2Layout.createSequentialGroup()
            .addGap(10, 10, 10)
            .addComponent(filler2, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
            .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
)
    .addComponent(filler1, javax.swing.GroupLayout.PREFERRED_SIZE,
132, javax.swing.GroupLayout.PREFERRED_SIZE)

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING,
false)

```

```

        .addComponent(jButton10,
javax.swing.GroupLayout.Alignment.LEADING, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
            .addComponent(jButton3,
javax.swing.GroupLayout.Alignment.LEADING, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
            .addComponent(jButton4,
javax.swing.GroupLayout.Alignment.LEADING, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
            .addComponent(jButton2,
javax.swing.GroupLayout.Alignment.LEADING, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
            .addComponent(jButton1,
javax.swing.GroupLayout.Alignment.LEADING, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
            .addComponent(jButton5,
javax.swing.GroupLayout.Alignment.LEADING, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
            .addComponent(jButton7,
javax.swing.GroupLayout.Alignment.LEADING, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
            .addComponent(jButton9,
javax.swing.GroupLayout.Alignment.LEADING, javax.swing.GroupLayout.DEFAULT_SIZE,
124, Short.MAX_VALUE)
            .addComponent(jButton8,
javax.swing.GroupLayout.Alignment.LEADING, javax.swing.GroupLayout.DEFAULT_SIZE,
124, Short.MAX_VALUE)))
        .addGap(44, 44, 44)))
    .addGroup(jPanel2Layout.createSequentialGroup()
        .addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
        .addComponent(jButton6, javax.swing.GroupLayout.PREFERRED_SIZE, 79,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))
);
jPanel2Layout.setVerticalGroup(
    jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addGroup(jPanel2Layout.createSequentialGroup()
        .addGap(32, 32, 32)
        .addComponent(jLabel4, javax.swing.GroupLayout.PREFERRED_SIZE, 42,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
)
        .addComponent(filler1, javax.swing.GroupLayout.PREFERRED_SIZE, 8,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addComponent(filler2, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))
)

```

```

        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
        .addComponent(jButton10)
        .addGap(18, 18, 18)
        .addComponent(jButton1)
        .addGap(18, 18, 18)
        .addComponent(jButton2)
        .addGap(18, 18, 18)
        .addComponent(jButton3)
        .addGap(18, 18, 18)
        .addComponent(jButton9)
        .addGap(18, 18, 18)
        .addComponent(jButton5)
        .addGap(18, 18, 18)
        .addComponent(jButton7)
        .addGap(18, 18, 18)
        .addComponent(jButton4)
        .addGap(18, 18, 18)
        .addComponent(jButton8)
        .addGap(65, 65, 65)
        .addComponent(jButton6)
        .addGap(42, 42, 42))
    );
}

javax.swing.GroupLayout layout = new javax.swing.GroupLayout(getContentPane());
getContentPane().setLayout(layout);
layout.setHorizontalGroup(
    layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addGroup(layout.createSequentialGroup()
        .addComponent(jPanel2, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
        .addComponent(jPanel3, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
        .addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))
);
layout.setVerticalGroup(
    layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addComponent(jPanel2, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
    .addComponent(jPanel3, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
);
}

pack();
}// </editor-fold>

private void jButton1ActionPerformed(java.awt.event.ActionEvent evt) {
    try {

```

```

        addnewstaff as = new addnewstaff();
        as.setVisible(true);
        as.jLabel10.setText(jlabel.getText());
        as.jLabel14.setText(jl.getText());
        dispose();

    } catch (Exception e) {
        System.out.println(e);
    }

}

private void jButton2ActionPerformed(java.awt.event.ActionEvent evt) {
    connect cn = new connect();
    try {
        Statement stmt = cn.conn();
        String query1 = "select * from admin where admin_no='" + jl.getText() + "'";
        ResultSet rs = stmt.executeQuery(query1);
        adminData ad = new adminData();
        while (rs.next()) {

            if (rs.getString("usertype").equals("user")) {
                ad.jButton2.setVisible(false);
            }
            ad.setVisible(true);
            ad.jLabel5.setText(jl.getText());
            ad.jLabel4.setText(jlabel.getText());
            dispose();

        }
        String query2 = "select * from admin";
        rs = stmt.executeQuery(query2);
        DefaultTableModel model = (DefaultTableModel) ad.jTable1.getModel();
        while (rs.next()) {
            model.addRow(new Object[]{rs.getString("admin_no"), rs.getString("name"),
rs.getString("phone_no"),
                rs.getString("father"), rs.getString("address"), rs.getString("adhaar"),
rs.getString("pincode"),
                rs.getString("state"), rs.getString("email"), rs.getString("usertype")});
        }
    } catch (HeadlessException | NumberFormatException | SQLException e) {
        System.out.println(e);
    }
}

private void jButton3ActionPerformed(java.awt.event.ActionEvent evt) {
    connect cn = new connect();
    try {
        Statement stmt = cn.conn();

```

```

String query1 = "select * from admin where admin_no='" + jl.getText() + "'";
ResultSet rs = stmt.executeQuery(query1);
adminData ad = new adminData();
while (rs.next()) {
    if (rs.getString("usertype").equals("user")) {
        ad.jButton2.setVisible(false);
    }
    ad.setVisible(true);
    ad.jLabel5.setText(jl.getText());
    ad.jLabel4.setText(jlabel.getText());
    dispose();
}
String query2 = "select * from dashboard";
rs = stmt.executeQuery(query2);
DefaultTableModel model = (DefaultTableModel) ad.jTable1.getModel();
while (rs.next()) {
    model.addRow(new Object[]{rs.getString("Account_no"), rs.getString("name"),
    rs.getString("phone"),
    rs.getString("father"), rs.getString("adhaar"), rs.getString("address"),
    rs.getString("pincode"),
    rs.getString("state"), rs.getString("email"), rs.getString("balance")});
}
} catch (HeadlessException | NumberFormatException | SQLException e) {
    System.out.println(e);
}

}

private void jButton6ActionPerformed(java.awt.event.ActionEvent evt) {
    connect cn = new connect();

    try {
        Statement stmt = cn.conn();

        int result = JOptionPane.showConfirmDialog(this, "Do you really want to log out?", "warning", JOptionPane.YES_NO_OPTION, JOptionPane.QUESTION_MESSAGE);
        switch (result) {
            case JOptionPane.YES_OPTION -> {
                JOptionPane.showMessageDialog(this, "you are successfully logged out", "yayy", JOptionPane.INFORMATION_MESSAGE);
                adminlogin al = new adminlogin();
                al.setVisible(true);
                dispose();
            }
            case JOptionPane.NO_OPTION -> {
                String query2 = "select * from admin where admin_no='" + jl.getText() + "'";
                ResultSet rs = stmt.executeQuery(query2);
                while (rs.next()) {
                    admindashboard ad = new admindashboard();

```

```

        ad.setVisible(true);
        ad.jl.setText(jl.getText());
        ad jLabel.setText(jLabel.getText());

        if ("user".equals(rs.getString("usertype"))) {
            ad.JButton4.setVisible(false);
        }
        SimpleDateFormat formatter = new SimpleDateFormat("dd-MM-yyyy");
        String formattedDate = formatter.format(new java.util.Date());
        ad.JLabel3.setText("DATE : " + formattedDate);
        dispose();

    }

}

}

} catch (HeadlessException | SQLException e) {
    System.out.println(e);
}

}

private void jButton4ActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
    try {

        salary s = new salary();
        SimpleDateFormat formatter = new SimpleDateFormat("dd-MM-yyyy");
        String formattedDate = formatter.format(new Date());
        s.JLabel11.setText(formattedDate);
        s.setVisible(true);
        s.JLabel10.setText(jl.getText());
        s.JLabel9.setText(jLabel.getText());
        dispose();
    } catch (Exception e) {
        System.out.println(e);
    }
}

private void jButton5ActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
    connect cn = new connect();
    try {
        Statement stmt = cn.conn();
        ResultSet rs = stmt.executeQuery("select * from admin where admin_no='"
        jl.getText() + "'");
        while (rs.next()) {
            B = rs.getString("balance");
            checkBalance cb = new checkBalance();
            cb.setVisible(true);
        }
    }
}

```

```

        cb.jLabel3.setText("admin no");
        cb.jLabel7.setText(jl.getText());
        cb.jLabel6.setText(jlabel.getText());
        cb.jLabel5.setText(B);
        dispose();
    }
} catch (NumberFormatException | SQLException e) {
    System.out.println(e);
}
}

private void jButton7ActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
    connect cn = new connect();
    try {
        Statement stmt = cn.conn();
        administory h = new administory();
        DefaultTableModel model = (DefaultTableModel) h.jTable2.getModel();

        String query = "select * from admin where admin_no='" + jl.getText() + "'";
        ResultSet rs = stmt.executeQuery(query);
        while (rs.next()) {
            if (rs.getString("usertype").equals("user")) {
                String query1 = "select DISTINCT date from administory where admin_no='"
+ jl.getText() + "' Group by date";
                ResultSet rs1 = stmt.executeQuery(query1);
                while (rs1.next()) {
                    h.jComboBox2.addItem(rs1.getString("date"));
                }
                String query2 = "select DISTINCT to_admin_no from administory where
admin_no='" + jl.getText() + "' Group by to_admin_no";
                ResultSet rs2 = stmt.executeQuery(query2);
                while (rs2.next()) {
                    h.jComboBox3.addItem(rs2.getString("to_admin_no"));
                }
                String query3 = "select DISTINCT type from administory where admin_no='"
+ jl.getText() + "' Group by type";
                ResultSet rs3 = stmt.executeQuery(query3);
                while (rs3.next()) {
                    h.jComboBox1.addItem(rs3.getString("type"));
                }
            }
            String queryy = "select * from administory where admin_no='" + jl.getText()
+ "'";
            ResultSet rst = stmt.executeQuery(queryy);
            while (rst.next()) {
                model.addRow(new Object[]{rst.getString("admin_no"),
rst.getString("date"), rst.getString("to_admin_no"), rst.getString("amount"),
rst.getString("type")});
            }
        }
    }
}

```

```

        h.setVisible(true);
        h.jLabel3.setText(jlabel.getText());
        h.jLabel5.setText(jl.getText());
        dispose();
    }
} else {
    String query1 = "select DISTINCT date from administory where admin_no="""
+ jl.getText() + "" Group by date";
    ResultSet rs1 = stmt.executeQuery(query1);
    while (rs1.next()) {
        h.jComboBox2.addItem(rs1.getString("date"));
    }
    String query2 = "select DISTINCT to_admin_no from administory where
admin_no="" + jl.getText() + "" Group by to_admin_no";
    ResultSet rs2 = stmt.executeQuery(query2);
    while (rs2.next()) {
        h.jComboBox3.addItem(rs2.getString("to_admin_no"));
    }
    String query3 = "select DISTINCT type from administory where admin_no="""
+ jl.getText() + "" Group by type";
    ResultSet rs3 = stmt.executeQuery(query3);
    while (rs3.next()) {
        h.jComboBox1.addItem(rs3.getString("type"));
    }
    String query4 = "select * from administory";
    ResultSet rss = stmt.executeQuery(query4);
    while (rss.next()) {
        model.addRow(new Object[]{rss.getString("admin_no"),
rss.getString("date"), rss.getString("to_admin_no"), rss.getString("amount"),
rss.getString("type")});
        h.setVisible(true);
        h.jLabel3.setText(jlabel.getText());
        h.jLabel5.setText(jl.getText());
        dispose();
    }
}
}
} catch (SQLException e) {
    System.out.println(e);
}
}

private void jButton8ActionPerformed(java.awt.event.ActionEvent evt) {
// TODO add your handling code here
try {

deposit d = new deposit();
SimpleDateFormat formatter = new SimpleDateFormat("dd-MM-yyyy");
String formattedDate = formatter.format(new Date());

```

```

        d.jLabel8.setText(formattedDate);
        d.setVisible(true);
        d.jLabel5.setText("admin no");
        d.jLabel7.setText(jl.getText());
        d.jLabel6.setText(jlabel.getText());
        dispose();

    } catch (Exception e) {
        System.out.println(e);
    }
}

private void jButton9ActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
    connect cn = new connect();
    try {
        Statement stmt = cn.conn();
        String query1 = "select * from admin where admin_no='" + jl.getText() + "'";
        ResultSet rs = stmt.executeQuery(query1);
        while (rs.next()) {
            withdraw w = new withdraw();
            SimpleDateFormat formatter = new SimpleDateFormat("dd-MM-yyyy");
            String formattedDate = formatter.format(new Date());
            w.jLabel9.setText(formattedDate);
            accn = Integer.parseInt(rs.getString("admin_no"));
            user = rs.getString("email");
            w.setVisible(true);
            w.jLabel5.setText("admin no");
            w.jLabel7.setText(Integer.toString(accn));
            w.jLabel6.setText(user);
            dispose();
        }
    } catch (NumberFormatException | SQLException e) {
        System.out.println(e);
    }
}

private void jButton10ActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
    connect cn = new connect();
    try {

        Statement stmt = cn.conn();
        String query1 = "select * from admin where admin_no='" + jl.getText() + "'";
        ResultSet rs = stmt.executeQuery(query1);
        while (rs.next()) {
            name = rs.getString("name");
            phone = rs.getString("phone_no");
            father = rs.getString("father");
    
```

```

        adhaar = rs.getString("adhaar");
        address = rs.getString("address");
        pincode = rs.getString("pincode");
        ste = rs.getString("state");
        email = rs.getString("email");
        password = rs.getString("password");
        adminno = rs.getInt("admin_no");
        usertype = rs.getString("usertype");
        department = rs.getString("department");
        admin_details ud = new admin_details();
        ud.setVisible(true);
        ud.jLabel9.setText(name);
        ud.jLabel10.setText(phone);
        ud.jLabel13.setText(father);
        ud.jLabel14.setText(adhaar);
        ud.jLabel15.setText(address);
        ud.jLabel16.setText(pincode);
        ud.jLabel17.setText(ste);
        ud.jLabel19.setText(email);
        ud.jLabel20.setText(password);
        ud.jLabel22.setText(Integer.toString(adminno));
        ud.jLabel24.setText(usertype);
        ud.jLabel26.setText(department);

        dispose();
    }
} catch (SQLException e) {
    System.out.println(e);
}

}

/***
 * @param args the command line arguments
 */
public static void main(String args[]) {
    /* Set the Nimbus look and feel */
    //<editor-fold defaultstate="collapsed" desc=" Look and feel setting code (optional)
">
    /* If Nimbus (introduced in Java SE 6) is not available, stay with the default look and
feel.
     * For details see
http://download.oracle.com/javase/tutorial/uiswing/lookandfeel/plaf.html
*/
    try {
        for (javax.swing.UIManager.LookAndFeelInfo info :
javax.swing.UIManager.getInstalledLookAndFeels()) {
            if ("Nimbus".equals(info.getName())) {
                javax.swing.UIManager.setLookAndFeel(info.getClassName());

```

```
        break;
    }
}
} catch (ClassNotFoundException ex) {

java.util.logging.Logger.getLogger(admindashboard.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
} catch (InstantiationException ex) {

java.util.logging.Logger.getLogger(admindashboard.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
} catch (IllegalAccessException ex) {

java.util.logging.Logger.getLogger(admindashboard.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
} catch (javax.swing.UnsupportedLookAndFeelException ex) {

java.util.logging.Logger.getLogger(admindashboard.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
}
//</editor-fold>

/* Create and display the form */
java.awt.EventQueue.invokeLater(new Runnable() {
    public void run() {
        new admindashboard().setVisible(true);
    }
});
}

// Variables declaration - do not modify
private javax.swing.Box.Filler filler1;
private javax.swing.Box.Filler filler2;
private javax.swing.JButton jButton1;
private javax.swing.JButton jButton10;
private javax.swing.JButton jButton2;
private javax.swing.JButton jButton3;
public javax.swing.JButton jButton4;
private javax.swing.JButton jButton5;
private javax.swing.JButton jButton6;
private javax.swing.JButton jButton7;
public javax.swing.JButton jButton8;
private javax.swing.JButton jButton9;
private javax.swing.JLabel jLabel1;
private javax.swing.JLabel jLabel2;
public javax.swing.JLabel jLabel3;
private javax.swing.JLabel jLabel4;
public javax.swing.JLabel jLabel5;
public javax.swing.JLabel jLabel6;
```

```
private javax.swing.JPanel jPanel2;
private javax.swing.JPanel jPanel3;
public javax.swing.JLabel jl;
public javax.swing.JLabel jLabel;
}
```

## ADD NEW STAFF

```
package banking.admin;

import connection.connect;
import java.awt.HeadlessException;
import java.sql.Statement;
import java.sql.ResultSet;
import java.sql.SQLException;
import java.text.SimpleDateFormat;
import javax.swing.JOptionPane;

public class addnewstaff extends javax.swing.JFrame {

    String user, usertype;
    int admno;

    public addnewstaff() {
        initComponents();
    }
    @SuppressWarnings("unchecked")
    // <editor-fold defaultstate="collapsed" desc="Generated Code">
    private void initComponents() {

        jPanel1 = new javax.swing.JPanel();
        jLabel1 = new javax.swing.JLabel();
        jLabel9 = new javax.swing.JLabel();
        jLabel10 = new javax.swing.JLabel();
        jLabel13 = new javax.swing.JLabel();
        jLabel14 = new javax.swing.JLabel();
        jPanel2 = new javax.swing.JPanel();
        jLabel2 = new javax.swing.JLabel();
        jLabel3 = new javax.swing.JLabel();
        jLabel4 = new javax.swing.JLabel();
        jLabel5 = new javax.swing.JLabel();
        jLabel6 = new javax.swing.JLabel();
        jLabel7 = new javax.swing.JLabel();
        jLabel8 = new javax.swing.JLabel();
        jLabel11 = new javax.swing.JLabel();
        jLabel12 = new javax.swing.JLabel();
        jLabel18 = new javax.swing.JLabel();
        jButton1 = new javax.swing.JButton();
        jButton3 = new javax.swing.JButton();
        jTextField1 = new javax.swing.JTextField();
        jTextField2 = new javax.swing.JTextField();
        jTextField3 = new javax.swing.JTextField();
        jTextField4 = new javax.swing.JTextField();
        jTextField5 = new javax.swing.JTextField();
        jTextField6 = new javax.swing.JTextField();
```

```
jTextField7 = new javax.swing.JTextField();
jTextField8 = new javax.swing.JTextField();
jPasswordField1 = new javax.swing.JPasswordField();
jLabel15 = new javax.swing.JLabel();
jTextField9 = new javax.swing.JTextField();

setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);

jPanel1.setBackground(new java.awt.Color(255, 153, 255));

jLabel1.setFont(new java.awt.Font("Segoe UI", 3, 36)); // NOI18N
jLabel1.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);
jLabel1.setText("NEW MEMBER");

jLabel9.setText("username");

jLabel13.setText("Admin no");

javax.swing.GroupLayout jPanel1Layout = new javax.swing.GroupLayout(jPanel1);
jPanel1.setLayout(jPanel1Layout);
jPanel1Layout.setHorizontalGroup(
    jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel1Layout.createSequentialGroup()
            .addGap(107, 107, 107)
            .addComponent(jLabel1, javax.swing.GroupLayout.PREFERRED_SIZE, 282, javax.swing.GroupLayout.PREFERRED_SIZE))
        .addGroup(jPanel1Layout.createSequentialGroup()
            .addGap(33, 33, 33)
            .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                .addGroup(jPanel1Layout.createSequentialGroup()
                    .addGap(18, 18, 18)
                    .addComponent(jLabel13))
                .addGroup(jPanel1Layout.createSequentialGroup()
                    .addGap(18, 18, 18)
                    .addComponent(jLabel14,
                        javax.swing.GroupLayout.PREFERRED_SIZE, 215, javax.swing.GroupLayout.PREFERRED_SIZE)
                    .addGap(18, 18, 18)
                    .addComponent(jLabel9))
                .addGroup(jPanel1Layout.createSequentialGroup()
                    .addGap(18, 18, 18)
                    .addComponent(jLabel10,
                        javax.swing.GroupLayout.PREFERRED_SIZE, 177, javax.swing.GroupLayout.PREFERRED_SIZE)
                    .addGap(18, 18, 18)
                    .addComponent(jLabel15)))))))
    .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED, Short.MAX_VALUE)
    .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel1Layout.createSequentialGroup()
            .addGap(84, 84, 84)
            .addComponent(jLabel16)))
)
```

```

jPanel1Layout.setVerticalGroup(
    jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel1Layout.createSequentialGroup()
            .addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
            .addComponent(jLabel1, javax.swing.GroupLayout.PREFERRED_SIZE, 80,
javax.swing.GroupLayout.PREFERRED_SIZE)
            .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

        .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addComponent(jLabel9)
            .addComponent(jLabel10, javax.swing.GroupLayout.PREFERRED_SIZE, 22,
javax.swing.GroupLayout.PREFERRED_SIZE))
            .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

        .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING)
            .addComponent(jLabel13)
            .addComponent(jLabel14, javax.swing.GroupLayout.PREFERRED_SIZE, 22,
javax.swing.GroupLayout.PREFERRED_SIZE))
            .addContainerGap())
    );
}

jPanel2.setBackground(new java.awt.Color(255, 255, 255));

jLabel2.setText("NAME");

jLabel3.setText("PHONE NO");

jLabel4.setText("FATHER'S NAME");

jLabel5.setText("ADHAAR NO");

jLabel6.setText("ADDRESS");

jLabel7.setText("PIN CODE");

jLabel8.setText("STATE");

jLabel11.setText("EMAIL ADDRESS");

jLabel12.setText("PASSWORD");

jButton1.setText("back to home");
jButton1.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jButton1ActionPerformed(evt);
    }
});

```

```

jButton3.setText("SUBMIT");
jButton3.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jButton3ActionPerformed(evt);
    }
});

jTextField2.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jTextField2ActionPerformed(evt);
    }
});

jTextField6.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jTextField6ActionPerformed(evt);
    }
});

jLabel15.setText("DEPARTMENT");

javax.swing.GroupLayout jPanel2Layout = new javax.swing.GroupLayout(jPanel2);
jPanel2.setLayout(jPanel2Layout);
jPanel2Layout.setHorizontalGroup(
    jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addGroup(jPanel2Layout.createSequentialGroup()
        .addGap(32, 32, 32)
        .addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addComponent(jLabel7)
            .addComponent(jLabel5)
            .addComponent(jLabel6))
        .addGap(32, 32, 32)
        .addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(jPanel2Layout.createSequentialGroup()
                .addGap(32, 32, 32)
                .addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                    .addComponent(jLabel3)
                    .addComponent(jLabel4)
                    .addComponent(jLabel8)
                    .addComponent(jLabel11)
                    .addComponent(jLabel15)
                    .addComponent(jLabel12)))
            .addGap(32, 32, 32)
            .addGroup(jPanel2Layout.createSequentialGroup()
                .addGap(32, 32, 32)
                .addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                    .addComponent(jLabel1)
                    .addComponent(jLabel2)
                    .addComponent(jLabel9)
                    .addComponent(jLabel10)
                    .addComponent(jLabel13)
                    .addComponent(jLabel14)))))))
);

```

```

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
)
    .addGroup(jPanel2Layout.createSequentialGroup()
        .addGap(24, 24, 24)

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING
, false)
    .addComponent(jPasswordField1)
    .addComponent(jTextField8)
    .addComponent(jTextField2)
    .addComponent(jTextField3)
    .addComponent(jTextField4)
    .addComponent(jTextField5)
    .addComponent(jTextField6)
    .addComponent(jTextField7)
    .addComponent(jTextField9,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))
        .addGap(0, 0, Short.MAX_VALUE))
    .addGroup(jPanel2Layout.createSequentialGroup()
        .addGap(2, 2, 2)
        .addComponent(jButton3)
        .addGap(48, 48, 48)
        .addComponent(jButton1)
        .addGap(126, 126, 126)
        .addComponent(jLabel18,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE)))
    .addGroup(javax.swing.GroupLayout.Alignment.LEADING,
jPanel2Layout.createSequentialGroup()
    .addComponent(jLabel2)
    .addGap(78, 78, 78)
    .addComponent(jTextField1,
javax.swing.GroupLayout.PREFERRED_SIZE, 299,
javax.swing.GroupLayout.PREFERRED_SIZE)))))
);

jPanel2Layout.setVerticalGroup(
    jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel2Layout.createSequentialGroup()
            .addComponent(jLabel2)
            .addComponent(jTextField1, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
            .addGap(29, 29, 29)

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
)
    .addComponent(jLabel2)
    .addComponent(jTextField1, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))
    .addGap(20, 20, 20)
);

```

```
.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
        .addComponent(jLabel3)
        .addComponent(jTextField2, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))
.addGap(18, 18, 18)

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
        .addComponent(jLabel4)
        .addComponent(jTextField3, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))
.addGap(20, 20, 20)

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
        .addComponent(jLabel5)
        .addComponent(jTextField4, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))
.addGap(18, 18, 18)

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
        .addComponent(jLabel6)
        .addComponent(jTextField5, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))
.addGap(18, 18, 18)

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
        .addComponent(jLabel7)
        .addComponent(jTextField6, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))
.addGap(18, 18, 18)

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
        .addComponent(jLabel8)
        .addComponent(jTextField7, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))
.addGap(21, 21, 21)

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
        .addComponent(jLabel11)
        .addComponent(jTextField8, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))
.addGap(18, 18, 18)
```

```

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
        .addComponent(jLabel12)
        .addComponent(jPasswordField1, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))
        .addGap(18, 18, 18)

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
        .addComponent(jLabel15)
        .addComponent(jTextField9, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel2Layout.createSequentialGroup()
            .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
            .addComponent(jLabel18, javax.swing.GroupLayout.PREFERRED_SIZE, 22,
javax.swing.GroupLayout.PREFERRED_SIZE))
        .addGroup(jPanel2Layout.createSequentialGroup()
            .addGap(18, 18, 18))

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
        .addComponent(jButton3)
        .addComponent(jButton1)))
        .addContainerGap(12, Short.MAX_VALUE))
);

javax.swing.GroupLayout layout = new javax.swing.GroupLayout(getContentPane());
getContentPane().setLayout(layout);
layout.setHorizontalGroup(
    layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addGroup(layout.createSequentialGroup()
        .addContainerGap()

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addComponent(jPanel1, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
        .addComponent(jPanel2, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))
        .addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))
);

layout.setVerticalGroup(
    layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addGroup(layout.createSequentialGroup()
        .addContainerGap()

```

```

.addComponent(jPanel1, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
.addComponent(jPanel2, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
.addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))
);

pack();
}// </editor-fold>

private void jTextField6ActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
}

private void jTextField2ActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
}

private void jButton3ActionPerformed(java.awt.event.ActionEvent evt) {
    connect cn = new connect();
    try {

        String name = jTextField1.getText();
        String phone = jTextField2.getText();
        String Father = jTextField3.getText();
        String adhaar = jTextField4.getText();
        String address = jTextField5.getText();
        String pincode = jTextField6.getText();
        String state = jTextField7.getText();
        String email = jTextField8.getText();
        String password = jPasswordField1.getText();
        String department = jTextField9.getText();

        if (name.equals("")) {
            JOptionPane.showMessageDialog(this, "kindly write your name", "Woops",
JOptionPane.ERROR_MESSAGE);
        } else if (phone.equals("")) {
            JOptionPane.showMessageDialog(this, "kindly write your phone no", "Woops",
JOptionPane.ERROR_MESSAGE);
        } else if (phone.length() != 10) {
            JOptionPane.showMessageDialog(this, "phone number should be of 10 digits",
"Woops", JOptionPane.ERROR_MESSAGE);
        } else if (Father.equals("")) {
            JOptionPane.showMessageDialog(this, "kindly write your fathers name",
"Woops", JOptionPane.ERROR_MESSAGE);
        } else if (adhaar.equals("")) {
            JOptionPane.showMessageDialog(this, "kindly enter your aadhar no", "Woops",
JOptionPane.ERROR_MESSAGE);
        }
    }
}

```

```

    } else if (adhaar.length() != 12) {
        JOptionPane.showMessageDialog(this, "adhaar number should be of 12 digits",
        "Woops", JOptionPane.ERROR_MESSAGE);
    } else if (address.equals("")) {
        JOptionPane.showMessageDialog(this, "kindly enter your address", "Woops",
        JOptionPane.ERROR_MESSAGE);
    } else if (pincode.length() < 6) {
        JOptionPane.showMessageDialog(this, "Pincode should be 6 digits long",
        "Woops", JOptionPane.ERROR_MESSAGE);
    } else if (email.equals("")) {
        JOptionPane.showMessageDialog(this, "kindly enter your email", "Woops",
        JOptionPane.ERROR_MESSAGE);
    } else if (password.equals("")) {
        JOptionPane.showMessageDialog(this, "kindly enter the password", "Woops",
        JOptionPane.ERROR_MESSAGE);
    } else if (password.length() < 8) {
        JOptionPane.showMessageDialog(this, "Password should be minimum 8
        characters long", "Woops", JOptionPane.ERROR_MESSAGE);
    } else if (department.equals("")) {
        JOptionPane.showMessageDialog(this, "kindly enter the department", "Woops",
        JOptionPane.ERROR_MESSAGE);
    } else if (password.length() >= 8) {
        Statement stmt = cn.conn();
        String query1 = "INSERT INTO
admin(name,phone_no,father,address,adhaar,pincode,state,email,password,usertype,depart
ment,balance)VALUES ('" + name + "','" + phone + "','" + Father + "','" + address + "','" +
+ adhaar + "','" + pincode + "','" + state + "','" + email + "','" + password + "','" + user" +
+ "','" + department + "','" + "0" + "')";
        stmt.executeUpdate(query1);

        String query2 = "select * from admin where admin_no=" + jLabel14.getText() +
        "";
        ResultSet rs = stmt.executeQuery(query2);
        while (rs.next()) {
            JOptionPane.showMessageDialog(this, "new member added successfully");
            admno = Integer.parseInt(rs.getString("admin_no"));
            user = rs.getString("email");
            usertype = rs.getString("usertype");
            admindashboard ad = new admindashboard();

            ad.setVisible(true);
            ad.jl.setText(Integer.toString(admno));
            ad.jlabel.setText(user);
            ad.jLabel6.setText(usertype);
            if (usertype.equals("user")) {
                ad.JButton4.setVisible(false);
            }
            SimpleDateFormat formatter = new SimpleDateFormat("dd-MM-yyyy");
            String formattedDate = formatter.format(new java.util.Date());

```

```

        ad.jLabel3.setText("DATE : " + formattedDate);
        dispose();
    }

}

} catch (HeadlessException | NumberFormatException | SQLException e) {
    System.out.println(e);
}
}

private void jButton1ActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
    connect cn = new connect();
    try {
        Statement stmt = cn.conn();
        String query1 = "select * from admin where admin_no='" + jLabel14.getText() +
        "'";
        ResultSet rs = stmt.executeQuery(query1);
        while (rs.next()) {
            admno = Integer.parseInt(rs.getString("admin_no"));
            user = rs.getString("email");
            usertype = rs.getString("usertype");
            admindashboard as = new admindashboard();
            as.setVisible(true);
            as.jl.setText(Integer.toString(admno));
            as.jlabel.setText(user);
            as.jLabel6.setText(usertype);
            if (usertype.equals("user")) {
                as.JButton4.setVisible(false);
            }
            SimpleDateFormat formatter = new SimpleDateFormat("dd-MM-yyyy");
            String formattedDate = formatter.format(new java.util.Date());
            as.jLabel3.setText("DATE : " + formattedDate);
            dispose();
        }
    } catch (NumberFormatException | SQLException e) {
        System.out.println(e);
    }
}

/** 
 * @param args the command line arguments
 */
public static void main(String args[]) {
    /* Set the Nimbus look and feel */
    // <editor-fold defaultstate="collapsed" desc=" Look and feel setting code (optional)
    ">
    /* If Nimbus (introduced in Java SE 6) is not available, stay with the default look and
    feel.

```

```

        * For details see
http://download.oracle.com/javase/tutorial/uiswing/lookandfeel/plaf.html
        */
try {
    for (javax.swing.UIManager.LookAndFeelInfo info :
javax.swing.UIManager.getInstalledLookAndFeels()) {
        if ("Nimbus".equals(info.getName())) {
            javax.swing.UIManager.setLookAndFeel(info.getClassName());
            break;
        }
    }
} catch (ClassNotFoundException ex) {

java.util.logging.Logger.getLogger(addnewstaff.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
} catch (InstantiationException ex) {

java.util.logging.Logger.getLogger(addnewstaff.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
} catch (IllegalAccessException ex) {

java.util.logging.Logger.getLogger(addnewstaff.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
} catch (javax.swing.UnsupportedLookAndFeelException ex) {

java.util.logging.Logger.getLogger(addnewstaff.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
}

//</editor-fold>

/* Create and display the form */
java.awt.EventQueue.invokeLater(new Runnable() {
    public void run() {
        new addnewstaff().setVisible(true);
    }
});
}

// Variables declaration - do not modify
private javax.swing.JButton jButton1;
private javax.swing.JButton jButton3;
private javax.swing.JLabel jLabel1;
public javax.swing.JLabel jLabel10;
private javax.swing.JLabel jLabel11;
private javax.swing.JLabel jLabel12;
private javax.swing.JLabel jLabel13;
public javax.swing.JLabel jLabel14;
private javax.swing.JLabel jLabel15;
private javax.swing.JLabel jLabel18;

```

```
private javax.swing.JLabel jLabel2;
private javax.swing.JLabel jLabel3;
private javax.swing.JLabel jLabel4;
private javax.swing.JLabel jLabel5;
private javax.swing.JLabel jLabel6;
private javax.swing.JLabel jLabel7;
private javax.swing.JLabel jLabel8;
private javax.swing.JLabel jLabel9;
private javax.swing.JPanel jPanel1;
private javax.swing.JPanel jPanel2;
private javax.swing.JPasswordField jPasswordField1;
private javax.swing.JTextField jTextField1;
private javax.swing.JTextField jTextField2;
private javax.swing.JTextField jTextField3;
private javax.swing.JTextField jTextField4;
private javax.swing.JTextField jTextField5;
private javax.swing.JTextField jTextField6;
private javax.swing.JTextField jTextField7;
private javax.swing.JTextField jTextField8;
private javax.swing.JTextField jTextField9;
// End of variables declaration
}
```

## ADMIN DETAILS

```
package banking.admin;

import connection.connect;
import java.sql.ResultSet;
import java.sql.SQLException;
import java.sql.Statement;
import java.text.SimpleDateFormat;

public class admin_details extends javax.swing.JFrame {

    String nme, phone, father, adhaar, address, pincode, ste, email, password, user,
    usertype, department;
    int account, adminno;

    public admin_details() {
        initComponents();
    }

    @SuppressWarnings("unchecked")
    // <editor-fold defaultstate="collapsed" desc="Generated Code">
    private void initComponents() {

        jPanel1 = new javax.swing.JPanel();
        jLabel1 = new javax.swing.JLabel();
        jPanel2 = new javax.swing.JPanel();
        jLabel2 = new javax.swing.JLabel();
        jLabel3 = new javax.swing.JLabel();
        jLabel4 = new javax.swing.JLabel();
        jLabel5 = new javax.swing.JLabel();
        jLabel6 = new javax.swing.JLabel();
        jLabel7 = new javax.swing.JLabel();
        jLabel8 = new javax.swing.JLabel();
        jLabel11 = new javax.swing.JLabel();
        jLabel12 = new javax.swing.JLabel();
        jLabel18 = new javax.swing.JLabel();
        jLabel9 = new javax.swing.JLabel();
        jLabel10 = new javax.swing.JLabel();
        jLabel13 = new javax.swing.JLabel();
        jLabel14 = new javax.swing.JLabel();
        jLabel15 = new javax.swing.JLabel();
        jLabel16 = new javax.swing.JLabel();
        jLabel17 = new javax.swing.JLabel();
        jLabel19 = new javax.swing.JLabel();
        jLabel20 = new javax.swing.JLabel();
        jButton1 = new javax.swing.JButton();
```

```
jButton3 = new javax.swing.JButton();
jLabel21 = new javax.swing.JLabel();
jLabel22 = new javax.swing.JLabel();
jLabel24 = new javax.swing.JLabel();
jLabel25 = new javax.swing.JLabel();
jLabel26 = new javax.swing.JLabel();
jLabel28 = new javax.swing.JLabel();

setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);

jPanel1.setBackground(new java.awt.Color(153, 255, 153));

jLabel1.setFont(new java.awt.Font("Segoe UI", 3, 36)); // NOI18N
jLabel1.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);
jLabel1.setText("ADMIN DETAILS");

javax.swing.GroupLayout jPanel1Layout = new javax.swing.GroupLayout(jPanel1);
jPanel1.setLayout(jPanel1Layout);
jPanel1Layout.setHorizontalGroup(
    jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel1Layout.createSequentialGroup()
            .addContainerGap()
            .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                .addGroup(jPanel1Layout.createSequentialGroup()
                    .addComponent(jLabel1, javax.swing.GroupLayout.PREFERRED_SIZE, 282, javax.swing.GroupLayout.PREFERRED_SIZE)
                    .addGap(93, 93, 93))
                .addGroup(jPanel1Layout.createSequentialGroup()
                    .addGap(16, 16, 16)
                    .addComponent(jLabel1)
                    .addGap(17, Short.MAX_VALUE)))
            .addContainerGap())
);
jPanel1Layout.setVerticalGroup(
    jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel1Layout.createSequentialGroup()
            .addContainerGap()
            .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                .addComponent(jLabel1, javax.swing.GroupLayout.PREFERRED_SIZE, 282, javax.swing.GroupLayout.PREFERRED_SIZE)
                .addGap(93, 93, 93))
            .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)
            .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                .addComponent(jLabel1)
                .addGap(17, Short.MAX_VALUE)))
            .addContainerGap())
);

jPanel2.setBackground(new java.awt.Color(255, 255, 255));

jLabel2.setText("NAME");

jLabel3.setText("PHONE NO");

jLabel4.setText("FATHER'S NAME");

jLabel5.setText("ADHAAR NO");

jLabel6.setText("ADDRESS");

jLabel7.setText("PIN CODE");
```

```

jLabel8.setText("STATE");

jLabel11.setText("EMAIL ADDRESS");

jLabel12.setText("PASSWORD");

jButton1.setText("back to home");
jButton1.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jButton1ActionPerformed(evt);
    }
});

jButton3.setText("UPDATE");
jButton3.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jButton3ActionPerformed(evt);
    }
});

jLabel21.setText("ADMIN NO");

jLabel25.setText("DEPARTMENT");

jLabel28.setText("USERTYPE");

javax.swing.GroupLayout jPanel2Layout = new javax.swing.GroupLayout(jPanel2);
jPanel2.setLayout(jPanel2Layout);
jPanel2Layout.setHorizontalGroup(
    jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addGroup(jPanel2Layout.createSequentialGroup()
        .addGap(116, 116, 116)
        .addComponent(jButton3)
        .addGap(58, 58, 58)
        .addComponent(jButton1)
        .addGap(0, 0, Short.MAX_VALUE))
    .addGroup(jPanel2Layout.createSequentialGroup()
        .addGap(32, 32, 32)
        .addGap(391, 391, 391)
        .addComponent(jLabel18, javax.swing.GroupLayout.PREFERRED_SIZE, 74, javax.swing.GroupLayout.PREFERRED_SIZE)
        .addGap(391, 391, 391)
        .addComponent(jLabel18, javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)))
    .addGroup(jPanel2Layout.createSequentialGroup()
        .addGap(32, 32, 32)
        .addGap(391, 391, 391)
        .addComponent(jLabel18, javax.swing.GroupLayout.PREFERRED_SIZE, 74, javax.swing.GroupLayout.PREFERRED_SIZE)
        .addGap(391, 391, 391)
        .addComponent(jLabel18, javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)))
    .addGroup(jPanel2Layout.createSequentialGroup()
        .addGap(32, 32, 32)
        .addGap(391, 391, 391)
        .addComponent(jLabel18, javax.swing.GroupLayout.PREFERRED_SIZE, 74, javax.swing.GroupLayout.PREFERRED_SIZE)
        .addGap(391, 391, 391)
        .addComponent(jLabel18, javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)))
);

```

```
.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING
, false)
    .addComponent(jLabel2)
    .addGroup(jPanel2Layout.createSequentialGroup()
        .addGap(10, 10, 10)
        .addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addComponent(jLabel3)
            .addComponent(jLabel4)
            .addComponent(jLabel5)
            .addComponent(jLabel6)
            .addComponent(jLabel7)
            .addComponent(jLabel8)
            .addComponent(jLabel11)
            .addComponent(jLabel12)
            .addComponent(jLabel21))
        .addGap(10, 10, 10)
        .addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addComponent(jLabel22,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE)
                .addComponent(jLabel9, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
                .addComponent(jLabel10,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE)
            .addComponent(jLabel13,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE)
                .addComponent(jLabel14,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE)
            .addComponent(jLabel15,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE)
                .addComponent(jLabel16,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE)
            .addComponent(jLabel17,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE)
                .addComponent(jLabel19,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE)
            .addComponent(jLabel20,
javax.swing.GroupLayout.DEFAULT_SIZE, 305, Short.MAX_VALUE)))
        .addGap(10, 10, 10)
    )
    .addGap(10, 10, 10)
)
```

```
        .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
jPanel2Layout.createSequentialGroup()
        .addComponent(jLabel25)

        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED, 41,
Short.MAX_VALUE)

        .addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING
, false)
            .addComponent(jLabel26,
javax.swing.GroupLayout.DEFAULT_SIZE, 305, Short.MAX_VALUE)
            .addComponent(jLabel24,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE)))
        .addGap(0, 0, Short.MAX_VALUE))))
    );
jPanel2Layout.setVerticalGroup(
    jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addGroup(jPanel2Layout.createSequentialGroup()
        .addComponent(jLabel2)
        .addComponent(jLabel9, javax.swing.GroupLayout.PREFERRED_SIZE, 22,
javax.swing.GroupLayout.PREFERRED_SIZE))
        .addGap(32, 32, 32)

    .addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
)
        .addComponent(jLabel2)
        .addComponent(jLabel9, javax.swing.GroupLayout.PREFERRED_SIZE, 22,
javax.swing.GroupLayout.PREFERRED_SIZE))
        .addGap(20, 20, 20)

    .addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING
)
        .addComponent(jLabel3)
        .addComponent(jLabel10, javax.swing.GroupLayout.PREFERRED_SIZE, 22,
javax.swing.GroupLayout.PREFERRED_SIZE))
        .addGap(18, 18, 18)

    .addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING
)
        .addComponent(jLabel4)
        .addComponent(jLabel13, javax.swing.GroupLayout.PREFERRED_SIZE, 21,
javax.swing.GroupLayout.PREFERRED_SIZE))
        .addGap(21, 21, 21)

    .addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING
)
        .addComponent(jLabel5)
        .addComponent(jLabel14, javax.swing.GroupLayout.PREFERRED_SIZE, 22,
javax.swing.GroupLayout.PREFERRED_SIZE))
        .addGap(18, 18, 18)
```

```
.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
)
    .addComponent(jLabel6)
    .addComponent(jLabel15, javax.swing.GroupLayout.PREFERRED_SIZE, 22,
javax.swing.GroupLayout.PREFERRED_SIZE))
    .addGap(18, 18, 18)

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
)
    .addComponent(jLabel7)
    .addComponent(jLabel16, javax.swing.GroupLayout.PREFERRED_SIZE, 22,
javax.swing.GroupLayout.PREFERRED_SIZE))
    .addGap(18, 18, 18)

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
)
    .addComponent(jLabel8)
    .addComponent(jLabel17, javax.swing.GroupLayout.PREFERRED_SIZE, 25,
javax.swing.GroupLayout.PREFERRED_SIZE))
    .addGap(18, 18, 18)

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
)
    .addComponent(jLabel11)
    .addComponent(jLabel19, javax.swing.GroupLayout.PREFERRED_SIZE, 22,
javax.swing.GroupLayout.PREFERRED_SIZE))
    .addGap(18, 18, 18)

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
)
    .addComponent(jLabel12)
    .addComponent(jLabel20, javax.swing.GroupLayout.PREFERRED_SIZE, 25,
javax.swing.GroupLayout.PREFERRED_SIZE))
    .addGap(18, 18, 18)

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
)
    .addComponent(jLabel22, javax.swing.GroupLayout.PREFERRED_SIZE, 25,
javax.swing.GroupLayout.PREFERRED_SIZE)
    .addComponent(jLabel21))
    .addGap(18, 18, 18)

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
)
    .addComponent(jLabel18, javax.swing.GroupLayout.PREFERRED_SIZE, 22,
javax.swing.GroupLayout.PREFERRED_SIZE)
    .addComponent(jLabel24, javax.swing.GroupLayout.PREFERRED_SIZE, 25,
javax.swing.GroupLayout.PREFERRED_SIZE)
```

```

        .addComponent(jLabel28))
        .addGap(18, 18, 18)

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
)
        .addComponent(jLabel25)
        .addComponent(jLabel26, javax.swing.GroupLayout.PREFERRED_SIZE, 25,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED, 10,
Short.MAX_VALUE)

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
)
        .addComponent(jButton3)
        .addComponent(jButton1)))
);

javax.swing.GroupLayout layout = new javax.swing.GroupLayout(getContentPane());
getContentPane().setLayout(layout);
layout.setHorizontalGroup(
    layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addGroup(layout.createSequentialGroup()
        .addContainerGap()

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)
        .addComponent(jPanel2, javax.swing.GroupLayout.PREFERRED_SIZE, 470,
Short.MAX_VALUE)
        .addComponent(jPanel1, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))
        .addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))
);
layout.setVerticalGroup(
    layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addGroup(layout.createSequentialGroup()
        .addContainerGap()
        .addComponent(jPanel1, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
        .addComponent(jPanel2, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
        .addContainerGap())
);
pack();
}// </editor-fold>

private void jButton1ActionPerformed(java.awt.event.ActionEvent evt) {
    connect cn = new connect();
    try {

```

```

Statement stmt = cn.conn();
String query2 = "select * from admin where admin_no='" + jLabel22.getText() +
""";
ResultSet rs = stmt.executeQuery(query2);
while (rs.next()) {
    adminno = Integer.parseInt(rs.getString("admin_no"));
    user = rs.getString("email");
    usertype = rs.getString("usertype");
    admindashboard ad = new admindashboard();

    ad.setVisible(true);
    ad.jl.setText(Integer.toString(adminno));
    ad.jlabel.setText(user);
    ad.jLabel6.setText(usertype);
    if (usertype.equals("user")) {
        ad.jButton4.setVisible(false);
    }
    SimpleDateFormat formatter = new SimpleDateFormat("dd-MM-yyyy");
    String formattedDate = formatter.format(new java.util.Date());
    ad.jLabel3.setText("DATE : " + formattedDate);
    dispose();
}
} catch (NumberFormatException | SQLException e) {
    System.out.println(e);
}
}

private void jButton3ActionPerformed(java.awt.event.ActionEvent evt) {
// TODO add your handling code here:
connect cn = new connect();
try {
    Statement stmt = cn.conn();
    String query1 = "select * from admin where admin_no='" + jLabel22.getText() +
""";
    ResultSet rs = stmt.executeQuery(query1);
    while (rs.next()) {
        adminno = Integer.parseInt(rs.getString("admin_no"));
        nme = rs.getString("name");
        phone = rs.getString("phone_no");
        father = rs.getString("father");
        adhaar = rs.getString("adhaar");
        address = rs.getString("address");
        pincode = rs.getString("pincode");
        ste = rs.getString("state");
        email = rs.getString("email");
        password = rs.getString("password");
        usertype = rs.getString("usertype");
        department = rs.getString("department");
        adminupdate up = new adminupdate();

```

```

        up.setVisible(true);
        up.jLabel24.setText(Integer.toString(adminno));
        up.JTextField1.setText(nme);
        up.JTextField2.setText(phone);
        up.JTextField3.setText(father);
        up.JTextField4.setText(adhaar);
        up.JTextField5.setText(address);
        up.JTextField6.setText(pincode);
        up.JTextField7.setText(ste);
        up.JTextField8.setText(email);
        up.jPasswordField1.setText(password);
        up.JTextField9.setText(usertype);
        up.JTextField10.setText(department);
        up.jLabel24.setText(Integer.toString(adminno));
        dispose();
    }

}

} catch (NumberFormatException | SQLException e) {
    System.out.println(e);
}

}

public static void main(String args[]) {
    try {
        for (javax.swing.UIManager.LookAndFeelInfo info :
javax.swing.UIManager.getInstalledLookAndFeels()) {
            if ("Nimbus".equals(info.getName())) {
                javax.swing.UIManager.setLookAndFeel(info.getClassName());
                break;
            }
        }
    } catch (ClassNotFoundException ex) {

java.util.logging.Logger.getLogger(admin_details.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
    } catch (InstantiationException ex) {

java.util.logging.Logger.getLogger(admin_details.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
    } catch (IllegalAccessException ex) {

java.util.logging.Logger.getLogger(admin_details.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
    } catch (javax.swing.UnsupportedLookAndFeelException ex) {

java.util.logging.Logger.getLogger(admin_details.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
}
}

```

```
//</editor-fold>

/* Create and display the form */
java.awt.EventQueue.invokeLater(new Runnable() {
    public void run() {
        new admin_details().setVisible(true);
    }
});

// Variables declaration - do not modify
private javax.swing.JButton jButton1;
private javax.swing.JButton jButton3;
private javax.swing.JLabel jLabel1;
public javax.swing.JLabel jLabel10;
private javax.swing.JLabel jLabel11;
private javax.swing.JLabel jLabel12;
public javax.swing.JLabel jLabel13;
public javax.swing.JLabel jLabel14;
public javax.swing.JLabel jLabel15;
public javax.swing.JLabel jLabel16;
public javax.swing.JLabel jLabel17;
private javax.swing.JLabel jLabel18;
public javax.swing.JLabel jLabel19;
private javax.swing.JLabel jLabel2;
public javax.swing.JLabel jLabel20;
private javax.swing.JLabel jLabel21;
public javax.swing.JLabel jLabel22;
public javax.swing.JLabel jLabel24;
private javax.swing.JLabel jLabel25;
public javax.swing.JLabel jLabel26;
private javax.swing.JLabel jLabel28;
private javax.swing.JLabel jLabel3;
private javax.swing.JLabel jLabel4;
private javax.swing.JLabel jLabel5;
private javax.swing.JLabel jLabel6;
private javax.swing.JLabel jLabel7;
private javax.swing.JLabel jLabel8;
public javax.swing.JLabel jLabel9;
private javax.swing.JPanel jPanel1;
private javax.swing.JPanel jPanel2;
// End of variables declaration
}
```

## UPDATE ADMIN DETAILS

```
package banking.admin;

import connection.connect;
import java.awt.HeadlessException;
import java.sql.Statement;
import java.sql.ResultSet;
import java.sql.SQLException;
import java.text.SimpleDateFormat;
import javax.swing.JOptionPane;

public class adminupdate extends javax.swing.JFrame {

    int adminno;
    String user;

    public adminupdate() {
        initComponents();
    }

    @SuppressWarnings("unchecked")
    // <editor-fold defaultstate="collapsed" desc="Generated Code">
    private void initComponents() {

        jPanel1 = new javax.swing.JPanel();
        jLabel1 = new javax.swing.JLabel();
        jPanel3 = new javax.swing.JPanel();
        jLabel9 = new javax.swing.JLabel();
        jLabel10 = new javax.swing.JLabel();
        jLabel13 = new javax.swing.JLabel();
        jLabel14 = new javax.swing.JLabel();
        jLabel15 = new javax.swing.JLabel();
        jLabel16 = new javax.swing.JLabel();
        jLabel17 = new javax.swing.JLabel();
        jLabel19 = new javax.swing.JLabel();
        jLabel20 = new javax.swing.JLabel();
        jLabel21 = new javax.swing.JLabel();
        jButton2 = new javax.swing.JButton();
        jButton3 = new javax.swing.JButton();
        jPanel4 = new javax.swing.JPanel();
        jLabel23 = new javax.swing.JLabel();
        jLabel24 = new javax.swing.JLabel();
        jTextField1 = new javax.swing.JTextField();
        jTextField2 = new javax.swing.JTextField();
        jTextField3 = new javax.swing.JTextField();
        jTextField4 = new javax.swing.JTextField();
        jTextField5 = new javax.swing.JTextField();
        jTextField6 = new javax.swing.JTextField();
```

```
jTextField7 = new javax.swing.JTextField();
jTextField8 = new javax.swing.JTextField();
jPasswordField1 = new javax.swing.JPasswordField();
jLabel22 = new javax.swing.JLabel();
jLabel25 = new javax.swing.JLabel();
jTextField9 = new javax.swing.JTextField();
jTextField10 = new javax.swing.JTextField();

setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);

jPanel1.setBackground(new java.awt.Color(153, 255, 153));

jLabel1.setFont(new java.awt.Font("Segoe UI", 3, 36)); // NOI18N
jLabel1.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);
jLabel1.setText("UPDATE ");

javax.swing.GroupLayout jPanel1Layout = new javax.swing.GroupLayout(jPanel1);
jPanel1.setLayout(jPanel1Layout);
jPanel1Layout.setHorizontalGroup(
    jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addGroup(jPanel1Layout.createSequentialGroup()
        .addGap(90, 90, 90)
        .addComponent(jLabel1, javax.swing.GroupLayout.PREFERRED_SIZE, 282, javax.swing.GroupLayout.PREFERRED_SIZE)
        .addGapContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))
);
jPanel1Layout.setVerticalGroup(
    jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addGroup(jPanel1Layout.createSequentialGroup()
        .addGap(20, 20, 20)
        .addComponent(jLabel1)
        .addGapContainerGap(22, Short.MAX_VALUE))
);
jPanel1Layout.setVerticalGroup(
    jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addGroup(jPanel1Layout.createSequentialGroup()
        .addGap(20, 20, 20)
        .addComponent(jLabel1)
        .addGapContainerGap(22, Short.MAX_VALUE))
);

jPanel3.setBackground(new java.awt.Color(255, 255, 255));

jLabel9.setText("NAME");

jLabel10.setText("PHONE NO");

jLabel13.setText("FATHER'S NAME");

jLabel14.setText("ADHAAR NO");

jLabel15.setText("ADDRESS");

jLabel16.setText("PIN CODE");

jLabel17.setText("STATE");
```

```

jLabel19.setText("EMAIL ADDRESS");

jLabel20.setText("PASSWORD");

jButton2.setText("back to home");
jButton2.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jButton2ActionPerformed(evt);
    }
});

jButton3.setText("SUBMIT");
jButton3.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jButton3ActionPerformed(evt);
    }
});

jPanel4.setBackground(new java.awt.Color(255, 153, 153));

jLabel23.setText("admin_no");

javax.swing.GroupLayout jPanel4Layout = new javax.swing.GroupLayout(jPanel4);
jPanel4.setLayout(jPanel4Layout);
jPanel4Layout.setHorizontalGroup(
    jPanel4Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addGroup(jPanel4Layout.createSequentialGroup()
        .addGap(41, 41, 41)
        .addComponent(jLabel23)
        .addGap(209, javax.swing.GroupLayout.PREFERRED_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
        .addGap(164, Short.MAX_VALUE))
);
jPanel4Layout.setVerticalGroup(
    jPanel4Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addGroup(jPanel4Layout.createSequentialGroup()
        .addGap(25, javax.swing.GroupLayout.PREFERRED_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
        .addGroup(jPanel4Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addComponent(jLabel23, javax.swing.GroupLayout.Alignment.TRAILING)
            .addComponent(jLabel24, javax.swing.GroupLayout.Alignment.TRAILING, javax.swing.GroupLayout.PREFERRED_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))
        .addGap(25, javax.swing.GroupLayout.PREFERRED_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)))
);

jLabel22.setText("USERTYPE");

```

```

jLabel25.setText("DEPARTMENT");

javax.swing.GroupLayout jPanel3Layout = new javax.swing.GroupLayout(jPanel3);
jPanel3.setLayout(jPanel3Layout);
jPanel3Layout.setHorizontalGroup(
    jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addGroup(jPanel3Layout.createSequentialGroup()
        .addGap(505, 505, 505)
        .addComponent(jLabel21, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))
    .addGroup(jPanel3Layout.createSequentialGroup()

.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
)
    .addGroup(jPanel3Layout.createSequentialGroup()
        .addComponent(jPanel4, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
        .addGroup(jPanel3Layout.createSequentialGroup()
            .addGap(23, 23, 23)

.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING
G, false)
    .addGroup(jPanel3Layout.createSequentialGroup()

.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
)
    .addComponent(jLabel22)
    .addComponent(jLabel25))

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)

.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING
, false)
    .addComponent(jTextField9,
javax.swing.GroupLayout.DEFAULT_SIZE, 300, Short.MAX_VALUE)
    .addComponent(jTextField10)))
    .addGroup(jPanel3Layout.createSequentialGroup()

.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING
)
    .addComponent(jLabel10)
    .addComponent(jLabel13)
    .addComponent(jLabel14)
    .addComponent(jLabel15)
    .addComponent(jLabel16)
    .addComponent(jLabel17)

```

```

        .addComponent(jLabel19)
        .addComponent(jLabel20)
        .addComponent(jLabel9))
    .addGap(33, 33, 33)

.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING
, false)
        .addComponent(jTextField1)
        .addComponent(jTextField2)
        .addComponent(jTextField3)
        .addComponent(jTextField4)
        .addComponent(jTextField5)
        .addComponent(jTextField6)
        .addComponent(jPasswordField1,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
        .addComponent(jTextField8)
        .addComponent(jTextField7))))))
    .addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))
.addGroup(jPanel3Layout.createSequentialGroup()
    .addGap(124, 124, 124)
    .addComponent(jButton3)
    .addGap(58, 58, 58)
    .addComponent(jButton2)
    .addGap(0, 0, Short.MAX_VALUE)))
);

jPanel3Layout.setVerticalGroup(
    jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addGroup(jPanel3Layout.createSequentialGroup()
        .addContainerGap()
        .addComponent(jPanel4, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
        .addGap(19, 19, 19)

    .addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING
)
        .addComponent(jLabel9)
        .addComponent(jTextField1, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))
        .addGap(17, 17, 17)

    .addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
        .addComponent(jLabel10)
        .addComponent(jTextField2, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))
        .addGap(18, 18, 18)

    .addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

```



```

        .addGap(24, 24, 24)
        .addComponent(jLabel21, javax.swing.GroupLayout.PREFERRED_SIZE, 22,
javax.swing.GroupLayout.PREFERRED_SIZE))
        .addGroup(jPanel3Layout.createSequentialGroup()
        .addGap(18, 18, 18)

.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
        .addComponent(jLabel22)
        .addComponent(jTextField9,
javax.swing.GroupLayout.PREFERRED_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE))
        .addGap(21, 21, 21)

.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
        .addComponent(jLabel25)
        .addComponent(jTextField10,
javax.swing.GroupLayout.PREFERRED_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)))
        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)

.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
        .addComponent(jButton3)
        .addComponent(jButton2))
        .addContainerGap())
);

javax.swing.GroupLayout layout = new javax.swing.GroupLayout(getContentPane());
getContentPane().setLayout(layout);
layout.setHorizontalGroup(
    layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addGroup(layout.createSequentialGroup()
        .addContainerGap()

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)
        .addComponent(jPanel1, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
        .addComponent(jPanel3, javax.swing.GroupLayout.PREFERRED_SIZE, 470,
Short.MAX_VALUE))
        .addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))
);
layout.setVerticalGroup(
    layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addGroup(layout.createSequentialGroup()
        .addContainerGap()

```

```

        .addComponent(jPanel1, javax.swing.GroupLayout.PREFERRED_SIZE,
        javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
            .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
            .addComponent(jPanel3, javax.swing.GroupLayout.DEFAULT_SIZE,
        javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
            .addContainerGap())
    );

    pack();
}// </editor-fold>

private void jButton2ActionPerformed(java.awt.event.ActionEvent evt) {
    try {

        admindashboard home = new admindashboard();
        home.setVisible(true);
        home.jl.setText(jLabel22.getText());
        home.jlabel.setText(jLabel19.getText());
        home.jLabel6.setText(jLabel24.getText());
        SimpleDateFormat formatter = new SimpleDateFormat("dd-MM-yyyy");
        String formattedDate = formatter.format(new java.util.Date());
        home.jLabel3.setText("DATE : " + formattedDate);
        dispose();

    } catch (NumberFormatException e) {
        System.out.println(e);
    }
}

private void jButton3ActionPerformed(java.awt.event.ActionEvent evt) {
// TODO add your handling code here:
connect cn = new connect();
try {

    String name = jTextField1.getText();
    String phone = jTextField2.getText();
    String Father = jTextField3.getText();
    String adhaar = jTextField4.getText();
    String address = jTextField5.getText();
    String pincode = jTextField6.getText();
    String state = jTextField7.getText();
    String email = jTextField8.getText();
    String password = jPasswordField1.getText();
    String usertype = jTextField9.getText();
    String department = jTextField10.getText();
    if (phone.length() != 10) {
        JOptionPane.showMessageDialog(this, "phone number should be of 10 digits",
        "Woops", JOptionPane.ERROR_MESSAGE);
    } else if (adhaar.length() != 12) {

```

```

        JOptionPane.showMessageDialog(this, "adhaar number should be of 12 digits",
    "Woops", JOptionPane.ERROR_MESSAGE);
    } else if (pincode.length() < 6) {
        JOptionPane.showMessageDialog(this, "Pincode should be 6 digits long",
    "Woops", JOptionPane.ERROR_MESSAGE);
    } else if (password.length() < 8) {
        JOptionPane.showMessageDialog(this, "Password should be minimum 8
characters long", "Woops", JOptionPane.ERROR_MESSAGE);
    }
    Statement stmt = cn.conn();
    String query1 = "UPDATE admin set name=\"" + name + "\",phone_no=\"" + phone +
    "\",father=\"" + Father + "\",adhaar=\"" + adhaar + "\",address=\"" + address + "\",pincode=\"" +
    pincode + "\",state=\"" + state + "\",email=\"" + email + "\",password=\"" + password +
    "\",usertype=\"" + usertype + "\",department=\"" + department + "\" where admin_no=\"" +
    jLabel24.getText() + "\"";
    stmt.executeUpdate(query1);

    JOptionPane.showMessageDialog(this, "updated succesfully");

    String query2 = "select * from admin where admin_no=\"" + jLabel24.getText() + +
    "\"";
    ResultSet rs = stmt.executeQuery(query2);

    while (rs.next()) {
        adminno = Integer.parseInt(rs.getString("admin_no"));
        admin_details ud = new admin_details();
        ud.setVisible(true);
        ud.jLabel22.setText(Integer.toString(adminno));
        ud.jLabel9.setText(name);
        ud.jLabel10.setText(phone);
        ud.jLabel13.setText(Father);
        ud.jLabel14.setText(adhaar);
        ud.jLabel15.setText(address);
        ud.jLabel16.setText(pincode);
        ud.jLabel17.setText(state);
        ud.jLabel19.setText(email);
        ud.jLabel20.setText(password);
        ud.jLabel24.setText(usertype);
        ud.jLabel26.setText(department);
        dispose();
    }
} catch (HeadlessException | NumberFormatException | SQLException e) {
    System.out.println(e);
}
}

/**
 * @param args the command line arguments
 */

```

```

public static void main(String args[]) {
    /* Set the Nimbus look and feel */
    // <editor-fold defaultstate="collapsed" desc=" Look and feel setting code (optional)
    ">
        /* If Nimbus (introduced in Java SE 6) is not available, stay with the default look and
        feel.
           * For details see
        http://download.oracle.com/javase/tutorial/uiswing/lookandfeel/plaf.html
           */
    try {
        for (javax.swing.UIManager.LookAndFeelInfo info :
    javax.swing.UIManager.getInstalledLookAndFeels()) {
            if ("Nimbus".equals(info.getName())) {
                javax.swing.UIManager.setLookAndFeel(info.getClassName());
                break;
            }
        }
    } catch (ClassNotFoundException ex) {

        java.util.logging.Logger.getLogger(adminupdate.class.getName()).log(java.util.logging.Level
        .SEVERE, null, ex);
    } catch (InstantiationException ex) {

        java.util.logging.Logger.getLogger(adminupdate.class.getName()).log(java.util.logging.Level
        .SEVERE, null, ex);
    } catch (IllegalAccessException ex) {

        java.util.logging.Logger.getLogger(adminupdate.class.getName()).log(java.util.logging.Level
        .SEVERE, null, ex);
    } catch (javax.swing.UnsupportedLookAndFeelException ex) {

        java.util.logging.Logger.getLogger(adminupdate.class.getName()).log(java.util.logging.Level
        .SEVERE, null, ex);
    }
    // </editor-fold>

    /* Create and display the form */
    java.awt.EventQueue.invokeLater(new Runnable() {
        public void run() {
            new adminupdate().setVisible(true);
        }
    });
}

// Variables declaration - do not modify
private javax.swing.JButton jButton1;
private javax.swing.JButton jButton2;
private javax.swing.JButton jButton3;
private javax.swing.JLabel jLabel1;

```

```
private javax.swing.JLabel jLabel10;
private javax.swing.JLabel jLabel11;
private javax.swing.JLabel jLabel12;
private javax.swing.JLabel jLabel13;
private javax.swing.JLabel jLabel14;
private javax.swing.JLabel jLabel15;
private javax.swing.JLabel jLabel16;
private javax.swing.JLabel jLabel17;
private javax.swing.JLabel jLabel18;
private javax.swing.JLabel jLabel19;
private javax.swing.JLabel jLabel2;
private javax.swing.JLabel jLabel20;
private javax.swing.JLabel jLabel21;
private javax.swing.JLabel jLabel22;
private javax.swing.JLabel jLabel23;
public javax.swing.JLabel jLabel24;
private javax.swing.JLabel jLabel25;
private javax.swing.JLabel jLabel3;
private javax.swing.JLabel jLabel4;
private javax.swing.JLabel jLabel5;
private javax.swing.JLabel jLabel6;
private javax.swing.JLabel jLabel7;
private javax.swing.JLabel jLabel8;
private javax.swing.JLabel jLabel9;
private javax.swing.JPanel jPanel1;
private javax.swing.JPanel jPanel2;
private javax.swing.JPanel jPanel3;
private javax.swing.JPanel jPanel4;
public javax.swing.JPasswordField jPasswordField1;
public javax.swing.JTextField jTextField1;
public javax.swing.JTextField jTextField10;
public javax.swing.JTextField jTextField2;
public javax.swing.JTextField jTextField3;
public javax.swing.JTextField jTextField4;
public javax.swing.JTextField jTextField5;
public javax.swing.JTextField jTextField6;
public javax.swing.JTextField jTextField7;
public javax.swing.JTextField jTextField8;
public javax.swing.JTextField jTextField9;
// End of variables declaration
}
```

## ADMIN DATA

```
package banking.admin;

import connection.connect;
import java.sql.ResultSet;
import java.sql.SQLException;
import java.sql.Statement;
import java.text.SimpleDateFormat;
import javax.swing.JOptionPane;
import javax.swing.table.DefaultTableModel;

public class adminData extends javax.swing.JFrame {

    int adminno;
    String user, usertype;
    public adminData() {
        initComponents();
    }

    @SuppressWarnings("unchecked")
    // <editor-fold defaultstate="collapsed" desc="Generated Code">
    private void initComponents() {

        jPanel1 = new javax.swing.JPanel();
        jLabel1 = new javax.swing.JLabel();
        jLabel2 = new javax.swing.JLabel();
        jLabel3 = new javax.swing.JLabel();
        jLabel4 = new javax.swing.JLabel();
        jLabel5 = new javax.swing.JLabel();
        jPanel2 = new javax.swing.JPanel();
        jScrollPane1 = new javax.swing.JScrollPane();
        jTable1 = new javax.swing.JTable();
        jButton2 = new javax.swing.JButton();
        jButton3 = new javax.swing.JButton();

        setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);

        jPanel1.setBackground(new java.awt.Color(0, 102, 102));

        jLabel1.setFont(new java.awt.Font("Segoe UI", 0, 48)); // NOI18N
        jLabel1.setForeground(new java.awt.Color(255, 255, 255));
        jLabel1.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);
        jLabel1.setText("USER DATA");

        jLabel2.setForeground(new java.awt.Color(255, 255, 255));
        jLabel2.setText("username");

        jLabel3.setForeground(new java.awt.Color(255, 255, 255));

        javax.swing.GroupLayout jPanel1Layout = new javax.swing.GroupLayout(jPanel1);
        jPanel1.setLayout(jPanel1Layout);
        jPanel1Layout.setHorizontalGroup(
            jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(jPanel1Layout.createSequentialGroup()
                .addContainerGap()
                .addComponent(jLabel1, javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
                .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
                .addComponent(jLabel2, javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
                .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
                .addComponent(jLabel3, javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
                .addContainerGap())
        );
        jPanel1Layout.setVerticalGroup(
            jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(jPanel1Layout.createSequentialGroup()
                .addContainerGap()
                .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
                    .addComponent(jLabel1, javax.swing.GroupLayout.PREFERRED_SIZE, 48, javax.swing.GroupLayout.PREFERRED_SIZE)
                    .addComponent(jLabel2, javax.swing.GroupLayout.PREFERRED_SIZE, 25, javax.swing.GroupLayout.PREFERRED_SIZE)
                    .addComponent(jLabel3, javax.swing.GroupLayout.PREFERRED_SIZE, 25, javax.swing.GroupLayout.PREFERRED_SIZE))
                .addContainerGap())
        );

        jScrollPane1.setViewportView(jTable1);

        jButton2.setText("jButton2");

        jButton3.setText("jButton3");

        javax.swing.GroupLayout jPanel2Layout = new javax.swing.GroupLayout(jPanel2);
        jPanel2.setLayout(jPanel2Layout);
        jPanel2Layout.setHorizontalGroup(
            jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(jPanel2Layout.createSequentialGroup()
                .addContainerGap()
                .addComponent(jScrollPane1, javax.swing.GroupLayout.DEFAULT_SIZE, 450, Short.MAX_VALUE)
                .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
                .addComponent(jButton2, javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
                .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
                .addComponent(jButton3, javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
                .addContainerGap())
        );
        jPanel2Layout.setVerticalGroup(
            jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(jPanel2Layout.createSequentialGroup()
                .addContainerGap()
                .addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                    .addComponent(jScrollPane1, javax.swing.GroupLayout.DEFAULT_SIZE, 450, Short.MAX_VALUE)
                    .addComponent(jButton2, javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
                    .addComponent(jButton3, javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)))
                .addContainerGap())
        );

        javax.swing.GroupLayout layout = new javax.swing.GroupLayout(getContentPane());
        getContentPane().setLayout(layout);
        layout.setHorizontalGroup(
            layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(layout.createSequentialGroup()
                .addContainerGap()
                .addComponent(jPanel1, javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
                .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
                .addComponent(jPanel2, javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
                .addContainerGap())
        );
        layout.setVerticalGroup(
            layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(layout.createSequentialGroup()
                .addContainerGap()
                .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                    .addComponent(jPanel1, javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
                    .addComponent(jPanel2, javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)))
                .addContainerGap())
        );

        pack();
    }// 

    // Variables declaration - do not modify//GEN-BEGIN:variables
    private javax.swing.JButton jButton2;
    private javax.swing.JButton jButton3;
    private javax.swing.JLabel jLabel1;
    private javax.swing.JLabel jLabel2;
    private javax.swing.JLabel jLabel3;
    private javax.swing.JLabel jLabel4;
    private javax.swing.JLabel jLabel5;
    private javax.swing.JPanel jPanel1;
    private javax.swing.JPanel jPanel2;
    private javax.swing.JScrollPane jScrollPane1;
    private javax.swing.JTable jTable1;
    // End of variables declaration//GEN-END:variables
}
```

```
jLabel3.setText("Admin number");

jLabel4.setForeground(new java.awt.Color(255, 255, 255));

jLabel5.setForeground(new java.awt.Color(255, 255, 255));

javax.swing.GroupLayout jPanel1Layout = new javax.swing.GroupLayout(jPanel1);
jPanel1.setLayout(jPanel1Layout);
jPanel1Layout.setHorizontalGroup(
    jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
jPanel1Layout.createSequentialGroup()
    .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
        .addComponent(jLabel2)
        .addComponent(jLabel4, javax.swing.GroupLayout.PREFERRED_SIZE, 336,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addComponent(jLabel3))
    .addGroup(jPanel1Layout.createSequentialGroup()
        .addGap(18, 18, 18)
        .addComponent(jLabel5, javax.swing.GroupLayout.PREFERRED_SIZE, 294,
javax.swing.GroupLayout.PREFERRED_SIZE))
    .addGap(21, 21, 21))
);
jPanel1Layout.setVerticalGroup(
    jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addGroup(jPanel1Layout.createSequentialGroup()
        .addGap(14, 14, 14)
        .addComponent(jLabel1)
        .addGap(18, 18, 18))
    .addGroup(jPanel1Layout.createSequentialGroup()
        .addGap(24, 24, 24)
        .addComponent(jLabel2)
        .addComponent(jLabel3)
        .addComponent(jLabel4, javax.swing.GroupLayout.PREFERRED_SIZE, 24,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addComponent(jLabel5, javax.swing.GroupLayout.PREFERRED_SIZE, 24,
javax.swing.GroupLayout.PREFERRED_SIZE))
    .addGap(29, Short.MAX_VALUE))
);
```

```

);

jPanel2.setBackground(new java.awt.Color(255, 255, 255));

jTable1.setModel(new javax.swing.table.DefaultTableModel(
    new Object [][] {

        },
    new String [] {
        "ACC NO", "NAME", "PHONE", "FATHER", "ADDRESS", "ADHAAR", "PINCODE",
    "STATE", "EMAIL", "BALANCE"
    }
) {
    boolean[] canEdit = new boolean [] {
        false, false, false, false, false, false, false, false, false
    };

    public boolean isCellEditable(int rowIndex, int columnIndex) {
        return canEdit [columnIndex];
    }
});
jScrollPane1.setViewportView(jTable1);

jButton2.setText("DELETE");
jButton2.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jButton2ActionPerformed(evt);
    }
});
jButton3.setText("back to home");
jButton3.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jButton3ActionPerformed(evt);
    }
});

javax.swing.GroupLayout jPanel2Layout = new javax.swing.GroupLayout(jPanel2);
jPanel2.setLayout(jPanel2Layout);
jPanel2Layout.setHorizontalGroup(
    jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addGroup(jPanel2Layout.createSequentialGroup()
        .addGap(300, 300, 300)
        .addComponent(jScrollPane1, javax.swing.GroupLayout.DEFAULT_SIZE, 892, Short.MAX_VALUE)
        .addGap(300, 300, 300)
        .addComponent(jButton2)
    )
);

```

```

        .addGap(101, 101, 101)
        .addComponent(jButton3)
        .addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))
    );
    jPanel2Layout.setVerticalGroup(
        jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel2Layout.createSequentialGroup()
            .addContainerGap()
            .addComponent(jScrollPane1, javax.swing.GroupLayout.PREFERRED_SIZE, 345,
javax.swing.GroupLayout.PREFERRED_SIZE)
            .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

        .addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
            .addComponent(jButton2)
            .addComponent(jButton3))
        .addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))
    );

    javax.swing.GroupLayout layout = new javax.swing.GroupLayout(getContentPane());
    getContentPane().setLayout(layout);
    layout.setHorizontalGroup(
        layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addComponent(jPanel1, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
        .addComponent(jPanel2, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
    );
    layout.setVerticalGroup(
        layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(layout.createSequentialGroup()
            .addComponent(jPanel1, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
            .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
            .addComponent(jPanel2, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))
    );
}

pack();
}// </editor-fold>

private void jButton3ActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
    connect cn = new connect();
    try {
        Statement stmt = cn.conn();
        String query1 = "select * from admin where admin_no='" + jLabel5.getText() + "'";
        ResultSet rs = stmt.executeQuery(query1);

```

```

        while (rs.next()) {
            adminno = Integer.parseInt(rs.getString("admin_no"));
            user = rs.getString("email");
            usertype = rs.getString("usertype");
            admindashboard ad = new admindashboard();
            ad.setVisible(true);
            ad.jLabel.setText(user);
            ad.jLabel6.setText(usertype);
            ad.jl.setText(Integer.toString(adminno));
            if (usertype.equals("user")) {
                ad.jButton4.setVisible(false);
            }
        }

        SimpleDateFormat formatter = new SimpleDateFormat("dd-MM-yyyy");
        String formattedDate = formatter.format(new java.util.Date());
        ad.jLabel3.setText("DATE : " + formattedDate);
        dispose();
    }
} catch (Exception e) {
    System.out.println(e);
}
}

private void jButton2ActionPerformed(java.awt.event.ActionEvent evt) {
    String val = null;
    DefaultTableModel model = (DefaultTableModel) jTable1.getModel();
    int val1 = jTable1.getSelectedRow();
    if (val1 != 0) {
        val = (String) jTable1.getValueAt(val1, 0);
    }
    model.removeRow(jTable1.getSelectedRow());
    connect cn = new connect();
    try {
        Statement stmt = cn.conn();

        String query1 = "delete from admin where admin_no=" + val + "";
        stmt.executeUpdate(query1);
        String query2 = "delete from dashboard where Account_no=" + val + "";
        stmt.executeUpdate(query2);

    } catch (SQLException e) {
        System.out.println(e);
    }
}

public static void main(String args[]) {

```

```

try {
    for (javax.swing.UIManager.LookAndFeelInfo info :
javax.swing.UIManager.getInstalledLookAndFeels()) {
        if ("Nimbus".equals(info.getName())) {
            javax.swing.UIManager.setLookAndFeel(info.getClassName());
            break;
        }
    }
} catch (ClassNotFoundException ex) {

java.util.logging.Logger.getLogger(adminData.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
} catch (InstantiationException ex) {

java.util.logging.Logger.getLogger(adminData.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
} catch (IllegalAccessException ex) {

java.util.logging.Logger.getLogger(adminData.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
} catch (javax.swing.UnsupportedLookAndFeelException ex) {

java.util.logging.Logger.getLogger(adminData.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
}

//</editor-fold>

/* Create and display the form */
java.awt.EventQueue.invokeLater(new Runnable() {
    public void run() {
        new adminData().setVisible(true);
    }
});
}

// Variables declaration - do not modify
public javax.swing.JButton jButton2;
private javax.swing.JButton jButton3;
private javax.swing.JLabel jLabel1;
private javax.swing.JLabel jLabel2;
private javax.swing.JLabel jLabel3;
public javax.swing.JLabel jLabel4;
public javax.swing.JLabel jLabel5;
private javax.swing.JPanel jPanel1;
public javax.swing.JPanel jPanel2;
private javax.swing.JScrollPane jScrollPane1;
public javax.swing.JTable jTable1;
// End of variables declaration
}

```

## SALARY

```
package banking.admin;

import connection.connect;
import java.awt.HeadlessException;
import java.sql.Statement;
import java.sql.ResultSet;
import java.sql.SQLException;
import java.text.SimpleDateFormat;
import javax.swing.JOptionPane;

public class salary extends javax.swing.JFrame {

    int accn, currentValue, currentValue1;
    String user;

    public salary() {
        initComponents();
    }

    @SuppressWarnings("unchecked")
    // <editor-fold defaultstate="collapsed" desc="Generated Code">
    private void initComponents() {

        jPanel2 = new javax.swing.JPanel();
        jLabel2 = new javax.swing.JLabel();
        jLabel3 = new javax.swing.JLabel();
        jLabel4 = new javax.swing.JLabel();
        jLabel5 = new javax.swing.JLabel();
        jLabel6 = new javax.swing.JLabel();
        jLabel7 = new javax.swing.JLabel();
        jLabel8 = new javax.swing.JLabel();
        jButton1 = new javax.swing.JButton();
        jButton2 = new javax.swing.JButton();
        jTextField1 = new javax.swing.JTextField();
        jTextField2 = new javax.swing.JTextField();
        jTextField3 = new javax.swing.JTextField();
        jLabel9 = new javax.swing.JLabel();
        jLabel10 = new javax.swing.JLabel();
        jLabel11 = new javax.swing.JLabel();
        jPanel1 = new javax.swing.JPanel();
        jLabel1 = new javax.swing.JLabel();

        setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);

        jPanel2.setBackground(new java.awt.Color(255, 255, 255));
        jPanel2.setLayout(null);

        jLabel2.setText("Username");
        jPanel2.add(jLabel2);
        jLabel2.setBounds(100, 100, 150, 120);

        jLabel3.setText("Password");
        jPanel2.add(jLabel3);
        jLabel3.setBounds(100, 150, 150, 120);

        jLabel4.setText("Name");
        jPanel2.add(jLabel4);
        jLabel4.setBounds(100, 200, 150, 120);

        jLabel5.setText("Address");
        jPanel2.add(jLabel5);
        jLabel5.setBounds(100, 250, 150, 120);

        jLabel6.setText("City");
        jPanel2.add(jLabel6);
        jLabel6.setBounds(100, 300, 150, 120);

        jLabel7.setText("State");
        jPanel2.add(jLabel7);
        jLabel7.setBounds(100, 350, 150, 120);

        jLabel8.setText("Pincode");
        jPanel2.add(jLabel8);
        jLabel8.setBounds(100, 400, 150, 120);

        jButton1.setText("Submit");
        jPanel2.add(jButton1);
        jButton1.setBounds(100, 450, 150, 50);

        jButton2.setText("Cancel");
        jPanel2.add(jButton2);
        jButton2.setBounds(100, 500, 150, 50);

        jTextField1.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                jTextField1ActionPerformed(evt);
            }
        });

        jTextField2.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                jTextField2ActionPerformed(evt);
            }
        });

        jTextField3.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                jTextField3ActionPerformed(evt);
            }
        });

        jLabel9.setText("Name");
        jPanel2.add(jLabel9);
        jLabel9.setBounds(100, 550, 150, 120);

        jLabel10.setText("Address");
        jPanel2.add(jLabel10);
        jLabel10.setBounds(100, 600, 150, 120);

        jLabel11.setText("City");
        jPanel2.add(jLabel11);
        jLabel11.setBounds(100, 650, 150, 120);

        jPanel1.setLayout(null);

        jLabel1.setText("Salary Statement");
        jPanel1.add(jLabel1);
        jLabel1.setBounds(100, 100, 150, 120);

        javax.swing.GroupLayout layout = new javax.swing.GroupLayout(getContentPane());
        getContentPane().setLayout(layout);
        layout.setHorizontalGroup(
            layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addComponent(jPanel1, javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
            .addComponent(jPanel2, javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
        );
        layout.setVerticalGroup(
            layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addComponent(jPanel1, javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
            .addComponent(jPanel2, javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
        );

        pack();
    }

    private void jTextField1ActionPerformed(java.awt.event.ActionEvent evt) {
        // TODO add your handling code here:
    }

    private void jTextField2ActionPerformed(java.awt.event.ActionEvent evt) {
        // TODO add your handling code here:
    }

    private void jTextField3ActionPerformed(java.awt.event.ActionEvent evt) {
        // TODO add your handling code here:
    }

    // Variables declaration - do not modify
    private javax.swing.JButton jButton1;
    private javax.swing.JButton jButton2;
    private javax.swing.JLabel jLabel1;
    private javax.swing.JLabel jLabel10;
    private javax.swing.JLabel jLabel11;
    private javax.swing.JLabel jLabel2;
    private javax.swing.JLabel jLabel3;
    private javax.swing.JLabel jLabel4;
    private javax.swing.JLabel jLabel5;
    private javax.swing.JLabel jLabel6;
    private javax.swing.JLabel jLabel7;
    private javax.swing.JLabel jLabel8;
    private javax.swing.JPanel jPanel1;
    private javax.swing.JPanel jPanel2;
    private javax.swing.JTextField jTextField1;
    private javax.swing.JTextField jTextField2;
    private javax.swing.JTextField jTextField3;
    // End of variables declaration
}
```

```
jLabel3.setText("Admin no");

jLabel4.setFont(new java.awt.Font("Segoe UI", 1, 18)); // NOI18N
jLabel4.setText("TRANSFER TO");

jLabel5.setText("Admin no");

jLabel6.setText("Name");

jLabel7.setText("Date");

jLabel8.setText("Amount");

jButton1.setText("TRANSFER");
jButton1.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jButton1ActionPerformed(evt);
    }
});

jButton2.setText("EXIT");
jButton2.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jButton2ActionPerformed(evt);
    }
});

javax.swing.GroupLayout jPanel2Layout = new javax.swing.GroupLayout(jPanel2);
jPanel2.setLayout(jPanel2Layout);
jPanel2Layout.setHorizontalGroup(
    jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addGroup(jPanel2Layout.createSequentialGroup()
        .addGap(99, 99, 99)
        .addComponent(jButton1)
        .addGap(51, 51, 51)
        .addComponent(jButton2))
    .addGroup(jPanel2Layout.createSequentialGroup()
        .addGap(32, 32, 32)
        .addGap(99, 99, 99)
        .addComponent(jLabel6)
        .addComponent(jLabel5)
        .addComponent(jLabel3))
    .addGroup(jPanel2Layout.createSequentialGroup()
        .addGap(99, 99, 99)
        .addComponent(jButton2)
        .addGap(51, 51, 51)
        .addComponent(jButton1))
    .addGroup(jPanel2Layout.createSequentialGroup()
        .addGap(32, 32, 32)
        .addGap(99, 99, 99)
        .addComponent(jLabel3)
        .addComponent(jLabel5)
        .addComponent(jLabel6)))
);

jPanel2Layout.setHorizontalGroup(
    jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addGroup(jPanel2Layout.createSequentialGroup()
        .addGap(99, 99, 99)
        .addComponent(jButton1)
        .addGap(51, 51, 51)
        .addComponent(jButton2))
    .addGroup(jPanel2Layout.createSequentialGroup()
        .addGap(32, 32, 32)
        .addGap(99, 99, 99)
        .addComponent(jLabel6)
        .addComponent(jLabel5)
        .addComponent(jLabel3))
    .addGroup(jPanel2Layout.createSequentialGroup()
        .addGap(99, 99, 99)
        .addComponent(jButton2)
        .addGap(51, 51, 51)
        .addComponent(jButton1))
    .addGroup(jPanel2Layout.createSequentialGroup()
        .addGap(32, 32, 32)
        .addGap(99, 99, 99)
        .addComponent(jLabel3)
        .addComponent(jLabel5)
        .addComponent(jLabel6)))
);
});
```

```

.addComponent(jLabel2)
.addComponent(jLabel7)
.addComponent(jLabel8))

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING
, false)
.addGroup(jPanel2Layout.createSequentialGroup()
.addGap(18, 18, 18)

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING
)
.addComponent(jLabel10,
javax.swing.GroupLayout.Alignment.TRAILING, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
.addComponent(jLabel9, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)))
.addGroup(jPanel2Layout.createSequentialGroup()
.addGap(34, 34, 34)

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING
, false)
.addComponent(jTextField1,
javax.swing.GroupLayout.DEFAULT_SIZE, 217, Short.MAX_VALUE)
.addComponent(jTextField2)
.addComponent(jTextField3)
.addComponent(jLabel11,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE))))))
.addContainerGap(64, Short.MAX_VALUE))
.addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
jPanel2Layout.createSequentialGroup()
.addGap(0, 0, Short.MAX_VALUE)
.addComponent(jLabel4)
.addGap(137, 137, 137))
);

jPanel2Layout.setVerticalGroup(
jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
.addGroup(jPanel2Layout.createSequentialGroup()
.addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING
, false)
.addComponent(jLabel2)
.addComponent(jLabel9, javax.swing.GroupLayout.DEFAULT_SIZE, 22,
Short.MAX_VALUE))
.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

```

```

        .addComponent(jLabel3)
        .addComponent(jLabel10, javax.swing.GroupLayout.PREFERRED_SIZE, 24,
javax.swing.GroupLayout.PREFERRED_SIZE))
        .addGap(29, 29, 29)
        .addComponent(jLabel4)
        .addGap(18, 18, 18)

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
{
    .addComponent(jLabel5)
    .addComponent(jTextField1, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))
    .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
{
    .addComponent(jLabel6)
    .addComponent(jTextField2, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))
    .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
{
    .addComponent(jLabel8)
    .addComponent(jTextField3, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))
    .addGap(18, 18, 18)

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
{
    .addComponent(jLabel7)
    .addComponent(jLabel11, javax.swing.GroupLayout.PREFERRED_SIZE, 24,
javax.swing.GroupLayout.PREFERRED_SIZE))
    .addGap(45, 45, 45)

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
{
    .addComponent(jButton1)
    .addComponent(jButton2)))
};

jPanel1.setBackground(new java.awt.Color(255, 204, 255));

jLabel1.setFont(new java.awt.Font("Segoe UI", 3, 36)); // NOI18N
jLabel1.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);
jLabel1.setText("TRANSFER");
jLabel1.setHorizontalTextPosition(javax.swing.SwingConstants.CENTER);

javax.swing.GroupLayout jPanel1Layout = new javax.swing.GroupLayout(jPanel1);

```

```

jPanel1.setLayout(jPanel1Layout);
jPanel1Layout.setHorizontalGroup(
    jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addGroup(jPanel1Layout.createSequentialGroup()
        .addGap(109, 109, 109)
        .addComponent(jLabel1)
        .addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))
);
jPanel1Layout.setVerticalGroup(
    jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addGroup(jPanel1Layout.createSequentialGroup()
        .addGap(21, 21, 21)
        .addComponent(jLabel1)
        .addContainerGap(13, Short.MAX_VALUE))
);
javax.swing.GroupLayout layout = new javax.swing.GroupLayout(getContentPane());
getContentPane().setLayout(layout);
layout.setHorizontalGroup(
    layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addComponent(jPanel1, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
    .addComponent(jPanel2, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
);
layout.setVerticalGroup(
    layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addGroup(layout.createSequentialGroup()
        .addComponent(jPanel1, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
        .addComponent(jPanel2, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
        .addContainerGap())
);
pack();
}// </editor-fold>

private void jButton1ActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
    connect cn = new connect();
    admindashboard ad = new admindashboard();
    try {
        String admin_no = jTextField1.getText();
        String name = jTextField2.getText();
        int amount = Integer.parseInt(jTextField3.getText());
        Statement stmt = cn.conn();
        String query = "select * from admin where admin_no='" + jLabel10.getText() + "'";

```

```

ResultSet rs = stmt.executeQuery(query);
while (rs.next()) {
    if (jTextField1.getText().equals(" ")) {
        JOptionPane.showMessageDialog(this, "please enter the details");
    } else {
        int result = JOptionPane.showConfirmDialog(this, "Are you sure to transfer
Rs. " + amount + "?", "warning", JOptionPane.YES_NO_OPTION,
JOptionPane.QUESTION_MESSAGE);
        switch (result) {
            case JOptionPane.YES_OPTION -> {
                currentValue = rs.getInt("balance");
                int newValue = currentValue - amount;
                stmt.executeUpdate("UPDATE admin SET balance = '" + newValue + "'"
WHERE admin_no = '" + jLabel10.getText() + "'");
                String query1 = "select * from admin where admin_no='"
+ admin_no +
""";
                ResultSet rs1 = stmt.executeQuery(query1);
                while (rs1.next()) {
                    currentValue1 = rs1.getInt("balance");
                    int newValue1 = currentValue1 + amount;

                    stmt.executeUpdate("UPDATE admin SET balance = '" + newValue1 + "'"
WHERE admin_no = '" + admin_no + "'");
                    String query4 = "INSERT INTO
administory(admin_no,date,to_admin_no,amount,type)VALUES ('"
+ jLabel10.getText() +
"', '" + jLabel11.getText() + "', '" + jTextField1.getText() + "','" + jTextField3.getText() +
"','" + jLabel1.getText() + ")";
                    stmt.executeUpdate(query4);
                    JOptionPane.showMessageDialog(this, "transferred successfully");
                    ad.setVisible(true);
                    ad.jl.setText(jLabel10.getText());
                    ad.jlabel.setText(jLabel9.getText());
                    dispose();
                }
            }
            case JOptionPane.NO_OPTION -> {
                ad.setVisible(true);
                ad.jl.setText(jLabel10.getText());
                ad.jlabel.setText(jLabel9.getText());
                SimpleDateFormat formatter = new SimpleDateFormat("dd-MM-yyyy");
                String formattedDate = formatter.format(new java.util.Date());
                ad.jLabel3.setText("DATE : " + formattedDate);
                dispose();
            }
        }
    }
}

```

```

        }
    } catch (HeadlessException | NumberFormatException | SQLException e) {
        System.out.println(e);
    }

}

private void jButton2ActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
    connect cn = new connect();
    try {
        Statement stmt = cn.conn();
        String query1 = "select * from admin where admin_no='" + jLabel10.getText() + "'"
&& email="" + jLabel9.getText() + "'";
        ResultSet rs = stmt.executeQuery(query1);

        while (rs.next()) {
            accn = Integer.parseInt(rs.getString("admin_no"));
            user = rs.getString("email");
            admindashboard ad = new admindashboard();
            ad.setVisible(true);
            ad.jl.setText(Integer.toString(accn));
            ad.jlabel.setText(user);
            SimpleDateFormat formatter = new SimpleDateFormat("dd-MM-yyyy");
            String formattedDate = formatter.format(new java.util.Date());
            ad.jLabel3.setText("DATE : " + formattedDate);
            dispose();
        }
    } catch (Exception e) {
        System.out.println(e);
    }
}

/**
 * @param args the command line arguments
 */
public static void main(String args[]) {
    /* Set the Nimbus look and feel */
    // <editor-fold defaultstate="collapsed" desc=" Look and feel setting code (optional)
">
    /* If Nimbus (introduced in Java SE 6) is not available, stay with the default look and
feel.
     * For details see
http://download.oracle.com/javase/tutorial/uiswing/lookandfeel/plaf.html
    */
    try {
        for (javax.swing.UIManager.LookAndFeelInfo info :
javax.swing.UIManager.getInstalledLookAndFeels()) {
            if ("Nimbus".equals(info.getName())) {

```

```
        javax.swing.UIManager.setLookAndFeel(info.getClassName());
        break;
    }
}
} catch (ClassNotFoundException ex) {

java.util.logging.Logger.getLogger(salary.class.getName()).log(java.util.logging.Level.SEVERE
E, null, ex);
} catch (InstantiationException ex) {

java.util.logging.Logger.getLogger(salary.class.getName()).log(java.util.logging.Level.SEVERE
E, null, ex);
} catch (IllegalAccessException ex) {

java.util.logging.Logger.getLogger(salary.class.getName()).log(java.util.logging.Level.SEVERE
E, null, ex);
} catch (javax.swing.UnsupportedLookAndFeelException ex) {

java.util.logging.Logger.getLogger(salary.class.getName()).log(java.util.logging.Level.SEVERE
E, null, ex);
}

//</editor-fold>

/* Create and display the form */
java.awt.EventQueue.invokeLater(new Runnable() {
    public void run() {
        new salary().setVisible(true);
    }
});
}

private javax.swing.JButton jButton1;
private javax.swing.JButton jButton2;
private javax.swing.JLabel jLabel1;
public javax.swing.JLabel jLabel10;
public javax.swing.JLabel jLabel11;
private javax.swing.JLabel jLabel2;
private javax.swing.JLabel jLabel3;
private javax.swing.JLabel jLabel4;
private javax.swing.JLabel jLabel5;
private javax.swing.JLabel jLabel6;
private javax.swing.JLabel jLabel7;
private javax.swing.JLabel jLabel8;
public javax.swing.JLabel jLabel9;
private javax.swing.JPanel jPanel1;
private javax.swing.JPanel jPanel2;
private javax.swing.JTextField jTextField1;
private javax.swing.JTextField jTextField2;
private javax.swing.JTextField jTextField3;
}
```

## ADMIN HISTORY OF TRANSACTIONS

```
package banking.admin;

import connection.connect;
import java.sql.Statement;
import java.sql.ResultSet;
import java.sql.SQLException;
import java.text.SimpleDateFormat;
import javax.swing.table.DefaultTableModel;
public class administory extends javax.swing.JFrame {

    String type;

    public administory() {
        initComponents();
    }

    @SuppressWarnings("unchecked")
    // <editor-fold defaultstate="collapsed" desc="Generated Code">
    private void initComponents() {

        jPanel2 = new javax.swing.JPanel();
        jScrollPane2 = new javax.swing.JScrollPane();
        jTable2 = new javax.swing.JTable();
        jComboBox2 = new javax.swing.JComboBox();
        jButton1 = new javax.swing.JButton();
        jLabel7 = new javax.swing.JLabel();
        jButton2 = new javax.swing.JButton();
        jLabel8 = new javax.swing.JLabel();
        jComboBox3 = new javax.swing.JComboBox();
        jLabel6 = new javax.swing.JLabel();
        jComboBox1 = new javax.swing.JComboBox();
        jPanel1 = new javax.swing.JPanel();
        jLabel1 = new javax.swing.JLabel();
        jLabel2 = new javax.swing.JLabel();
        jLabel3 = new javax.swing.JLabel();
        jLabel4 = new javax.swing.JLabel();
        jLabel5 = new javax.swing.JLabel();

        setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);

        jPanel2.setBackground(new java.awt.Color(255, 153, 153));

        jTable2.setModel(new javax.swing.table.DefaultTableModel(
            new Object [][] {
                {}
            },
            new String [] {
                ""
            }
        ));
        jScrollPane2.setViewportView(jTable2);

        javax.swing.GroupLayout jPanel2Layout = new javax.swing.GroupLayout(jPanel2);
        jPanel2.setLayout(jPanel2Layout);
        jPanel2Layout.setHorizontalGroup(
            jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(jPanel2Layout.createSequentialGroup()
                .addContainerGap()
                .addComponent(jScrollPane2)
                .addContainerGap())
        );
        jPanel2Layout.setVerticalGroup(
            jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addComponent(jScrollPane2, javax.swing.GroupLayout.DEFAULT_SIZE, 275, Short.MAX_VALUE)
        );

        jButton1.setText("jButton1");

        jLabel7.setText("jLabel7");

        jButton2.setText("jButton2");

        jLabel8.setText("jLabel8");

        jComboBox3.setModel(new javax.swing.DefaultComboBoxModel(new String[] {"1", "2", "3", "4", "5"}));
        jComboBox3.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                jComboBox3ActionPerformed(evt);
            }
        });

        jLabel6.setText("jLabel6");

        jComboBox1.setModel(new javax.swing.DefaultComboBoxModel(new String[] {"1", "2", "3", "4", "5"}));
        jComboBox1.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                jComboBox1ActionPerformed(evt);
            }
        });

        javax.swing.GroupLayout jPanel1Layout = new javax.swing.GroupLayout(jPanel1);
        jPanel1.setLayout(jPanel1Layout);
        jPanel1Layout.setHorizontalGroup(
            jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(jPanel1Layout.createSequentialGroup()
                .addContainerGap()
                .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                    .addGroup(jPanel1Layout.createSequentialGroup()
                        .addComponent(jLabel1)
                        .addGap(18, 18, 18)
                        .addComponent(jLabel2))
                    .addGroup(jPanel1Layout.createSequentialGroup()
                        .addComponent(jLabel3)
                        .addGap(18, 18, 18)
                        .addComponent(jLabel4))
                    .addGroup(jPanel1Layout.createSequentialGroup()
                        .addComponent(jLabel5)
                        .addGap(18, 18, 18)
                        .addComponent(jLabel6)))
                .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED, 18, javax.swing.GroupLayout.PREFERRED_SIZE)
                .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                    .addComponent(jComboBox1, javax.swing.GroupLayout.PREFERRED_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
                    .addComponent(jComboBox3, javax.swing.GroupLayout.PREFERRED_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))
                .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED, 18, javax.swing.GroupLayout.PREFERRED_SIZE)
                .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                    .addComponent(jButton2)
                    .addComponent(jButton1))
                .addContainerGap())
        );
        jPanel1Layout.setVerticalGroup(
            jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(jPanel1Layout.createSequentialGroup()
                .addContainerGap()
                .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
                    .addComponent(jLabel1)
                    .addComponent(jLabel2))
                .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)
                .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
                    .addComponent(jLabel3)
                    .addComponent(jLabel4))
                .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)
                .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
                    .addComponent(jLabel5)
                    .addComponent(jLabel6))
                .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)
                .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                    .addComponent(jComboBox1, javax.swing.GroupLayout.PREFERRED_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
                    .addComponent(jComboBox3, javax.swing.GroupLayout.PREFERRED_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))
                .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)
                .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                    .addComponent(jButton2)
                    .addComponent(jButton1))
                .addContainerGap())
        );

        javax.swing.GroupLayout layout = new javax.swing.GroupLayout(getContentPane());
        getContentPane().setLayout(layout);
        layout.setHorizontalGroup(
            layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addComponent(jPanel1, javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
            .addComponent(jPanel2, javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
        );
        layout.setVerticalGroup(
            layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addComponent(jPanel1, javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
            .addComponent(jPanel2, javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
        );

        pack();
    }

    private void jComboBox3ActionPerformed(java.awt.event.ActionEvent evt) {
    }

    private void jComboBox1ActionPerformed(java.awt.event.ActionEvent evt) {
    }

    // Variables declaration - do not modify
    private javax.swing.JButton jButton1;
    private javax.swing.JButton jButton2;
    private javax.swing.JComboBox jComboBox1;
    private javax.swing.JComboBox jComboBox2;
    private javax.swing.JComboBox jComboBox3;
    private javax.swing.JLabel jLabel1;
    private javax.swing.JLabel jLabel2;
    private javax.swing.JLabel jLabel3;
    private javax.swing.JLabel jLabel4;
    private javax.swing.JLabel jLabel5;
    private javax.swing.JLabel jLabel6;
    private javax.swing.JLabel jLabel7;
    private javax.swing.JPanel jPanel1;
    private javax.swing.JPanel jPanel2;
    private javax.swing.JScrollPane jScrollPane2;
    private javax.swing.JTable jTable2;
    // End of variables declaration
}
```

```

        new String [] {
            "admin_no", "date", "to admin no", "amount", "type"
        }
    ) {
        boolean[] canEdit = new boolean [] {
            false, false, false, false, false
        };

        public boolean isCellEditable(int rowIndex, int columnIndex) {
            return canEdit [columnIndex];
        }
    });
jScrollPane2.setViewportView(jTable2);

jComboBox2.setModel(new javax.swing.DefaultComboBoxModel<>(new String[] {
"all" }));
jComboBox2.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jComboBox2ActionPerformed(evt);
    }
});
jButton1.setText("BACK TO HOME");
jButton1.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jButton1ActionPerformed(evt);
    }
});
jLabel7.setText("date");

jButton2.setText("SUBMIT");
jButton2.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jButton2ActionPerformed(evt);
    }
});
jLabel8.setText("account_no");

jComboBox3.setModel(new javax.swing.DefaultComboBoxModel<>(new String[] {
"all" }));
jLabel6.setText("Transaction type");

jComboBox1.setModel(new javax.swing.DefaultComboBoxModel<>(new String[] {
"all" }));
jComboBox1.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {

```

```

        jComboBox1ActionPerformed(evt);
    }
});

javax.swing.GroupLayout jPanel2Layout = new javax.swing.GroupLayout(jPanel2);
jPanel2.setLayout(jPanel2Layout);
jPanel2Layout.setHorizontalGroup(
    jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
jPanel2Layout.createSequentialGroup()
    .addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel2Layout.createSequentialGroup()
            .addGap(82, 82, 82)
            .addComponent(jButton2))
        .addGroup(jPanel2Layout.createSequentialGroup()
            .addGap(63, 63, 63)
            .addComponent(jButton1)))
    .addGroup(jPanel2Layout.createSequentialGroup()
        .addGap(43, 43, 43)
        .addGap(43, 43, 43)))
    .addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING)
        .addComponent(jLabel7, javax.swing.GroupLayout.Alignment.LEADING)
        .addComponent(jLabel8, javax.swing.GroupLayout.Alignment.TRAILING)
        .addComponent(jLabel6,
javax.swing.GroupLayout.Alignment.TRAILING)))
    .addGapPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)

    .addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING, false)
        .addComponent(jComboBox2,
javax.swing.GroupLayout.Alignment.LEADING, 0, javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE)
        .addComponent(jComboBox3,
javax.swing.GroupLayout.Alignment.LEADING, 0, 92, Short.MAX_VALUE)
        .addComponent(jComboBox1,
javax.swing.GroupLayout.Alignment.LEADING, 0, javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE)))
    .addGapPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
    .addComponent(jScrollPane2, javax.swing.GroupLayout.PREFERRED_SIZE, 526,
javax.swing.GroupLayout.PREFERRED_SIZE)
    .addGapContainerGap())
);

jPanel2Layout.setVerticalGroup(
    jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

```

```

        .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
jPanel2Layout.createSequentialGroup()
        .addComponent(jScrollPane2, javax.swing.GroupLayout.PREFERRED_SIZE, 282,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addGap(0, 0, Short.MAX_VALUE))
    .addGroup(jPanel2Layout.createSequentialGroup()
        .addGap(34, 34, 34)

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
        .addComponent(jComboBox2, javax.swing.GroupLayout.PREFERRED_SIZE,
22, javax.swing.GroupLayout.PREFERRED_SIZE)
        .addComponent(jLabel7))
        .addGap(20, 20, 20)

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
        .addComponent(jLabel8)
        .addComponent(jComboBox3, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))
        .addGap(18, 18, 18)

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
        .addComponent(jLabel6)
        .addComponent(jComboBox1, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))
        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
        .addComponent(jButton2)
        .addGap(18, 18, 18)
        .addComponent(jButton1)
        .addGap(26, 26, 26))
);

jPanel1.setBackground(new java.awt.Color(153, 0, 0));

jLabel1.setFont(new java.awt.Font("Segoe UI", 3, 36)); // NOI18N
jLabel1.setForeground(new java.awt.Color(255, 255, 255));
jLabel1.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);
jLabel1.setText("TRANSACTION HISTORY");

jLabel2.setForeground(new java.awt.Color(255, 255, 255));
jLabel2.setText("username");

jLabel3.setForeground(new java.awt.Color(255, 255, 255));

jLabel4.setForeground(new java.awt.Color(255, 255, 255));
jLabel4.setText("admin_no");

```

```

jLabel5.setForeground(new java.awt.Color(255, 255, 255));

javax.swing.GroupLayout jPanel1Layout = new javax.swing.GroupLayout(jPanel1);
jPanel1.setLayout(jPanel1Layout);
jPanel1Layout.setHorizontalGroup(
    jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addGroup(jPanel1Layout.createSequentialGroup()
        .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(jPanel1Layout.createSequentialGroup()
                .addComponent(jLabel2)
                .addGap(18, 18, 18)
                .addComponent(jLabel5, javax.swing.GroupLayout.PREFERRED_SIZE, 198,
                    javax.swing.GroupLayout.PREFERRED_SIZE)
                .addGap(27, 27, 27)
                .addComponent(jLabel4, javax.swing.GroupLayout.PREFERRED_SIZE, 66,
                    javax.swing.GroupLayout.PREFERRED_SIZE)
                .addGap(18, 18, 18)
                .addComponent(jLabel3, javax.swing.GroupLayout.PREFERRED_SIZE, 198,
                    javax.swing.GroupLayout.PREFERRED_SIZE))
            .addGroup(jPanel1Layout.createSequentialGroup()
                .addComponent(jLabel1)))
        .addGap(98, 98, 98)
        .addComponent(jLabel1)))
    .addGapContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))
);

jPanel1Layout.setVerticalGroup(
    jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addGroup(jPanel1Layout.createSequentialGroup()
        .addGap(20, 20, 20)
        .addComponent(jLabel1)
        .addGap(18, 18, 18)

        .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING,
            false)
            .addComponent(jLabel2, javax.swing.GroupLayout.DEFAULT_SIZE,
                javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
            .addComponent(jLabel3, javax.swing.GroupLayout.DEFAULT_SIZE,
                javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
            .addComponent(jLabel5, javax.swing.GroupLayout.DEFAULT_SIZE,
                javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
            .addComponent(jLabel4, javax.swing.GroupLayout.DEFAULT_SIZE,
                javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))
        .addGapContainerGap(23, Short.MAX_VALUE))
);

```

```

javax.swing.GroupLayout layout = new javax.swing.GroupLayout(getContentPane());
getContentPane().setLayout(layout);
layout.setHorizontalGroup(
    layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addGroup(layout.createSequentialGroup()
        .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)
            .addComponent(jPanel2, javax.swing.GroupLayout.DEFAULT_SIZE,
                javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
            .addComponent(jPanel1, javax.swing.GroupLayout.DEFAULT_SIZE,
                javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))
        .addGap(0, 0, Short.MAX_VALUE))
    );
layout.setVerticalGroup(
    layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addGroup(layout.createSequentialGroup()
        .addComponent(jPanel1, javax.swing.GroupLayout.PREFERRED_SIZE,
            javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
        .addComponent(jPanel2, javax.swing.GroupLayout.DEFAULT_SIZE,
            javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
        .addGap(10, 10, 10)
        .addComponent(jPanel3, javax.swing.GroupLayout.PREFERRED_SIZE,
            javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
        .addContainerGap())
    );
);

pack();
}// </editor-fold>

private void jComboBox2ActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
}

private void jButton1ActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
    connect cn = new connect();
    try {
        Statement stmt = cn.conn();
        admindashboard ad = new admindashboard();

        String query2 = "select * from admin where admin_no='" + jLabel5.getText() + "'";
        ResultSet rs = stmt.executeQuery(query2);
        while (rs.next()) {
            type = rs.getString("usertype");
            if (rs.getString("usertype").equals("user")) {
                ad.jButton4.setVisible(false);
            }
            ad.setVisible(true);
            ad.jl.setText(jLabel5.getText());
            ad.jlabel.setText(jLabel3.getText());
            ad.jLabel6.setText(type);
        }
    }
}

```

```

        SimpleDateFormat formatter = new SimpleDateFormat("dd-MM-yyyy");
        String formattedDate = formatter.format(new java.util.Date());
        ad.jLabel3.setText("DATE : " + formattedDate);
        dispose();

    }
} catch (SQLException e) {
    System.out.println(e);
}
}

private void jButton2ActionPerformed(java.awt.event.ActionEvent evt) {
    connect cn = new connect();

    try {

        DefaultTableModel model = (DefaultTableModel) jTable2.getModel();
        Statement stmt = cn.conn();
        String selectedvalue = jComboBox2.getSelectedItem().toString();
        String selectedvalue1 = jComboBox3.getSelectedItem().toString();
        String selectedvalue2 = jComboBox1.getSelectedItem().toString();
        model.setRowCount(0);

        String query = "select * from admin where admin_no='" + jLabel5.getText() + "'";
        ResultSet rs = stmt.executeQuery(query);
        while (rs.next()) {
            if (selectedvalue.equals("all")) {
                if (selectedvalue1.equals("all")) {
                    if (selectedvalue2.equals("all")) {
                        if (rs.getString("usertype").equals("user")) {
                            String query2 = "select * from administory where admin_no='" +
jLabel5.getText() + "'";
                            ResultSet rs1 = stmt.executeQuery(query2);
                            while (rs1.next()) {
                                model.insertRow(0, new Object[]{rs1.getString("admin_no"),
rs1.getString("date"), rs1.getString("to_admin_no"), rs1.getString("amount"),
rs1.getString("type")});
                            }
                        } else {
                            String query2 = "select * from administory ";
                            ResultSet rs2 = stmt.executeQuery(query2);
                            while (rs2.next()) {
                                model.insertRow(0, new Object[]{rs2.getString("admin_no"),
rs2.getString("date"), rs2.getString("to_admin_no"), rs2.getString("amount"),
rs2.getString("type")});
                            }
                        }
                    }
                }
            }
        }
    } else {

```

```

        if (rs.getString("usertype").equals("user")) {
            String query2 = "select * from administory where admin_no=" +
jLabel5.getText() + "&& type=" + selectedvalue2 + "";
            ResultSet rs3 = stmt.executeQuery(query2);
            while (rs3.next()) {
                model.insertRow(0, new Object[]{rs3.getString("admin_no"),
rs3.getString("date"), rs3.getString("to_admin_no"), rs3.getString("amount"),
rs3.getString("type")});
            }
        } else {
            String query2 = "select * from administory where type=" +
selectedvalue2 + "";
            ResultSet rs4 = stmt.executeQuery(query2);
            while (rs4.next()) {
                model.insertRow(0, new Object[]{rs4.getString("admin_no"),
rs4.getString("date"), rs4.getString("to_admin_no"), rs4.getString("amount"),
rs4.getString("type")});
            }
        }
    } else {
        if (selectedvalue2.equals("all")) {
            if (rs.getString("usertype").equals("user")) {
                String query2 = "select * from administory where admin_no=" +
jLabel5.getText() + "&& to_admin_no=" + selectedvalue1 + "";
                ResultSet rs5 = stmt.executeQuery(query2);
                while (rs5.next()) {
                    model.insertRow(0, new Object[]{rs5.getString("admin_no"),
rs5.getString("date"), rs5.getString("to_admin_no"), rs5.getString("amount"),
rs5.getString("type")});
                }
            } else {
                String query2 = "select * from administory where to_admin_no=" +
selectedvalue1 + "";
                ResultSet rs6 = stmt.executeQuery(query2);
                while (rs6.next()) {
                    model.insertRow(0, new Object[]{rs6.getString("admin_no"),
rs6.getString("date"), rs6.getString("to_admin_no"), rs6.getString("amount"),
rs6.getString("type")});
                }
            }
        } else {
            if (rs.getString("usertype").equals("user")) {
                String query2 = "select * from administory where admin_no=" +
jLabel5.getText() + "&& to_admin_no=" + selectedvalue1 + "&& type=" + selectedvalue2 +
"";
                ResultSet rs7 = stmt.executeQuery(query2);
                while (rs7.next()) {

```



```

    } else {
        String query2 = "select * from administory where type='" +
selectedvalue2 + "' && date='" + selectedvalue + "'";
        ResultSet rs12 = stmt.executeQuery(query2);
        while (rs12.next()) {
            model.insertRow(0, new Object[]{rs12.getString("admin_no"),
rs12.getString("date"), rs12.getString("to_admin_no"), rs12.getString("amount"),
rs12.getString("type")});
        }
    }
} else {
    if (selectedvalue2.equals("all")) {
        if (rs.getString("usertype").equals("user")) {
            String query2 = "select * from administory where admin_no='" +
jLabel5.getText() + "' && date='" + selectedvalue + "' && to_admin_no='" + selectedvalue1 +
"'";
            ResultSet rs13 = stmt.executeQuery(query2);
            while (rs13.next()) {
                model.insertRow(0, new Object[]{rs13.getString("admin_no"),
rs13.getString("date"), rs13.getString("to_admin_no"), rs13.getString("amount"),
rs13.getString("type")});
            }
        } else {
            String query2 = "select * from administory where date='" +
selectedvalue + "' && to_admin_no='" + selectedvalue1 + "'";
            ResultSet rs14 = stmt.executeQuery(query2);
            while (rs14.next()) {
                model.insertRow(0, new Object[]{rs14.getString("admin_no"),
rs14.getString("date"), rs14.getString("to_admin_no"), rs14.getString("amount"),
rs14.getString("type")});
            }
        }
    } else {
        if (rs.getString("usertype").equals("user")) {
            String query2 = "select * from administory where admin_no='" +
jLabel5.getText() + "' && date='" + selectedvalue + "' && type='" + selectedvalue2 + "' &&
to_admin_no='" + selectedvalue1 + "'";
            ResultSet rs15 = stmt.executeQuery(query2);
            while (rs15.next()) {
                model.insertRow(0, new Object[]{rs15.getString("admin_no"),
rs15.getString("date"), rs15.getString("to_admin_no"), rs15.getString("amount"),
rs15.getString("type")});
            }
        } else {
            String query2 = "select * from administory where date='" +
selectedvalue + "' && type='" + selectedvalue2 + "' && to_admin_no='" + selectedvalue1 +
"'";
            ResultSet rs16 = stmt.executeQuery(query2);
        }
    }
}

```

```

        while (rs16.next()) {
            model.insertRow(0, new Object[]{rs16.getString("admin_no"),
rs16.getString("date"), rs16.getString("to_admin_no"), rs16.getString("amount"),
rs16.getString("type")});
        }
    }
}
} catch (SQLException e) {
    System.out.println(e);
}
}

private void jComboBox1ActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
}

<**
 * @param args the command line arguments
 */
public static void main(String args[]) {
    /* Set the Nimbus look and feel */
    //<editor-fold defaultstate="collapsed" desc=" Look and feel setting code (optional)
">
    /* If Nimbus (introduced in Java SE 6) is not available, stay with the default look and
feel.
     * For details see
http://download.oracle.com/javase/tutorial/uiswing/lookandfeel/plaf.html
*/
try {
    for (javax.swing.UIManager.LookAndFeelInfo info :
javax.swing.UIManager.getInstalledLookAndFeels()) {
        if ("Nimbus".equals(info.getName())) {
            javax.swing.UIManager.setLookAndFeel(info.getClassName());
            break;
        }
    }
} catch (ClassNotFoundException ex) {

java.util.logging.Logger.getLogger(administory.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
} catch (InstantiationException ex) {

java.util.logging.Logger.getLogger(administory.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
} catch (IllegalAccessException ex) {
}
}

```

```
java.util.logging.Logger.getLogger(administory.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
} catch (javax.swing.UnsupportedLookAndFeelException ex) {

java.util.logging.Logger.getLogger(administory.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
}
//</editor-fold>

/* Create and display the form */
java.awt.EventQueue.invokeLater(new Runnable() {
    public void run() {
        new administory().setVisible(true);
    }
});
}

// Variables declaration - do not modify
private javax.swing.JButton jButton1;
private javax.swing.JButton jButton2;
public javax.swing.JComboBox<String> jComboBox1;
public javax.swing.JComboBox<String> jComboBox2;
public javax.swing.JComboBox<String> jComboBox3;
private javax.swing.JLabel jLabel1;
private javax.swing.JLabel jLabel2;
public javax.swing.JLabel jLabel3;
public javax.swing.JLabel jLabel4;
public javax.swing.JLabel jLabel5;
private javax.swing.JLabel jLabel6;
private javax.swing.JLabel jLabel7;
public javax.swing.JLabel jLabel8;
private javax.swing.JPanel jPanel1;
private javax.swing.JPanel jPanel2;
private javax.swing.JScrollPane jScrollPane2;
public javax.swing.JTable jTable2;
// End of variables declaration
}
```

# Testing

Testing is a critical phase in the software development lifecycle to ensure the system works as intended and meets user requirements. The Banking Management System underwent multiple levels of testing to verify its functionality, performance, and reliability.

## **Testing Methodology**

- Unit Testing:** Each module, such as login, balance inquiry, and transaction processing, was tested independently to ensure correctness.
- Integration Testing:** Modules were tested together to ensure proper data flow and interaction.
- System Testing:** The complete system was tested in an environment that simulates real-world usage.
- User Acceptance Testing (UAT):** Conducted with sample users to validate usability and functionality.

## **Test Cases**

Below are some representative test cases:

<b>Test Case ID</b>	<b>Description</b>	<b>Input</b>	<b>Expected Output</b>	<b>Result</b>
TC001	Login with valid inputs	Username, Password	User directed to dashboard	Pass
TC002	Login with invalid inputs	Wrong credentials	Error message displayed: "Invalid username/password"	Pass
TC003	Check account balance	Account ID	Display current account balance	Pass
TC004	Deposit money	Account ID, Amount	Balance updated, success message displayed	Pass
TC005	Withdraw exceeding balance	Account ID, Amount	Error message displayed: "Insufficient balance"	Pass

TC006	View transaction history	Account ID, Date	Filtered transaction list displayed	Pass
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## Debugging and Bug Fixes

1. **Login Issues:** Fixed null pointer exception when incorrect credentials were entered.
2. **Database Connectivity:** Resolved connection timeout errors by optimizing JDBC configurations.
3. **Transaction Duplication:** Addressed issues causing duplicate entries in transaction history due to improper rollback handling.

## Challenges

During the development of the Banking Management System, several challenges were encountered:

1. **Database Connection Management:**  
Maintaining efficient and secure database connections for concurrent users was initially problematic. This was resolved by implementing a connection pooling mechanism.
2. **Security Concerns:**  
Protecting sensitive information like passwords required implementing encryption using hashing algorithms (e.g., SHA-256).
3. **User Interface Design:**  
Designing a user-friendly GUI involved iterating on layouts and testing them with sample users.
4. **Transaction Rollbacks:**  
Ensuring transaction atomicity (e.g., deducting funds from one account and adding them to another in a transfer) required handling exceptions effectively.

## **Future Enhancements**

To further improve the system, the following features can be implemented:

**1. Integration with Online Payment Gateways:**

Enable customers to perform online payments for bills, shopping, and more.

**2. Mobile Application:**

Develop a mobile-friendly version of the application for wider accessibility.

**3. Enhanced Security:**

Implement two-factor authentication (2FA) for added account security.

**4. Data Analytics:**

Introduce analytics for admins to monitor customer behavior and optimize services.

**5. AI for Fraud Detection:**

Use machine learning models to identify unusual activities and prevent fraud.

## **Conclusion**

The Banking Management System is a robust and scalable solution designed to address the operational challenges faced by modern banking institutions. By automating processes and providing intuitive user interfaces, the application enhances efficiency and customer satisfaction. Future enhancements can further elevate its functionality and adaptability to evolving banking needs.

The Java-Based Banking System Project is an ideal example of how software engineering principles can be applied to streamline complex financial operations. It combines functionality, scalability, and security to deliver a holistic banking solution. This project not only demonstrates your programming expertise but also showcases your ability to solve real-world problems with innovative technology.

## **References**

1. Java Documentation - Oracle
2. MySQL Documentation
3. JDBC Tutorials - TutorialsPoint
4. Swing GUI Development - GeeksforGeeks
5. "Designing Relational Database Schema" - Database System Concepts