

ATM Simulator

Problem Statement:

To develop a Java application that simulates an ATM (Automated teller Machine).

Explanation:

This project's main goal is to create a system that can imitate ATM transactions. The system will allow the user to withdraw cash, transfer money to another account, view a mini statement, and get balance information.

Features of Java Used:

1. Swing: Java Swing is based on an abstract windowing toolkit API that is purely written in Java. Java Swing offers lightweight and platform-agnostic components, making it ideal for designing and creating desktop-based applications (systems).

Common Swing components for desktop application (GUI)

Java Swing components are contained in the `javax.swing` package. Java Swing Components are vital aspects for designing, developing, and implementing an application. The Swing Graphical User Interface widget toolkit for the Java programming language is made up of these components.

These include:

1. JFrame
2. JLabel
3. JTextField
4. JButton

Other include: JPanel, JComboBox, JRadioButton, JCheckBox, JTable, JList, JFileChooser, JTextArea, ImageIcon.

The features we used in our app are as follows:

1. JFrame

In the Java Swing Component hierarchy, JFrame is the very first component.

1. By constructing a Frame class object. That is, association-based creation.

Example:

```
import javax.swing.JFrame;
public class Main {
    public static void main(String[] args) {
        JFrame sectionFrame = new JFrame();
        sectionFrame.setSize(600, 600); // 600 width & 600 height
        sectionFrame.setLayout(null); // no layout managers
        sectionFrame.setVisible(true); // frame visible
    }
}
```

2. By extending the Frame class. That is, OOP creation through class inheritance.

Example:

```
import javax.swing.JFrame;
public class sectionHomeWindow extends JFrame {
    /**
     * Creates new form sectionHomeWindow
     */
    public sectionHomeWindow() {
    }
}
```

2. JLabel

JLabel is a Swing Container User Interface component that displays readable text or an image. The text presented in the JLabel cannot be edited by the application user.

The text can, however, be changed by the application itself via action events. Both plain and HTML text can be shown using the JLabel component.

Example:

```
JLabel labelName = new JLabel("Name");
```

3. JTextField

JTextField is a swing component that lets users enter a single line of text. JTextField is a child of the javax.swing Library's JTextComponent class.

The enable property must be set to true for JTextField to be available and editable. JTextField can be initialised by giving an integer type parameter to the JTextField function.

The number of characters a user can type in the text field is not limited by the integer argument given in the function. It does, however, provide the text field box's width, i.e. the number of columns to be assigned to it.

Example:

```
JTextField sectionTextField = new JTextField(20);
```

4. JButton

JButton is one of the swing components which gives swing the property of platform independence. This component creates a click effect on the application's user interface. It is implemented in an application by calling any of its class constructors.

By clicking or double-clicking on it, data from databases is retrieved and displayed on the UI, or user data is collected on the UI and stored/saved in a database.

In most applications, JButton has text or a picture that tells the user what the button does.

```
JButton submitButton = new JButton("Submit");
```

We used **NetBeans** to create the GUI for our project

NetBeans is an IDE for developing applications using different languages. Java programming language is one of those many languages which NetBeans supports.

NetBeans is the **best IDE for building desktop applications using swing** since it provides a **user-friendly interface** for designing and coding the UI. It has **inbuilt libraries for swing which auto-populate code**.

The in-built libraries in NetBeans provide a palette section in the IDE when creating a swing application. This makes it easier to **drag and drop** and components when designing an application.

2. Java Database Connectivity(JDBC)

JDBC is an acronym for Java Database Connectivity. JDBC is a standard API specification developed in order to move data from frontend to backend. This API consists of classes and interfaces written in Java. It basically acts as an interface (not the one we use in Java) or channel between your Java program and databases i.e it establishes a link between the two so that a programmer could send data from Java code and store it in the database for future use.

* Steps for Connectivity between Java Program and a Database:

1. Import the database
2. Load the drivers using the `forName()` method
3. Register the drivers using the `DriverManager`
4. Establish a connection using the `Connection` class object
5. Create a statement
6. Execute the query
7. Close the connections

Illustration

The above given **Steps from 1 to 4** can be executed in 2-lines of Java code given below.

```
Class.forName("com.mysql.jdbc.Driver"); // load the drivers  
Connection con =  
DriverManager.getConnection("jdbc:mysql://localhost/atm", "root",  
"Kishan@1072");
```

Creating a Statement

Once a connection is established you can interact with the database. The `JDBCStatement`, `CallableStatement`, and `PreparedStatement` interfaces define the methods that enable you to send SQL commands and receive data from your database.

Use of JDBC Statement is as follows:

```
Statement st = con.createStatement();
```

Here, con is reference to Connection interface used in previous step.

Execute the Query

```
int m = st.executeUpdate(sql);
if (m==1)
    System.out.println("inserted successfully : "+sql);
else
    System.out.println("insertion failed");
```

Here, sql is SQL query of the type String.

Closing the connections

The close() method of the Connection interface is used to close the connection. It is as shown below as follows:

```
con.close();
```

C:\Users\kisha\Documents\NetBeansProjects\AutomatedTellerMachine\src\main\java\com\mycompany\automatedtellermachine\LoginActivity.java

```
1 package com.mycompany.automatedtellermachine;
2
3 import javax.swing.JOptionPane;
4 import java.sql.*;
5
6 public class LoginActivity extends javax.swing.JFrame {
7
8     String cardNumberEntered;
9     String user;
10    String receiverUserName;
11    float amountBalance;
12    float receiverBalance;
13
14    /**
15     * Creates new form LoginActivity
16     */
17    public LoginActivity() {
18        initComponents();
19    }
20
21    /**
22     * This method is called from within the constructor to initialize the form.
23     * WARNING: Do NOT modify this code. The content of this method is always
24     * regenerated by the Form Editor.
25     */
26    @SuppressWarnings("unchecked")
27    // <editor-fold defaultstate="collapsed" desc="Generated Code">
28    private void initComponents() {
29
30        jPanel1 = new javax.swing.JPanel();
31        jLabel1 = new javax.swing.JLabel();
32        jTabbedPane1 = new javax.swing.JTabbedPane();
33        jPanel3 = new javax.swing.JPanel();
34        jPanel4 = new javax.swing.JPanel();
35        jLabel2 = new javax.swing.JLabel();
36        jLabel3 = new javax.swing.JLabel();
37        jLabel8 = new javax.swing.JLabel();
38        jPanel5 = new javax.swing.JPanel();
39        jLabel4 = new javax.swing.JLabel();
40        cardNumberField = new javax.swing.JTextField();
41        jLabel5 = new javax.swing.JLabel();
42        pinField = new javax.swing.JPasswordField();
43        resetButton = new javax.swing.JButton();
44        proceedButton = new javax.swing.JButton();
45        jPanel12 = new javax.swing.JPanel();
46        jPanel16 = new javax.swing.JPanel();
47        jLabel6 = new javax.swing.JLabel();
48        jLabel7 = new javax.swing.JLabel();
49        jPanel17 = new javax.swing.JPanel();
50        balanceInfoButton = new javax.swing.JButton();
51        cashWithDrawalButton = new javax.swing.JButton();
52        exitButton = new javax.swing.JButton();
53        transferButton = new javax.swing.JButton();
54        debitHistoryButton = new javax.swing.JButton();
55        jPanel18 = new javax.swing.JPanel();
56        jPanel19 = new javax.swing.JPanel();
57        jLabel9 = new javax.swing.JLabel();
58        amountField = new javax.swing.JTextField();
59        resetButton1 = new javax.swing.JButton();
60        proceedButton1 = new javax.swing.JButton();
61        goToDashboardButton = new javax.swing.JButton();
62        exitFromWithdrawalButton = new javax.swing.JButton();
63        jPanel10 = new javax.swing.JPanel();
64        jLabel11 = new javax.swing.JLabel();
65        jLabel12 = new javax.swing.JLabel();
66        jLabel13 = new javax.swing.JLabel();
67        jPanel11 = new javax.swing.JPanel();
68        jPanel12 = new javax.swing.JPanel();
69        jLabel14 = new javax.swing.JLabel();
70        jLabel15 = new javax.swing.JLabel();
71        jLabel16 = new javax.swing.JLabel();
72        jPanel13 = new javax.swing.JPanel();
73        jLabel10 = new javax.swing.JLabel();
74        userNameField = new javax.swing.JTextField();
75        resetButton2 = new javax.swing.JButton();
76        proceedButton2 = new javax.swing.JButton();
77        goToDashboardButton1 = new javax.swing.JButton();
78        exitFromWithdrawalButton1 = new javax.swing.JButton();
79        jLabel17 = new javax.swing.JLabel();
80        amountField2 = new javax.swing.JTextField();
81        jPanel14 = new javax.swing.JPanel();
82        jPanel15 = new javax.swing.JPanel();
83        jLabel18 = new javax.swing.JLabel();
84        jLabel19 = new javax.swing.JLabel();
85        jLabel20 = new javax.swing.JLabel();
86        jPanel16 = new javax.swing.JPanel();
87        jLabel21 = new javax.swing.JLabel();
88        jLabel22 = new javax.swing.JLabel();
89        jLabel23 = new javax.swing.JLabel();
90        jLabel24 = new javax.swing.JLabel();
91        jSeparator1 = new javax.swing.JSeparator();
92        jSeparator2 = new javax.swing.JSeparator();
93        date1 = new javax.swing.JLabel();
94        date2 = new javax.swing.JLabel();
95        date3 = new javax.swing.JLabel();
```

```

96 date4 = new javax.swing.JLabel();
97 date5 = new javax.swing.JLabel();
98 time1 = new javax.swing.JLabel();
99 time2 = new javax.swing.JLabel();
100 time3 = new javax.swing.JLabel();
101 time4 = new javax.swing.JLabel();
102 time5 = new javax.swing.JLabel();
103 amount1 = new javax.swing.JLabel();
104 amount2 = new javax.swing.JLabel();
105 amount3 = new javax.swing.JLabel();
106 amount4 = new javax.swing.JLabel();
107 amount5 = new javax.swing.JLabel();
108 exitFromWithdrawalButton2 = new javax.swing.JButton();
109 goToDashboardButton2 = new javax.swing.JButton();
110
111 setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);
112 setTitle("State Bank of India");
113 setCursor(new java.awt.Cursor(java.awt.Cursor.DEFAULT_CURSOR));
114 setUndecorated(true);
115 setResizable(false);
116
117 jPanel1.setBackground(new java.awt.Color(255, 255, 255));
118
119 jLabel1.setBackground(new java.awt.Color(255, 255, 255));
120 jLabel1.setFont(new java.awt.Font("Liberation Sans", 1, 36)); // NOI18N
121 jLabel1.setHorizontalTextPosition(javax.swing.SwingConstants.CENTER);
122 jLabel1.setIcon(new javax.swing.ImageIcon("C:\\Users\\kisha\\Downloads\\sbi.png")); // NOI18N
123 jLabel1.setText("State Bank Of India");
124
125 javax.swing.GroupLayout jPanel1Layout = new javax.swing.GroupLayout(jPanel1);
126 jPanel1.setLayout(jPanel1Layout);
127 jPanel1Layout.setHorizontalGroup(
128     jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
129         .addGroup(jPanel1Layout.createSequentialGroup()
130             .addGap(456, 456, 456)
131             .addComponent(jLabel1)
132             .addGap(0, 0, Short.MAX_VALUE))
133 );
134 jPanel1Layout.setVerticalGroup(
135     jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
136         .addGroup(jPanel1Layout.createSequentialGroup()
137             .addGap(456, 456, 456)
138             .addComponent(jLabel1)
139             .addGap(0, 0, Short.MAX_VALUE))
140 );
141
142 jTabbedPane1.setTabPlacement(javax.swing.JTabbedPane.BOTTOM);
143
144 jPanel4.setBackground(new java.awt.Color(102, 0, 153));
145
146 jLabel12.setFont(new java.awt.Font("SF Pro Display", 1, 24)); // NOI18N
147 jLabel12.setForeground(new java.awt.Color(255, 255, 102));
148 jLabel12.setText("Welcome to the Automated Teller Machine");
149
150 jLabel13.setFont(new java.awt.Font("SF Pro Display", 1, 24)); // NOI18N
151 jLabel13.setForeground(new java.awt.Color(255, 0, 0));
152 jLabel13.setText("YOUR PIN IS CONFIDENTIAL NOBODY SHOULD SEE THE PIN");
153
154 jLabel18.setFont(new java.awt.Font("SF Pro Display", 1, 24)); // NOI18N
155 jLabel18.setForeground(new java.awt.Color(255, 0, 0));
156 jLabel18.setText("WHILE YOU ARE ENTERING IT. MAKE YOUR PIN MORE SECURE BY CHANGING IT FREQUENTLY");
157
158 javax.swing.GroupLayout jPanel4Layout = new javax.swing.GroupLayout(jPanel4);
159 jPanel4.setLayout(jPanel4Layout);
160 jPanel4Layout.setHorizontalGroup(
161     jPanel4Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
162         .addGroup(jPanel4Layout.createSequentialGroup()
163             .addGap(116, 116, 116)
164             .addGroup(jPanel4Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
165                 .addGroup(jPanel4Layout.createSequentialGroup()
166                     .addComponent(jLabel18)
167                     .addGap(115, 115, 115)
168                     .addGroup(jPanel4Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING)
169                         .addComponent(jLabel12)
170                         .addGap(409, 409, 409)
171                         .addGroup(jPanel4Layout.createSequentialGroup()
172                             .addComponent(jLabel13)
173                             .addGap(316, 316, 316)))
174             )
175             .addGroup(jPanel4Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
176                 .addGroup(jPanel4Layout.createSequentialGroup()
177                     .addGap(115, 115, 115)
178                     .addGroup(jPanel4Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
179                         .addComponent(jLabel12)
180                         .addGap(1, 1, 1)
181                         .addComponent(jLabel18)
182                         .addGap(54, 54, 54)
183                         .addComponent(cardNumberField, javax.swing.GroupLayout.PREFERRED_SIZE, 255, javax.swing.GroupLayout.PREFERRED_SIZE)))
184             )
185 );
186
187 jPanel5.setBackground(new java.awt.Color(102, 0, 153));
188
189 jLabel14.setFont(new java.awt.Font("SF Pro Display", 1, 36)); // NOI18N
190 jLabel14.setForeground(new java.awt.Color(255, 0, 255));
191 jLabel14.setText("Card Number: ");
192
193 cardNumberField.setBackground(new java.awt.Color(255, 0, 255));

```

```

194 cardNumberField.setFont(new java.awt.Font("Liberation Sans", 1, 36)); // NOI18N
195 cardNumberField.setForeground(new java.awt.Color(102, 0, 253));
196 cardNumberField.setName(""); // NOI18N
197
198 jLabel5.setFont(new java.awt.Font("SF Pro Display", 1, 36)); // NOI18N
199 jLabel5.setForeground(new java.awt.Color(255, 0, 255));
200 jLabel5.setText("Pin:");
201
202 pinField.setBackground(new java.awt.Color(255, 0, 255));
203 pinField.setFont(new java.awt.Font("SF Pro Display", 1, 36)); // NOI18N
204 pinField.setForeground(new java.awt.Color(102, 0, 253));
205 pinField.addActionListener(new java.awt.event.ActionListener() {
206     public void actionPerformed(java.awt.event.ActionEvent evt) {
207         pinFieldActionPerformed(evt);
208     }
209 });
210
211 resetButton.setBackground(new java.awt.Color(255, 0, 255));
212 resetButton.setFont(new java.awt.Font("SF Pro Display", 1, 36)); // NOI18N
213 resetButton.setForeground(new java.awt.Color(102, 0, 153));
214 resetButton.setText("Reset");
215 resetButton.addActionListener(new java.awt.event.ActionListener() {
216     public void actionPerformed(java.awt.event.ActionEvent evt) {
217         resetButtonActionPerformed(evt);
218     }
219 });
220
221 proceedButton.setBackground(new java.awt.Color(255, 0, 255));
222 proceedButton.setFont(new java.awt.Font("SF Pro Display", 1, 36)); // NOI18N
223 proceedButton.setForeground(new java.awt.Color(102, 0, 153));
224 proceedButton.setText("Proceed");
225 proceedButton.addActionListener(new java.awt.event.ActionListener() {
226     public void actionPerformed(java.awt.event.ActionEvent evt) {
227         proceedButtonActionPerformed(evt);
228     }
229 });
230
231 javax.swing.GroupLayout jPanel5Layout = new javax.swing.GroupLayout(jPanel5);
232 jPanel5.setLayout(jPanel5Layout);
233 jPanel5Layout.setHorizontalGroup(jPanel5Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
234     .addGroup(jPanel5Layout.createSequentialGroup()
235         .addGroup(jPanel5Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
236             .addGroup(jPanel5Layout.createSequentialGroup()
237                 .addGap(361, 361, 361)
238                 .addGroup(jPanel5Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING)
239                     .addComponent(proceedButton)
240                     .addComponent(jLabel14)
241                     .addComponent(jLabel5, javax.swing.GroupLayout.PREFERRED_SIZE, 75, javax.swing.GroupLayout.PREFERRED_SIZE))
242             .addGroup(jPanel5Layout.createSequentialGroup()
243                 .addComponent(pinfield, javax.swing.GroupLayout.PREFERRED_SIZE, 117, javax.swing.GroupLayout.PREFERRED_SIZE)
244                 .addComponent(cardNumberField, javax.swing.GroupLayout.PREFERRED_SIZE, 359, javax.swing.GroupLayout.PREFERRED_SIZE)
245                 .addComponent(resetButton))
246             .addGap(18, 18, 18)
247             .addGroup(jPanel5Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
248                 .addGroup(jPanel5Layout.createSequentialGroup()
249                     .addGroup(jPanel5Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
250                         .addGroup(jPanel5Layout.createSequentialGroup()
251                             .addGap(141, 141, 141)
252                             .addGroup(jPanel5Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
253                                 .addComponent(jLabel14)
254                                 .addComponent(cardNumberField, javax.swing.GroupLayout.PREFERRED_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
255                                 .addComponent(resetButton, javax.swing.GroupLayout.PREFERRED_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
256                                 .addComponent(jLabel15)
257                                 .addComponent(pinField, javax.swing.GroupLayout.PREFERRED_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
258                                 .addGap(21, 21, 21)
259                                 .addGroup(jPanel5Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
260                                     .addComponent(resetButton, javax.swing.GroupLayout.PREFERRED_SIZE, 51, javax.swing.GroupLayout.PREFERRED_SIZE)
261                                     .addComponent(proceedButton, javax.swing.GroupLayout.PREFERRED_SIZE, 51, javax.swing.GroupLayout.PREFERRED_SIZE)))
262             .addGap(193, Short.MAX_VALUE)
263         .addGapContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
264     );
265     jPanel5Layout.setVerticalGroup(jPanel5Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
266         .addGroup(jPanel5Layout.createSequentialGroup()
267             .addComponent(jLabel13)
268             .addGap(18, 18, 18)
269             .addGroup(jPanel5Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
270                 .addComponent(jLabel14)
271                 .addComponent(jLabel5)
272             )
273             .addGap(18, 18, 18)
274             .addGroup(jPanel5Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
275                 .addComponent(jLabel14)
276                 .addComponent(jLabel5)
277                 .addComponent(jLabel15)
278             )
279         );
280     );
281     jPanel1.addTab("tab1", jPanel13);
282
283 jPanel16.setBackground(new java.awt.Color(102, 0, 153));
284
285 jLabel6.setFont(new java.awt.Font("SF Pro Display", 1, 24)); // NOI18N
286 jLabel6.setForeground(new java.awt.Color(255, 255, 102));
287 jLabel6.setText("Welcome to the dashboard");
288
289 jLabel7.setFont(new java.awt.Font("SF Pro Display", 1, 24)); // NOI18N
290 jLabel7.setForeground(new java.awt.Color(255, 0, 0));
291 jLabel7.setText("PLEASE CLICK THE EXIT BUTTON BEFORE LEAVING");

```

```

292
293     javax.swing.GroupLayout jPanel6Layout = new javax.swing.GroupLayout(jPanel6);
294     jPanel6.setLayout(jPanel6Layout);
295     jPanel6Layout.setHorizontalGroup(
296         jPanel6Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
297             .addGroup(jPanel6Layout.createSequentialGroup()
298                 .addGap(375, Short.MAX_VALUE)
299                 .addGroup(jPanel6Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
300                     .addGroup(jPanel6Layout.createSequentialGroup()
301                         .addComponent(jLabel16, javax.swing.GroupLayout.PREFERRED_SIZE, 349, javax.swing.GroupLayout.PREFERRED_SIZE)
302                         .addGap(498, 498, 498)
303                         .addGroup(jPanel6Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING)
304                             .addComponent(jLabel17)
305                             .addGap(365, 365, 365)))
306                 );
307             jPanel6Layout.setVerticalGroup(
308                 jPanel6Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
309                     .addGroup(jPanel6Layout.createSequentialGroup()
310                         .addGap(375, Short.MAX_VALUE)
311                         .addComponent(jLabel16)
312                         .addGap(498, 498, 498)
313                         .addComponent(jLabel17)
314                         .addGap(365, 365, 365)))
315         );
316
317     jPanel7.setBackground(new java.awt.Color(102, 0, 153));
318
319     balanceInfoButton.setBackground(new java.awt.Color(255, 0, 255));
320     balanceInfoButton.setFont(new java.awt.Font("SF Pro Display", 1, 36)); // NOI18N
321     balanceInfoButton.setForeground(new java.awt.Color(102, 0, 153));
322     balanceInfoButton.setText("Balance Info");
323     balanceInfoButton.addActionListener(new java.awt.event.ActionListener() {
324         public void actionPerformed(java.awt.event.ActionEvent evt) {
325             balanceInfoButtonActionPerformed(evt);
326         }
327     });
328
329     cashWithDrawalButton.setBackground(new java.awt.Color(255, 0, 255));
330     cashWithDrawalButton.setFont(new java.awt.Font("SF Pro Display", 1, 36)); // NOI18N
331     cashWithDrawalButton.setForeground(new java.awt.Color(102, 0, 153));
332     cashWithDrawalButton.setText("Cash Withdrawal");
333     cashWithDrawalButton.addActionListener(new java.awt.event.ActionListener() {
334         public void actionPerformed(java.awt.event.ActionEvent evt) {
335             cashWithDrawalButtonActionPerformed(evt);
336         }
337     });
338
339     exitButton.setBackground(new java.awt.Color(204, 51, 0));
340     exitButton.setFont(new java.awt.Font("SF Pro Display", 1, 36)); // NOI18N
341     exitButton.setForeground(new java.awt.Color(102, 0, 153));
342     exitButton.setText("EXIT");
343     exitButton.addActionListener(new java.awt.event.ActionListener() {
344         public void actionPerformed(java.awt.event.ActionEvent evt) {
345             exitButtonActionPerformed(evt);
346         }
347     });
348
349     transferButton.setBackground(new java.awt.Color(255, 0, 255));
350     transferButton.setFont(new java.awt.Font("SF Pro Display", 1, 36)); // NOI18N
351     transferButton.setForeground(new java.awt.Color(102, 0, 153));
352     transferButton.setText("Transfer");
353     transferButton.addActionListener(new java.awt.event.ActionListener() {
354         public void actionPerformed(java.awt.event.ActionEvent evt) {
355             transferButtonActionPerformed(evt);
356         }
357     });
358
359     debitHistoryButton.setBackground(new java.awt.Color(255, 0, 255));
360     debitHistoryButton.setFont(new java.awt.Font("SF Pro Display", 1, 36)); // NOI18N
361     debitHistoryButton.setForeground(new java.awt.Color(102, 0, 153));
362     debitHistoryButton.setText("Debit History");
363     debitHistoryButton.addActionListener(new java.awt.event.ActionListener() {
364         public void actionPerformed(java.awt.event.ActionEvent evt) {
365             debitHistoryButtonActionPerformed(evt);
366         }
367     });
368
369     javax.swing.GroupLayout jPanel7Layout = new javax.swing.GroupLayout(jPanel7);
370     jPanel7.setLayout(jPanel7Layout);
371     jPanel7Layout.setHorizontalGroup(
372         jPanel7Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
373             .addGroup(jPanel7Layout.createSequentialGroup()
374                 .addGap(507, Short.MAX_VALUE)
375                 .addGroup(jPanel7Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING)
376                     .addComponent(transferButton, javax.swing.GroupLayout.PREFERRED_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
377                     .addComponent(cashWithDrawalButton, javax.swing.GroupLayout.PREFERRED_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
378                     .addComponent(balanceInfoButton, javax.swing.GroupLayout.PREFERRED_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
379                     .addComponent(debitHistoryButton, javax.swing.GroupLayout.PREFERRED_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE, Short.MAX_VALUE)
380                     .addComponent(exitButton, javax.swing.GroupLayout.PREFERRED_SIZE, 351, javax.swing.GroupLayout.PREFERRED_SIZE))
381                 .addGapGap(503, 503, 503))
382         );
383     jPanel7Layout.setVerticalGroup(
384         jPanel7Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
385             .addGroup(jPanel7Layout.createSequentialGroup()
386                 .addGapGap(90, 90)
387                 .addComponent(cashWithDrawalButton, javax.swing.GroupLayout.PREFERRED_SIZE, 51, javax.swing.GroupLayout.PREFERRED_SIZE)
388                 .addGapGap(18, 18, 18)
389                 .addComponent(balanceInfoButton, javax.swing.GroupLayout.PREFERRED_SIZE, 51, javax.swing.GroupLayout.PREFERRED_SIZE)

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390     .addGap(18, 18, 18)
391     .addComponent(transferButton, javax.swing.GroupLayout.PREFERRED_SIZE, 51, javax.swing.GroupLayout.PREFERRED_SIZE)
392     .addGap(18, 18, 18)
393     .addComponent(debitHistoryButton, javax.swing.GroupLayout.PREFERRED_SIZE, 51, javax.swing.GroupLayout.PREFERRED_SIZE)
394     .addGap(18, 18, 18)
395     .addComponent(exitButton, javax.swing.GroupLayout.PREFERRED_SIZE, 51, javax.swing.GroupLayout.PREFERRED_SIZE)
396     .addContainerGap(178, Short.MAX_VALUE))
397 );
398
399 javax.swing.GroupLayout jPanel2Layout = new javax.swing.GroupLayout(jPanel2);
400 jPanel2.setLayout(jPanel2Layout);
401 jPanel2Layout.setHorizontalGroup(
402     jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
403     .addComponent(jPanel16, javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
404     .addComponent(jPanel17, javax.swing.GroupLayout.Alignment.TRAILING, javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
405 );
406 jPanel2Layout.setVerticalGroup(
407     jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
408     .addGroup(jPanel2Layout.createSequentialGroup()
409         .addComponent(jPanel16, javax.swing.GroupLayout.PREFERRED_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
410         .addGap(4, 4, 4)
411         .addComponent(jPanel17, javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)))
412 );
413
414 jTabbedPane1.addTab("tab2", jPanel2);
415
416 jPanel9.setBackground(new java.awt.Color(102, 0, 153));
417
418 jLabel19.setFont(new java.awt.Font("SF Pro Display", 1, 36)); // NOI18N
419 jLabel19.setForeground(new java.awt.Color(255, 0, 255));
420 jLabel19.setText("Amount:");
421
422 amountField.setBackground(new java.awt.Color(255, 0, 255));
423 amountField.setFont(new java.awt.Font("Liberation Sans", 1, 36)); // NOI18N
424 amountField.setForeground(new java.awt.Color(102, 0, 253));
425 amountField.setName(""); // NOI18N
426
427 resetButton1.setBackground(new java.awt.Color(255, 0, 255));
428 resetButton1.setFont(new java.awt.Font("SF Pro Display", 1, 36)); // NOI18N
429 resetButton1.setForeground(new java.awt.Color(102, 0, 153));
430 resetButton1.setText("Reset");
431 resetButton1.addActionListener(new java.awt.event.ActionListener() {
432     public void actionPerformed(java.awt.event.ActionEvent evt) {
433         resetButton1ActionPerformed(evt);
434     }
435 });
436
437 proceedButton1.setBackground(new java.awt.Color(255, 0, 255));
438 proceedButton1.setFont(new java.awt.Font("SF Pro Display", 1, 36)); // NOI18N
439 proceedButton1.setForeground(new java.awt.Color(102, 0, 153));
440 proceedButton1.setText("Proceed");
441 proceedButton1.addActionListener(new java.awt.event.ActionListener() {
442     public void actionPerformed(java.awt.event.ActionEvent evt) {
443         proceedButton1ActionPerformed(evt);
444     }
445 });
446
447 goToDashboardButton.setBackground(new java.awt.Color(255, 0, 255));
448 goToDashboardButton.setFont(new java.awt.Font("SF Pro Display", 1, 36)); // NOI18N
449 goToDashboardButton.setForeground(new java.awt.Color(102, 0, 153));
450 goToDashboardButton.setText("Go to Dashboard");
451 goToDashboardButton.addActionListener(new java.awt.event.ActionListener() {
452     public void actionPerformed(java.awt.event.ActionEvent evt) {
453         goToDashboardButtonActionPerformed(evt);
454     }
455 });
456
457 exitFromWithdrawalButton.setBackground(new java.awt.Color(255, 0, 0));
458 exitFromWithdrawalButton.setFont(new java.awt.Font("SF Pro Display", 1, 36)); // NOI18N
459 exitFromWithdrawalButton.setForeground(new java.awt.Color(102, 0, 153));
460 exitFromWithdrawalButton.setText("EXIT");
461 exitFromWithdrawalButton.addActionListener(new java.awt.event.ActionListener() {
462     public void actionPerformed(java.awt.event.ActionEvent evt) {
463         exitFromWithdrawalButtonActionPerformed(evt);
464     }
465 });
466
467 javax.swing.GroupLayout jPanel9Layout = new javax.swing.GroupLayout(jPanel9);
468 jPanel9.setLayout(jPanel9Layout);
469 jPanel9Layout.setHorizontalGroup(
470     jPanel9Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
471     .addGroup(jPanel9Layout.createSequentialGroup()
472         .addGap(388, 388, 388)
473         .addGroup(jPanel9Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING)
474             .addGroup(jPanel9Layout.createSequentialGroup()
475                 .addComponent(jLabel19)
476                 .addGap(18, 18, 18)
477                 .addComponent(amountField, javax.swing.GroupLayout.PREFERRED_SIZE, 359, javax.swing.GroupLayout.PREFERRED_SIZE))
478             .addGroup(jPanel9Layout.createSequentialGroup()
479                 .addGroup(jPanel9Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING, false)
480                     .addComponent(goToDashboardButton, javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
481                     .addComponent(jPanel9Layout.createSequentialGroup()
482                         .addComponent(proceedButton1)
483                         .addGap(18, 18, 18)
484                         .addComponent(resetButton1))
485                     .addComponent(exitFromWithdrawalButton, javax.swing.GroupLayout.Alignment.LEADING, javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE)
486                     .addGap(104, 104, 104)))
487             .addGapContainerGap(434, Short.MAX_VALUE)))

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488 );
489 jPanel19Layout.setVerticalGroup(
490     jPanel19Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
491     .addGroup(jPanel19Layout.createSequentialGroup()
492         .addGap(141, 141, 141)
493         .addGroup(jPanel19Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
494             .addComponent(jLabel19)
495             .addComponent(amountField, javax.swing.GroupLayout.PREFERRED_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))
496         .addGap(18, 18, 18)
497         .addGroup(jPanel19Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
498             .addComponent(resetButton1, javax.swing.GroupLayout.PREFERRED_SIZE, 51, javax.swing.GroupLayout.PREFERRED_SIZE)
499             .addComponent(proceedButton1, javax.swing.GroupLayout.PREFERRED_SIZE, 51, javax.swing.GroupLayout.PREFERRED_SIZE))
500     .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)
501     .addComponent(goToDashboardButton, javax.swing.GroupLayout.PREFERRED_SIZE, 51, javax.swing.GroupLayout.PREFERRED_SIZE)
502     .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)
503     .addComponent(exitFromWithdrawalButton, javax.swing.GroupLayout.PREFERRED_SIZE, 51, javax.swing.GroupLayout.PREFERRED_SIZE)
504     .addContainerGap(133, Short.MAX_VALUE))
505 );
506
507 jPanel10.setBackground(new java.awt.Color(102, 0, 153));
508
509 jLabel11.setFont(new java.awt.Font("SF Pro Display", 1, 24)); // NOI18N
510 jLabel11.setForeground(new java.awt.Color(255, 255, 102));
511 jLabel11.setText("Please enter the amount below. (The maximum limit per transaction is Rs. 20,000/-) ");
512
513 jLabel12.setFont(new java.awt.Font("SF Pro Display", 1, 24)); // NOI18N
514 jLabel12.setForeground(new java.awt.Color(255, 0, 0));
515 jLabel12.setText("CLICK ON THE GO TO DASHBOARD BUTTON TO GO TO THE DASHBOARD");
516
517 jLabel13.setFont(new java.awt.Font("SF Pro Display", 1, 24)); // NOI18N
518 jLabel13.setForeground(new java.awt.Color(255, 0, 0));
519 jLabel13.setText("PLEASE MAKE SURE YOU CLICK THE EXIT BUTTON BEFORE LEAVING.");
520
521 javax.swing.GroupLayout jPanel10Layout = new javax.swing.GroupLayout(jPanel10);
522 jPanel10.setLayout(jPanel10Layout);
523 jPanel10Layout.setHorizontalGroup(
524     jPanel10Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
525     .addGroup(jPanel10Layout.createSequentialGroup()
526         .addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
527         .addComponent(jLabel11)
528         .addGap(153, 153, 153)
529         .addGroup(jPanel10Layout.createSequentialGroup()
530             .addGap(234, 234, 234)
531             .addGroup(jPanel10Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
532                 .addComponent(jLabel12)
533                 .addGroup(jPanel10Layout.createSequentialGroup()
534                     .addGap(18, 18, 18)
535                     .addComponent(jLabel13)))
536             .addGap(0, 0, Short.MAX_VALUE))
537 );
538 jPanel10Layout.setVerticalGroup(
539     jPanel10Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
540     .addGroup(jPanel10Layout.createSequentialGroup()
541         .addGap(16, 16, 16)
542         .addComponent(jLabel11)
543         .addGap(1, 1, 1)
544         .addComponent(jLabel12)
545         .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
546         .addComponent(jLabel13)
547         .addContainerGap(54, Short.MAX_VALUE))
548 );
549
550 javax.swing.GroupLayout jPanel8Layout = new javax.swing.GroupLayout(jPanel8);
551 jPanel8.setLayout(jPanel8Layout);
552 jPanel8Layout.setHorizontalGroup(
553     jPanel8Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
554     .addComponent(jPanel19, javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
555     .addComponent(jPanel10, javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
556 );
557 jPanel8Layout.setVerticalGroup(
558     jPanel8Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
559     .addGroup(javax.swing.GroupLayout.Alignment.TRAILING, jPanel8Layout.createSequentialGroup()
560         .addComponent(jPanel10, javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
561         .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
562         .addComponent(jPanel19, javax.swing.GroupLayout.PREFERRED_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))
563 );
564
565 jTabbedPane1.addTab("tab3", jPanel8);
566
567 jPanel12.setBackground(new java.awt.Color(102, 0, 153));
568
569 jLabel14.setFont(new java.awt.Font("SF Pro Display", 1, 24)); // NOI18N
570 jLabel14.setForeground(new java.awt.Color(255, 255, 102));
571 jLabel14.setText("Please enter the User Name and the amount you want to transfer below. ");
572
573 jLabel15.setFont(new java.awt.Font("SF Pro Display", 1, 24)); // NOI18N
574 jLabel15.setForeground(new java.awt.Color(255, 0, 0));
575 jLabel15.setText("SCAM ALERT: BANK NEVER ASKS FOR ANY OTP/PIN/CVV. IT'S ONLY FOR YOU.");
576
577 jLabel16.setFont(new java.awt.Font("SF Pro Display", 1, 24)); // NOI18N
578 jLabel16.setForeground(new java.awt.Color(255, 0, 0));
579 jLabel16.setText("DO NOT SHARE YOUR PIN/CVV/OTP WITH ANYONE.");
580
581 javax.swing.GroupLayout jPanel12Layout = new javax.swing.GroupLayout(jPanel12);
582 jPanel12.setLayout(jPanel12Layout);
583 jPanel12Layout.setHorizontalGroup(
584     jPanel12Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
585     .addGroup(jPanel12Layout.createSequentialGroup()
586

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684     .addGroup(jPanel13Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
685         .addComponent(goToDashboardButton1, javax.swing.GroupLayout.PREFERRED_SIZE, 350, javax.swing.GroupLayout.PREFERRED_SIZE)
686     .addGroup(jPanel13Layout.createSequentialGroup()
687         .addGroup(jPanel13Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING)
688             .addComponent(proceedButton2)
689             .addComponent(jLabel17))
690         .addGap(18, 18, 18)
691         .addGroup(jPanel13Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
692             .addComponent(amountField2, javax.swing.GroupLayout.PREFERRED_SIZE, 359, javax.swing.GroupLayout.PREFERRED_SIZE)
693             .addComponent(resetButton2)))
694         .addComponent(exitFromWithdrawalButton1, javax.swing.GroupLayout.PREFERRED_SIZE, 350, javax.swing.GroupLayout.PREFERRED_SIZE)
695     .addComponent(containerGap(javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)))
696 );
697 jPanel13Layout.setVerticalGroup(
698     jPanel13Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
699     .addGroup(jPanel13Layout.createSequentialGroup()
700         .addGap(87, 87, 87)
701         .addGroup(jPanel13Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
702             .addComponent(jLabel18)
703             .addComponent(userNameField, javax.swing.GroupLayout.PREFERRED_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
704             .addComponent(preferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED))
705         .addGroup(jPanel13Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
706             .addComponent(jLabel17)
707             .addComponent(amountField2, javax.swing.GroupLayout.PREFERRED_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
708             .addComponent(preferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED))
709         .addGroup(jPanel13Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
710             .addComponent(proceedButton2, javax.swing.GroupLayout.PREFERRED_SIZE, 51, javax.swing.GroupLayout.PREFERRED_SIZE)
711             .addComponent(resetButton2, javax.swing.GroupLayout.PREFERRED_SIZE, 51, javax.swing.GroupLayout.PREFERRED_SIZE))
712         .addGap(13, 13, 13)
713         .addComponent(goToDashboardButton1, javax.swing.GroupLayout.PREFERRED_SIZE, 51, javax.swing.GroupLayout.PREFERRED_SIZE)
714         .addComponent(preferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED))
715         .addComponent(exitFromWithdrawalButton1, javax.swing.GroupLayout.PREFERRED_SIZE, 51, javax.swing.GroupLayout.PREFERRED_SIZE)
716     .addComponent(containerGap(143, Short.MAX_VALUE)))
717 );
718
719 javax.swing.GroupLayout jPanel11Layout = new javax.swing.GroupLayout(jPanel11);
720 jPanel11.setLayout(jPanel11Layout);
721 jPanel11Layout.setHorizontalGroup(
722     jPanel11Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
723     .addComponent(jPanel112, javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
724     .addComponent(jPanel113, javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
725 );
726 jPanel11Layout.setVerticalGroup(
727     jPanel11Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
728     .addGroup(jPanel11Layout.createSequentialGroup()
729         .addComponent(jPanel112, javax.swing.GroupLayout.PREFERRED_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
730         .addComponent(jPanel113, javax.swing.GroupLayout.PREFERRED_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
731     .addComponent(containerGap()))
732 );
733
734 jTabbedPane1.addTab("tab4", jPanel11);
735
736 jPanel15.setBackground(new java.awt.Color(102, 0, 153));
737
738 jLabel18.setFont(new java.awt.Font("SF Pro Display", 1, 24)); // NOI18N
739 jLabel18.setForeground(new java.awt.Color(255, 255, 102));
740 jLabel18.setText("The table below shows the Debit History");
741
742 jLabel19.setFont(new java.awt.Font("SF Pro Display", 1, 24)); // NOI18N
743 jLabel19.setForeground(new java.awt.Color(255, 0, 0));
744 jLabel19.setText("PLEASE CLICK EXIT BEFORE LEAVING.");
745
746 jLabel20.setFont(new java.awt.Font("SF Pro Display", 1, 24)); // NOI18N
747 jLabel20.setForeground(new java.awt.Color(255, 255, 102));
748 jLabel20.setText("THANK YOU FOR BANKING WITH US. HAVE A NICE DAY :)");
749
750
751 javax.swing.GroupLayout jPanel15Layout = new javax.swing.GroupLayout(jPanel15);
752 jPanel15.setLayout(jPanel15Layout);
753 jPanel15Layout.setHorizontalGroup(
754     jPanel15Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
755     .addGroup(jPanel15Layout.createSequentialGroup()
756         .addComponent(containerGap(javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))
757         .addGroup(jPanel15Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
758             .addGroup(jPanel15Layout.createSequentialGroup()
759                 .addGroup(jPanel15Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
760                     .addComponent(jLabel18)
761                     .addGroup(jPanel15Layout.createSequentialGroup()
762                         .addGap(10, 10, 10)
763                         .addComponent(jLabel19)))
764                     .addGroup(jPanel15Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING)
765                         .addComponent(jLabel20)
766                         .addGroup(jPanel15Layout.createSequentialGroup()
767                             .addComponent(jLabel120)
768                             .addGroup(jPanel15Layout.createSequentialGroup()
769                                 .addComponent(jLabel18)
770                                 .addGroup(jPanel15Layout.createSequentialGroup()
771                                     .addComponent(containerGap())
772                                     .addComponent(jLabel18)
773                                     .addComponent(preferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED))
774                                     .addComponent(jLabel19)
775                                     .addComponent(preferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED))
776                                     .addComponent(jLabel20)
777                                     .addComponent(containerGap(javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)))
778 );
779 jPanel15Layout.setVerticalGroup(
780     jPanel15Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
781     .addGroup(jPanel15Layout.createSequentialGroup()
782         .addComponent(jLabel18)
783         .addComponent(preferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED))
784         .addComponent(jLabel19)
785         .addComponent(preferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED))
786         .addComponent(jLabel20)
787         .addComponent(containerGap(javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)))
788 );
789 jPanel15Layout.setVerticalGroup(
790     jPanel15Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
791     .addGroup(jPanel15Layout.createSequentialGroup()
792         .addComponent(jLabel18)
793         .addComponent(preferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED))
794         .addComponent(jLabel19)
795         .addComponent(preferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED))
796         .addComponent(jLabel20)
797         .addComponent(containerGap(javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)))
798 );
799
800 jPanel16.setBackground(new java.awt.Color(102, 0, 153));

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782
783 jLabel21.setFont(new java.awt.Font("SF Pro Display", 1, 24)); // NOI18N
784 jLabel21.setForeground(new java.awt.Color(255, 0, 255));
785 jLabel21.setText("Debit History");
786
787 jLabel22.setFont(new java.awt.Font("SF Pro Display", 1, 24)); // NOI18N
788 jLabel22.setForeground(new java.awt.Color(255, 0, 255));
789 jLabel22.setText("Date");
790
791 jLabel23.setFont(new java.awt.Font("SF Pro Display", 1, 24)); // NOI18N
792 jLabel23.setForeground(new java.awt.Color(255, 0, 255));
793 jLabel23.setText("Time");
794
795 jLabel24.setFont(new java.awt.Font("SF Pro Display", 1, 24)); // NOI18N
796 jLabel24.setForeground(new java.awt.Color(255, 0, 255));
797 jLabel24.setText("Amount Debited (Rs.)");
798
799 date1.setFont(new java.awt.Font("SF Pro Display", 1, 24)); // NOI18N
800 date1.setForeground(new java.awt.Color(255, 0, 255));
801 date1.setText("date1");
802
803 date2.setFont(new java.awt.Font("SF Pro Display", 1, 24)); // NOI18N
804 date2.setForeground(new java.awt.Color(255, 0, 255));
805 date2.setText("date2");
806
807 date3.setFont(new java.awt.Font("SF Pro Display", 1, 24)); // NOI18N
808 date3.setForeground(new java.awt.Color(255, 0, 255));
809 date3.setText("date3");
810
811 date4.setFont(new java.awt.Font("SF Pro Display", 1, 24)); // NOI18N
812 date4.setForeground(new java.awt.Color(255, 0, 255));
813 date4.setText("date4");
814
815 date5.setFont(new java.awt.Font("SF Pro Display", 1, 24)); // NOI18N
816 date5.setForeground(new java.awt.Color(255, 0, 255));
817 date5.setText("date5");
818
819 time1.setFont(new java.awt.Font("SF Pro Display", 1, 24)); // NOI18N
820 time1.setForeground(new java.awt.Color(255, 0, 255));
821 time1.setText("time1");
822
823 time2.setFont(new java.awt.Font("SF Pro Display", 1, 24)); // NOI18N
824 time2.setForeground(new java.awt.Color(255, 0, 255));
825 time2.setText("time2");
826
827 time3.setFont(new java.awt.Font("SF Pro Display", 1, 24)); // NOI18N
828 time3.setForeground(new java.awt.Color(255, 0, 255));
829 time3.setText("time3");
830
831 time4.setFont(new java.awt.Font("SF Pro Display", 1, 24)); // NOI18N
832 time4.setForeground(new java.awt.Color(255, 0, 255));
833 time4.setText("time4");
834
835 time5.setFont(new java.awt.Font("SF Pro Display", 1, 24)); // NOI18N
836 time5.setForeground(new java.awt.Color(255, 0, 255));
837 time5.setText("time5");
838
839 amount1.setFont(new java.awt.Font("SF Pro Display", 1, 24)); // NOI18N
840 amount1.setForeground(new java.awt.Color(255, 0, 255));
841 amount1.setText("amount1");
842
843 amount2.setFont(new java.awt.Font("SF Pro Display", 1, 24)); // NOI18N
844 amount2.setForeground(new java.awt.Color(255, 0, 255));
845 amount2.setText("amount2");
846
847 amount3.setFont(new java.awt.Font("SF Pro Display", 1, 24)); // NOI18N
848 amount3.setForeground(new java.awt.Color(255, 0, 255));
849 amount3.setText("amount3");
850
851 amount4.setFont(new java.awt.Font("SF Pro Display", 1, 24)); // NOI18N
852 amount4.setForeground(new java.awt.Color(255, 0, 255));
853 amount4.setText("amount4");
854
855 amount5.setFont(new java.awt.Font("SF Pro Display", 1, 24)); // NOI18N
856 amount5.setForeground(new java.awt.Color(255, 0, 255));
857 amount5.setText("amount5");
858
859 exitFromWithdrawalButton2.setBackground(new java.awt.Color(255, 0, 0));
860 exitFromWithdrawalButton2.setFont(new java.awt.Font("SF Pro Display", 1, 36)); // NOI18N
861 exitFromWithdrawalButton2.setForeground(new java.awt.Color(102, 0, 153));
862 exitFromWithdrawalButton2.setText("EXIT");
863 exitFromWithdrawalButton2.addActionListener(new java.awt.event.ActionListener() {
864     public void actionPerformed(java.awt.event.ActionEvent evt) {
865         exitFromWithdrawalButton2ActionPerformed(evt);
866     }
867 });
868
869 goToDashboardButton2.setBackground(new java.awt.Color(255, 0, 255));
870 goToDashboardButton2.setFont(new java.awt.Font("SF Pro Display", 1, 36)); // NOI18N
871 goToDashboardButton2.setForeground(new java.awt.Color(102, 0, 153));
872 goToDashboardButton2.setText("Go to Dashboard");
873 goToDashboardButton2.addActionListener(new java.awt.event.ActionListener() {
874     public void actionPerformed(java.awt.event.ActionEvent evt) {
875         goToDashboardButton2ActionPerformed(evt);
876     }
877 });
878
879 javax.swing.GroupLayout jPanel16Layout = new javax.swing.GroupLayout(jPanel16);

```

```

880 jPanel16.setLayout(jPanel16Layout);
881 jPanel16Layout.setHorizontalGroup(
882     jPanel16Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
883         .addGroup(javax.swing.GroupLayout.Alignment.TRAILING, jPanel16Layout.createSequentialGroup()
884             .addContainerGap(321, Short.MAX_VALUE)
885             .addGroup(jPanel16Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
886                 .addGroup(javax.swing.GroupLayout.Alignment.TRAILING, jPanel16Layout.createSequentialGroup()
887                     .addGroup(jPanel16Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING, false)
888                         .addGroup(jPanel16Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
889                             .addGroup(jPanel16Layout.createSequentialGroup()
890                                 .addGap(284, 284, 284)
891                                 .addComponent(jLabel21))
892                             .addGroup(jPanel16Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)
893                                 .addGroup(jPanel16Layout.createSequentialGroup()
894                                     .addComponent(jLabel22)
895                                     .addGap(202, 202, 202)
896                                     .addComponent(jLabel23)
897                                     .addGap(159, 159, 159)
898                                     .addComponent(jLabel24)))
899                             .addGroup(jPanel16Layout.createSequentialGroup()
900                                 .addGroup(jPanel16Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
901                                     .addGroup(jPanel16Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING)
902                                         .addComponent(date3)
903                                         .addComponent(date2)
904                                         .addComponent(date4))
905                                         .addComponent(date1)
906                                         .addComponent(date5))
907                                     .addGap(125, 125, 125)
908                                     .addGroup(jPanel16Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
909                                         .addComponent(time2, javax.swing.GroupLayout.PREFERRED_SIZE, 181, javax.swing.GroupLayout.PREFERRED_SIZE)
910                                         .addComponent(time1, javax.swing.GroupLayout.PREFERRED_SIZE, 181, javax.swing.GroupLayout.PREFERRED_SIZE)
911                                         .addComponent(time3, javax.swing.GroupLayout.PREFERRED_SIZE, 182, javax.swing.GroupLayout.PREFERRED_SIZE)
912                                         .addComponent(time4, javax.swing.GroupLayout.PREFERRED_SIZE, 182, javax.swing.GroupLayout.PREFERRED_SIZE)
913                                         .addComponent(time5, javax.swing.GroupLayout.PREFERRED_SIZE, 182, javax.swing.GroupLayout.PREFERRED_SIZE)
914                                         .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED, javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
915                                         .addGroup(jPanel16Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
916                                             .addGroup(jPanel16Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
917                                                 .addComponent(amount1, javax.swing.GroupLayout.Alignment.TRAILING, javax.swing.GroupLayout.PREFERRED_SIZE, Short.MAX_VALUE)
918                                                 .addComponent(amount2, javax.swing.GroupLayout.Alignment.TRAILING, javax.swing.GroupLayout.PREFERRED_SIZE, Short.MAX_VALUE)
919                                                 .addComponent(amount3, javax.swing.GroupLayout.PREFERRED_SIZE, 113, javax.swing.GroupLayout.PREFERRED_SIZE)
920                                                 .addComponent(amount4)
921                                                 .addComponent(amount5, javax.swing.GroupLayout.PREFERRED_SIZE, 113, javax.swing.GroupLayout.PREFERRED_SIZE)
922                                                 .addGap(78, 78, 78)))
923                                                 .addComponent(jSeparator1, javax.swing.GroupLayout.PREFERRED_SIZE, 750, javax.swing.GroupLayout.PREFERRED_SIZE)
924                                                 .addComponent(jSeparator2, javax.swing.GroupLayout.PREFERRED_SIZE, 750, javax.swing.GroupLayout.PREFERRED_SIZE))
925                                         .addGap(290, 290, 290))
926                                         .addGroup(jPanel16Layout.createSequentialGroup()
927                                             .addGroup(jPanel16Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
928                                                 .addComponent(exitFromWithdrawalButton2, javax.swing.GroupLayout.PREFERRED_SIZE, 350, javax.swing.GroupLayout.PREFERRED_SIZE)
929                                                 .addComponent(goToDashboardButton2, javax.swing.GroupLayout.PREFERRED_SIZE, 350, javax.swing.GroupLayout.PREFERRED_SIZE))
930                                         .addGap(503, 503, 503))))
931 );
932 jPanel16Layout.setVerticalGroup(
933     jPanel16Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
934         .addGroup(jPanel16Layout.createSequentialGroup()
935             .addContainerGap()
936             .addComponent(jLabel21)
937             .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)
938             .addComponent(jSeparator2, javax.swing.GroupLayout.PREFERRED_SIZE, 8, javax.swing.GroupLayout.PREFERRED_SIZE)
939             .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
940             .addGroup(jPanel16Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
941                 .addComponent(jLabel22)
942                 .addComponent(jLabel23)
943                 .addComponent(jLabel24))
944             .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
945             .addComponent(jSeparator1, javax.swing.GroupLayout.PREFERRED_SIZE, 10, javax.swing.GroupLayout.PREFERRED_SIZE)
946             .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
947             .addGroup(jPanel16Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
948                 .addComponent(date1)
949                 .addComponent(time1)
950                 .addComponent(amount1))
951             .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
952             .addGroup(jPanel16Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
953                 .addComponent(date2)
954                 .addComponent(time2)
955                 .addComponent(amount2))
956             .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
957             .addGroup(jPanel16Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
958                 .addComponent(date3)
959                 .addComponent(time3)
960                 .addComponent(amount3))
961             .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
962             .addGroup(jPanel16Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
963                 .addComponent(date4)
964                 .addComponent(time4)
965                 .addComponent(amount4))
966             .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
967             .addGroup(jPanel16Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
968                 .addComponent(date5)
969                 .addComponent(time5)
970                 .addComponent(amount5))
971             .addGap(28, 28, 28)
972             .addComponent(goToDashboardButton2, javax.swing.GroupLayout.PREFERRED_SIZE, 51, javax.swing.GroupLayout.PREFERRED_SIZE)
973             .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)
974             .addComponent(exitFromWithdrawalButton2, javax.swing.GroupLayout.PREFERRED_SIZE, 51, javax.swing.GroupLayout.PREFERRED_SIZE)
975             .addContainerGap(132, Short.MAX_VALUE))
976 );
977

```

```

978 javax.swing.GroupLayout jPanel14Layout = new javax.swing.GroupLayout(jPanel14);
979 jPanel14.setLayout(jPanel14Layout);
980 jPanel14Layout.setHorizontalGroup(
981     jPanel14Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
982         .addComponent(jPanel15, javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
983         .addComponent(jPanel16, javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
984     );
985 jPanel14Layout.setVerticalGroup(
986     jPanel14Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
987         .addGroup(jPanel14Layout.createSequentialGroup()
988             .addComponent(jPanel15, javax.swing.GroupLayout.PREFERRED_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
989             .addGap(10, 10, 10)
990             .addComponent(jPanel16, javax.swing.GroupLayout.PREFERRED_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
991         ).addContainerGap())
992 );
993 jTabbedPane1.addTab("tab5", jPanel14);
994
995 javax.swing.GroupLayout layout = new javax.swing.GroupLayout(getContentPane());
996 getContentPane().setLayout(layout);
997 layout.setHorizontalGroup(
998     layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
999         .addComponent(jPanel1, javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
1000         .addComponent(jTabbedPane1)
1001     );
1002 layout.setVerticalGroup(
1003     layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
1004         .addGroup(layout.createSequentialGroup()
1005             .addComponent(jPanel1, javax.swing.GroupLayout.PREFERRED_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
1006             .addGap(10, 10, 10)
1007             .addComponent(jTabbedPane1, javax.swing.GroupLayout.PREFERRED_SIZE, 680, javax.swing.GroupLayout.PREFERRED_SIZE)
1008         ).addContainerGap())
1009 );
1010
1011 jTabbedPane1.getAccessibleContext().setAccessibleName("tab1");
1012
1013 pack();
1014 setLocationRelativeTo(null);
1015 } // </editor-fold>
1016
1017 private void proceedButtonActionPerformed(java.awt.event.ActionEvent evt) {
1018     // TODO add your handling code here:
1019     try {
1020         int pinNumber = Integer.parseInt(pinField.getText());
1021         String cardNumber = cardNumberField.getText();
1022
1023         String Query = "Select * from userInfo where cardNumber = '" + cardNumber + "' ;";
1024         Class.forName("com.mysql.jdbc.Driver");
1025         Connection con = DriverManager.getConnection("jdbc:mysql://localhost/atm", "root", "Kishan@1072");
1026         Statement st = con.createStatement();
1027         ResultSet rs = st.executeQuery(Query);
1028         rs.next();
1029         int pin = rs.getInt(3);
1030         String card = rs.getString(2);
1031         user = rs.getString(1);
1032
1033         if(pinNumber == pin && cardNumber.equals(card)) {
1034             jTabbedPane1.setSelectedIndex(1);
1035             cardNumberField.setText("");
1036             pinField.setText("");
1037         }
1038         else {
1039             JOptionPane.showMessageDialog(this, "<html>The pin you entered is incorrect<br>Please Re-enter the pin<br></html>", "Uh-oh!", JOptionPane.ERROR_MESSAGE);
1040             pinField.setText("");
1041         }
1042     }
1043     catch(Exception e) {
1044         JOptionPane.showMessageDialog(this, "The card number you entered is Invalid!", "Uh-oh!", JOptionPane.WARNING_MESSAGE);
1045         cardNumberField.setText("");
1046         pinField.setText("");
1047     }
1048 }
1049
1050 private void resetButtonActionPerformed(java.awt.event.ActionEvent evt) {
1051     // TODO add your handling code here:
1052     this.cardNumberField.setText("");
1053     this.pinField.setText("");
1054 }
1055
1056 private void pinFieldActionPerformed(java.awt.event.ActionEvent evt) {
1057     // TODO add your handling code here:
1058 }
1059
1060 private void balanceInfoButtonActionPerformed(java.awt.event.ActionEvent evt) {
1061     // TODO add your handling code here:
1062     try {
1063         Class.forName("com.mysql.jdbc.Driver");
1064         Connection con = DriverManager.getConnection("jdbc:mysql://localhost/atm", "root", "Kishan@1072");
1065         String Query = "Select * from userInfo where name = '" + user + "' ;";
1066         Statement st = con.createStatement();
1067         ResultSet rs = st.executeQuery(Query);
1068         rs.next();
1069         float balanceAmountFromDatabase = rs.getFloat(4);
1070         JOptionPane.showMessageDialog(this, "<html>The balance amount is Rs. <b>" + balanceAmountFromDatabase + "</b></html>", "Balance", JOptionPane.INFORMATION_MESSAGE);
1071     }
1072     catch (Exception e) {
1073         JOptionPane.showMessageDialog(this, "Please retry logging in", "Something Went Wrong", JOptionPane.ERROR_MESSAGE);
1074         jTabbedPane1.setSelectedIndex(0);
1075     }
}

```

```

1076 }
1077
1078 private void cashWithdrawalButtonActionPerformed(java.awt.event.ActionEvent evt) {
1079     // TODO add your handling code here:
1080     jTabbedPane1.setSelectedIndex(2);
1081 }
1082
1083 private void exitButtonActionPerformed(java.awt.event.ActionEvent evt) {
1084     // TODO add your handling code here:
1085
1086     int result;
1087     result = JOptionPane.showConfirmDialog(this, "Are you sure you want to Exit?", "Confirm Exit", JOptionPane.YES_NO_CANCEL_OPTION);
1088     if(result == JOptionPane.YES_OPTION) {
1089         jTabbedPane1.setSelectedIndex(0);
1090     }
1091 }
1092
1093 private void transferButtonActionPerformed(java.awt.event.ActionEvent evt) {
1094     // TODO add your handling code here:
1095     jTabbedPane1.setSelectedIndex(3);
1096 }
1097
1098 private void debitHistoryButtonActionPerformed(java.awt.event.ActionEvent evt) {
1099     // TODO add your handling code here:
1100     date1.setText("");
1101     date2.setText("");
1102     date3.setText("");
1103     date4.setText("");
1104     date5.setText("");
1105
1106     time1.setText("");
1107     time2.setText("");
1108     time3.setText("");
1109     time4.setText("");
1110     time5.setText("");
1111
1112     amount1.setText("");
1113     amount2.setText("");
1114     amount3.setText("");
1115     amount4.setText("");
1116     amount5.setText("");
1117
1118 try {
1119     Class.forName("com.mysql.jdbc.Driver");
1120     Connection con = DriverManager.getConnection("jdbc:mysql://localhost/atm", "root", "Kishan@1072");
1121     String Query = "select * from " + user + " order by dt desc, tm desc;";
1122     Statement st = con.createStatement();
1123     ResultSet rs = st.executeQuery(Query);
1124     int i = 1;
1125
1126     while(rs.next()) {
1127         if(i == 1) {
1128             date1.setText(rs.getString(1));
1129             time1.setText(rs.getString(2));
1130             amount1.setText(Float.toString(rs.getFloat(3)));
1131         }
1132         else if(i == 2) {
1133             date2.setText(rs.getString(1));
1134             time2.setText(rs.getString(2));
1135             amount2.setText(Float.toString(rs.getFloat(3)));
1136         }
1137         else if(i == 3) {
1138             date3.setText(rs.getString(1));
1139             time3.setText(rs.getString(2));
1140             amount3.setText(Float.toString(rs.getFloat(3)));
1141         }
1142         else if(i == 4) {
1143             date4.setText(rs.getString(1));
1144             time4.setText(rs.getString(2));
1145             amount4.setText(Float.toString(rs.getFloat(3)));
1146         }
1147         else if(i == 5) {
1148             date5.setText(rs.getString(1));
1149             time5.setText(rs.getString(2));
1150             amount5.setText(Float.toString(rs.getFloat(3)));
1151         }
1152         else {
1153             break;
1154         }
1155         i++;
1156     }
1157     jTabbedPane1.setSelectedIndex(4);
1158 }
1159 catch(Exception e) {
1160     JOptionPane.showMessageDialog(this, "Something Went Wrong, Please Try again in a moment.");
1161 }
1162 }
1163
1164 private void resetButton1ActionPerformed(java.awt.event.ActionEvent evt) {
1165     // TODO add your handling code here:
1166     amountField.setText("");
1167 }
1168
1169 private void proceedButton1ActionPerformed(java.awt.event.ActionEvent evt) {
1170     // TODO add your handling code here:
1171     float balanceAmountFromDatabase, amount;
1172     try {
1173         amount = Float.parseFloat(amountField.getText());

```

```

1174     Class.forName("com.mysql.jdbc.Driver");
1175     Connection con = DriverManager.getConnection("jdbc:mysql://localhost/atm", "root", "Kishan@1072");
1176     java.util.Date date = new java.util.Date();
1177     java.sql.Date sqlDate = new java.sql.Date(date.getTime());
1178     java.sql.Timestamp sqlTime = new java.sql.Timestamp(date.getTime());
1179     String Query = "Select * from userInfo where name = '" + user + "'";
1180     Statement st = con.createStatement();
1181     ResultSet rs = st.executeQuery(Query);
1182     rs.next();
1183     balanceAmountFromDatabase = rs.getFloat(4);
1184     amountBalance = balanceAmountFromDatabase;
1185
1186     if(amount <= balanceAmountFromDatabase) {
1187         PreparedStatement ps = con.prepareStatement("insert into " + user + " values(?,?," + amount + ")");
1188         ps.setDate(1, sqlDate);
1189         ps.setTimestamp(2, sqlTime);
1190         ps.executeUpdate();
1191         String Query2;
1192         amountBalance -= amount;
1193         Query2 = "Update userInfo set balanceAmount = " + amountBalance + " where name = '" + user + "'";
1194         Statement stmt = con.createStatement();
1195         stmt.executeUpdate(Query2);
1196         JOptionPane.showMessageDialog(this, "<html>Transaction Successfully Completed<br/><b>Please collect the amount before leaving</b></html>");
1197         jTabbedPane1.setSelectedIndex(0);
1198         ps.close();
1199     }
1200     else if(balanceAmountFromDatabase == 0 || amount > balanceAmountFromDatabase) {
1201         JOptionPane.showMessageDialog(this, "The account does not have sufficient balance!", "Insufficient balance!", JOptionPane.ERROR_MESSAGE);
1202         amountField.setText("");
1203     }
1204     con.close();
1205     amountField.setText("");
1206 }
1207 catch (Exception e) {
1208     JOptionPane.showMessageDialog(this, e);
1209 }
1210 }
1211
1212 private void goToDashboardButtonActionPerformed(java.awt.event.ActionEvent evt) {
1213     // TODO add your handling code here:
1214     amountField.setText("");
1215     jTabbedPane1.setSelectedIndex(1);
1216 }
1217
1218 private void exitFromWithdrawalButtonActionPerformed(java.awt.event.ActionEvent evt) {
1219     // TODO add your handling code here:
1220     int result;
1221     amountField.setText("");
1222     result = JOptionPane.showConfirmDialog(this, "Are you sure you want to Exit?", "Confirm Exit", JOptionPane.YES_NO_CANCEL_OPTION);
1223     if(result == JOptionPane.YES_OPTION) {
1224         jTabbedPane1.setSelectedIndex(0);
1225     }
1226 }
1227
1228 private void resetButton2ActionPerformed(java.awt.event.ActionEvent evt) {
1229     // TODO add your handling code here:
1230     userNameField.setText("");
1231     amountField2.setText("");
1232 }
1233
1234 private void proceedButton2ActionPerformed(java.awt.event.ActionEvent evt) {
1235     // TODO add your handling code here:
1236     receiverUserName = userNameField.getText();
1237     String amountEntered = amountField2.getText();
1238     float balanceAmountFromDatabase;
1239     float amountEnteredFloat = Float.parseFloat(amountEntered);
1240     try {
1241         Class.forName("com.mysql.jdbc.Driver");
1242         Connection con = DriverManager.getConnection("jdbc:mysql://localhost/atm", "root", "Kishan@1072");
1243
1244         java.util.Date date = new java.util.Date();
1245         java.sql.Date sqlDate = new java.sql.Date(date.getTime());
1246         java.sql.Timestamp sqlTime = new java.sql.Timestamp(date.getTime());
1247
1248         PreparedStatement ps = con.prepareStatement("insert into " + user + " values(?,?," + amountEnteredFloat + ")");
1249         ps.setDate(1, sqlDate);
1250         ps.setTimestamp(2, sqlTime);
1251         ps.executeUpdate();
1252
1253         String Query = "Select * from userInfo where name = '" + user + "'";
1254         Statement st = con.createStatement();
1255         ResultSet rs = st.executeQuery(Query);
1256         rs.next();
1257         balanceAmountFromDatabase = rs.getFloat(4);
1258         amountBalance = balanceAmountFromDatabase;
1259
1260         String Query1 = "Select * from userInfo where name = '" + receiverUserName + "'";
1261         Statement st1 = con.createStatement();
1262         ResultSet rs2 = st1.executeQuery(Query1);
1263         rs2.next();
1264         receiverBalance = rs2.getFloat(4);
1265
1266         if(amountBalance >= amountEnteredFloat) {
1267             amountBalance -= amountEnteredFloat;
1268             receiverBalance += amountEnteredFloat;
1269             String Query2 = "Update userInfo set balanceAmount = " + amountBalance + " where name = '" + user + "'";
1270             String Query3 = "Update userInfo set balanceAmount = " + receiverBalance + " where name = '" + receiverUserName + "'";
1271             st.executeUpdate(Query2);

```

```

1272             st.executeUpdate(Query3);
1273             userNameField.setText("");
1274             amountField2.setText("");
1275             JOptionPane.showMessageDialog(this, "The Transaction is completed successfully", "Success", JOptionPane.INFORMATION_MESSAGE);
1276         }
1277     }
1278     catch(Exception e) {
1279         JOptionPane.showMessageDialog(this, "Something Went Wrong, Please try again!");
1280     }
1281 }
1282
1283 private void goToDashboardButton1ActionPerformed(java.awt.event.ActionEvent evt) {
1284     // TODO add your handling code here:
1285     userNameField.setText("");
1286     amountField2.setText("");
1287     jTabbedPane1.setSelectedIndex(1);
1288 }
1289
1290 private void exitFromWithdrawalButton1ActionPerformed(java.awt.event.ActionEvent evt) {
1291     // TODO add your handling code here:
1292     int result;
1293     userNameField.setText("");
1294     amountField2.setText("");
1295     result = JOptionPane.showConfirmDialog(this, "Are you sure you want to Exit?", "Confirm Exit", JOptionPane.YES_NO_CANCEL_OPTION);
1296     if(result == JOptionPane.YES_OPTION) {
1297         jTabbedPane1.setSelectedIndex(0);
1298     }
1299 }
1300
1301 private void exitFromWithdrawalButton2ActionPerformed(java.awt.event.ActionEvent evt) {
1302     // TODO add your handling code here:
1303     int result;
1304     result = JOptionPane.showConfirmDialog(this, "Are you sure you want to Exit?", "Confirm Exit", JOptionPane.YES_NO_CANCEL_OPTION);
1305     if(result == JOptionPane.YES_OPTION) {
1306         jTabbedPane1.setSelectedIndex(0);
1307     }
1308 }
1309
1310 private void goToDashboardButton2ActionPerformed(java.awt.event.ActionEvent evt) {
1311     // TODO add your handling code here:
1312     jTabbedPane1.setSelectedIndex(1);
1313 }
1314
1315 /**
1316 * @param args the command line arguments
1317 */
1318 public static void main(String args[]) {
1319     /* Set the Nimbus look and feel */
1320     /*<editor-fold defaultstate="collapsed" desc=" Look and feel setting code (optional) >
1321     /* If Nimbus (introduced in Java SE 6) is not available, stay with the default look and feel.
1322     * For details see http://download.oracle.com/javase/tutorial/uiswing/lookandfeel/plaf.html
1323     */
1324     try {
1325         for (javax.swing.UIManager.LookAndFeelInfo info : javax.swing.UIManager.getInstalledLookAndFeels()) {
1326             if ("Nimbus".equals(info.getName())) {
1327                 javax.swing.UIManager.setLookAndFeel(info.getClassName());
1328                 break;
1329             }
1330         }
1331     } catch (ClassNotFoundException ex) {
1332         java.util.logging.Logger.getLogger(LoginActivity.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
1333     } catch (InstantiationException ex) {
1334         java.util.logging.Logger.getLogger(LoginActivity.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
1335     } catch (IllegalAccessException ex) {
1336         java.util.logging.Logger.getLogger(LoginActivity.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
1337     } catch (javax.swing.UnsupportedLookAndFeelException ex) {
1338         java.util.logging.Logger.getLogger(LoginActivity.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
1339     }
1340     //</editor-fold>
1341
1342     /* Create and display the form */
1343     java.awt.EventQueue.invokeLater(new Runnable() {
1344         public void run() {
1345             new LoginActivity().setVisible(true);
1346         }
1347     });
1348 }
1349
1350 // Variables declaration - do not modify
1351 private javax.swing.JLabel amount1;
1352 private javax.swing.JLabel amount2;
1353 private javax.swing.JLabel amount3;
1354 private javax.swing.JLabel amount4;
1355 private javax.swing.JLabel amount5;
1356 private javax.swing.JTextField amountField;
1357 private javax.swing.JTextField amountField2;
1358 private javax.swing.JButton balanceInfoButton;
1359 private javax.swing.JTextField cardNumberField;
1360 private javax.swing.JButton cashWithDrawalButton;
1361 private javax.swing.JLabel date1;
1362 private javax.swing.JLabel date2;
1363 private javax.swing.JLabel date3;
1364 private javax.swing.JLabel date4;
1365 private javax.swing.JLabel date5;
1366 private javax.swing.JButton debitHistoryButton;
1367 private javax.swing.JButton exitButton;
1368 private javax.swing.JButton exitFromWithdrawalButton;
1369 private javax.swing.JButton exitFromWithdrawalButton1;

```

```
1370 private javax.swing.JButton exitFromWithdrawalButton2;
1371 private javax.swing.JButton goToDashboardButton;
1372 private javax.swing.JButton goToDashboardButton1;
1373 private javax.swing.JButton goToDashboardButton2;
1374 private javax.swing.JLabel jLabel1;
1375 private javax.swing.JLabel jLabel10;
1376 private javax.swing.JLabel jLabel11;
1377 private javax.swing.JLabel jLabel12;
1378 private javax.swing.JLabel jLabel13;
1379 private javax.swing.JLabel jLabel14;
1380 private javax.swing.JLabel jLabel15;
1381 private javax.swing.JLabel jLabel16;
1382 private javax.swing.JLabel jLabel17;
1383 private javax.swing.JLabel jLabel18;
1384 private javax.swing.JLabel jLabel19;
1385 private javax.swing.JLabel jLabel2;
1386 private javax.swing.JLabel jLabel20;
1387 private javax.swing.JLabel jLabel21;
1388 private javax.swing.JLabel jLabel22;
1389 private javax.swing.JLabel jLabel23;
1390 private javax.swing.JLabel jLabel24;
1391 private javax.swing.JLabel jLabel3;
1392 private javax.swing.JLabel jLabel4;
1393 private javax.swing.JLabel jLabel5;
1394 private javax.swing.JLabel jLabel6;
1395 private javax.swing.JLabel jLabel7;
1396 private javax.swing.JLabel jLabel8;
1397 private javax.swing.JLabel jLabel9;
1398 private javax.swing.JPanel jPanel1;
1399 private javax.swing.JPanel jPanel10;
1400 private javax.swing.JPanel jPanel11;
1401 private javax.swing.JPanel jPanel12;
1402 private javax.swing.JPanel jPanel13;
1403 private javax.swing.JPanel jPanel14;
1404 private javax.swing.JPanel jPanel15;
1405 private javax.swing.JPanel jPanel16;
1406 private javax.swing.JPanel jPanel17;
1407 private javax.swing.JPanel jPanel18;
1408 private javax.swing.JPanel jPanel19;
1409 private javax.swing.JPanel jPanel15;
1410 private javax.swing.JPanel jPanel6;
1411 private javax.swing.JPanel jPanel17;
1412 private javax.swing.JPanel jPanel18;
1413 private javax.swing.JPanel jPanel19;
1414 private javax.swing.JSeparator jSeparator1;
1415 private javax.swing.JSeparator jSeparator2;
1416 private javax.swing.JTabbedPane jTabbedPane1;
1417 private javax.swing.JPasswordField pinField;
1418 private javax.swing.JButton proceedButton;
1419 private javax.swing.JButton proceedButton1;
1420 private javax.swing.JButton proceedButton2;
1421 private javax.swing.JButton resetButton;
1422 private javax.swing.JButton resetButton1;
1423 private javax.swing.JButton resetButton2;
1424 private javax.swing.JLabel time1;
1425 private javax.swing.JLabel time2;
1426 private javax.swing.JLabel time3;
1427 private javax.swing.JLabel time4;
1428 private javax.swing.JLabel time5;
1429 private javax.swing.JButton transferButton;
1430 private javax.swing.JTextField userNameField;
1431 // End of variables declaration
1432 }
1433 }
```

Login Page



State Bank Of India

Welcome to the Automated Teller Machine

YOUR PIN IS CONFIDENTIAL NOBODY SHOULD SEE THE PIN
WHILE YOU ARE ENTERING IT. MAKE YOUR PIN MORE SECURE BY CHANGING IT FREQUENTLY

Card Number:

Pin:

Proceed

Reset

When the user enters an incorrect card number



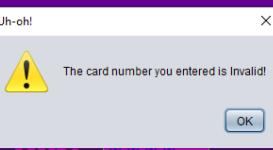
State Bank Of India

Welcome to the Automated Teller Machine

YOUR PIN IS CONFIDENTIAL NOBODY SHOULD SEE THE PIN
WHILE YOU ARE ENTERING IT. MAKE YOUR PIN MORE SECURE BY CHANGING IT FREQUENTLY

Card Num

4648494

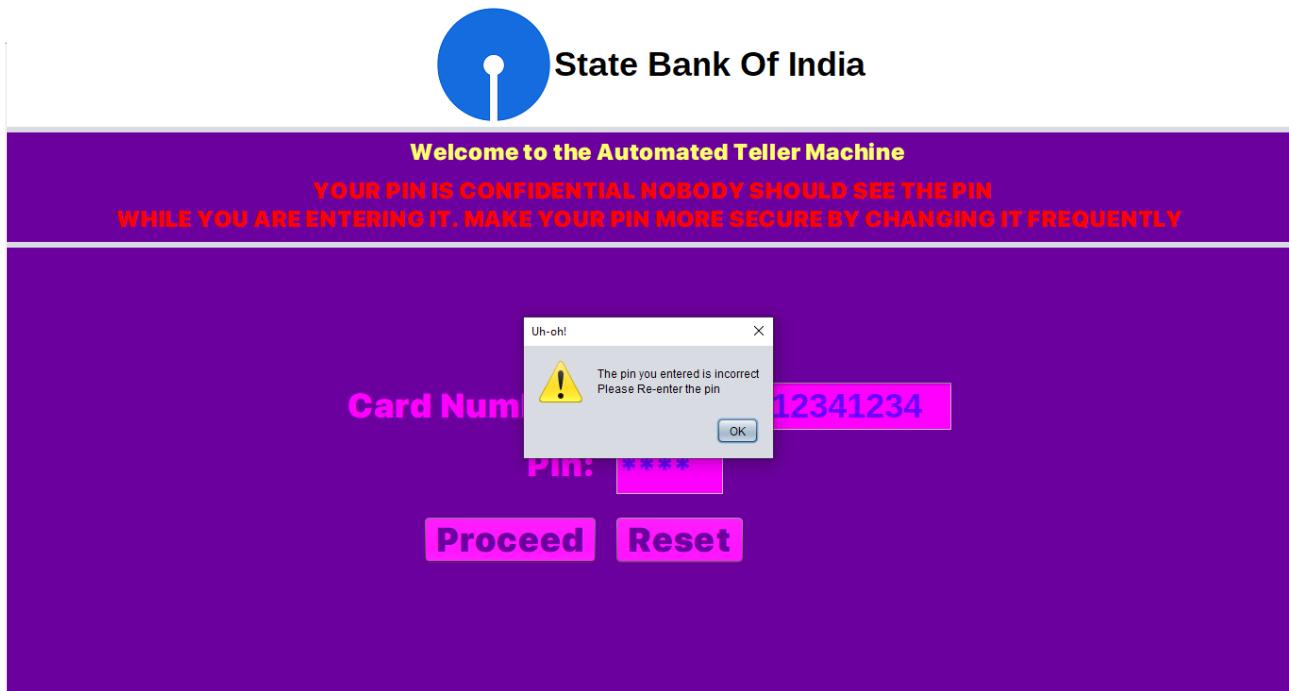


Pin:

Proceed

Reset

When the user Enters incorrect Pin number



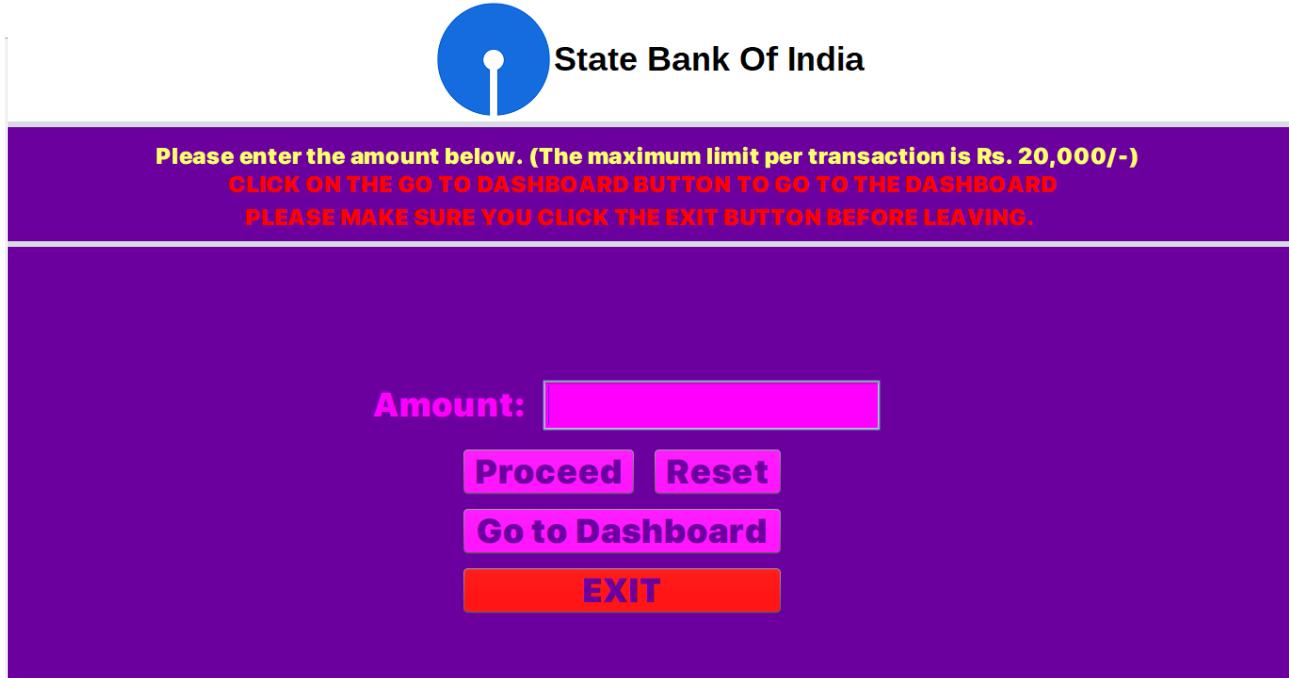
The user will be again asked to enter the Pin



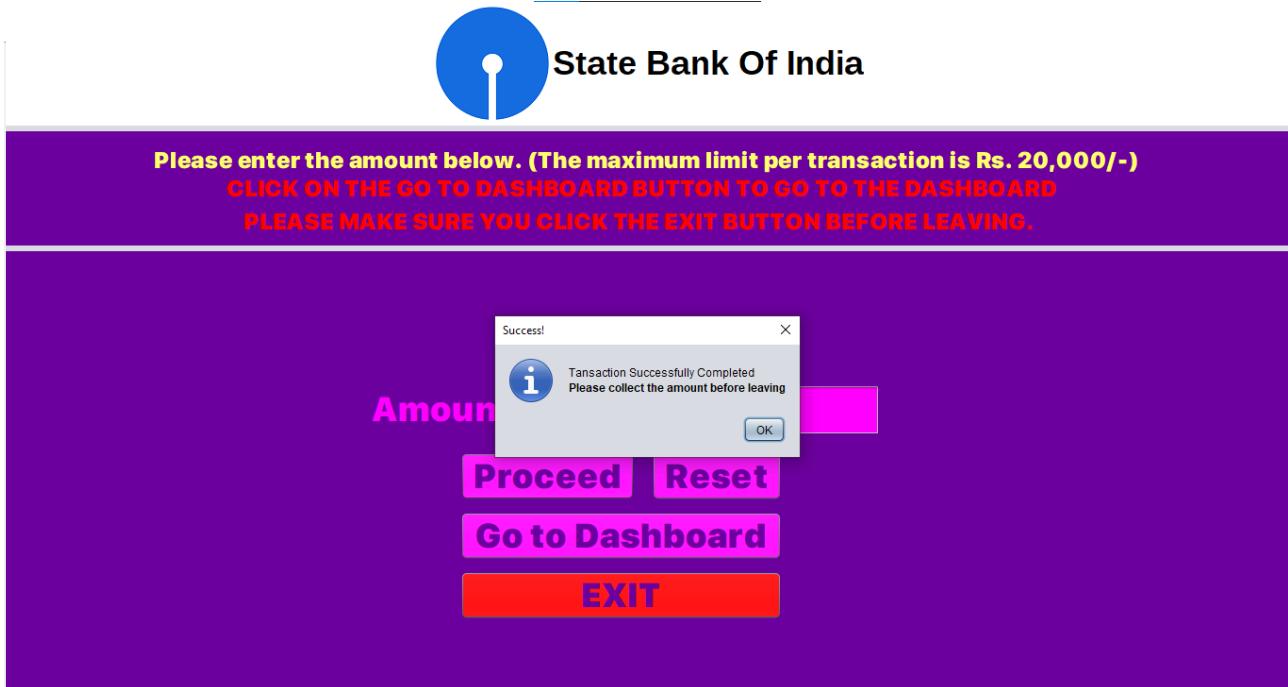
When the user enters a valid database



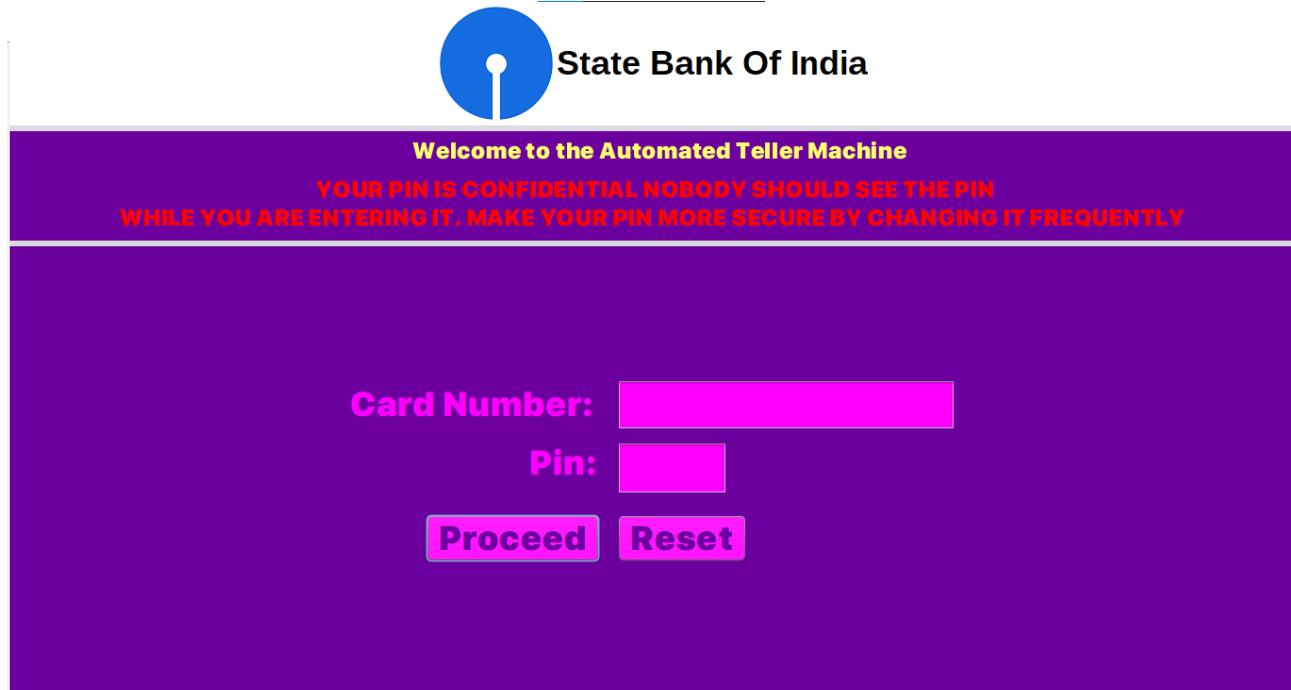
When the user Clicks Cash Withdrawal



When the user enters the amount and clicks Proceed button



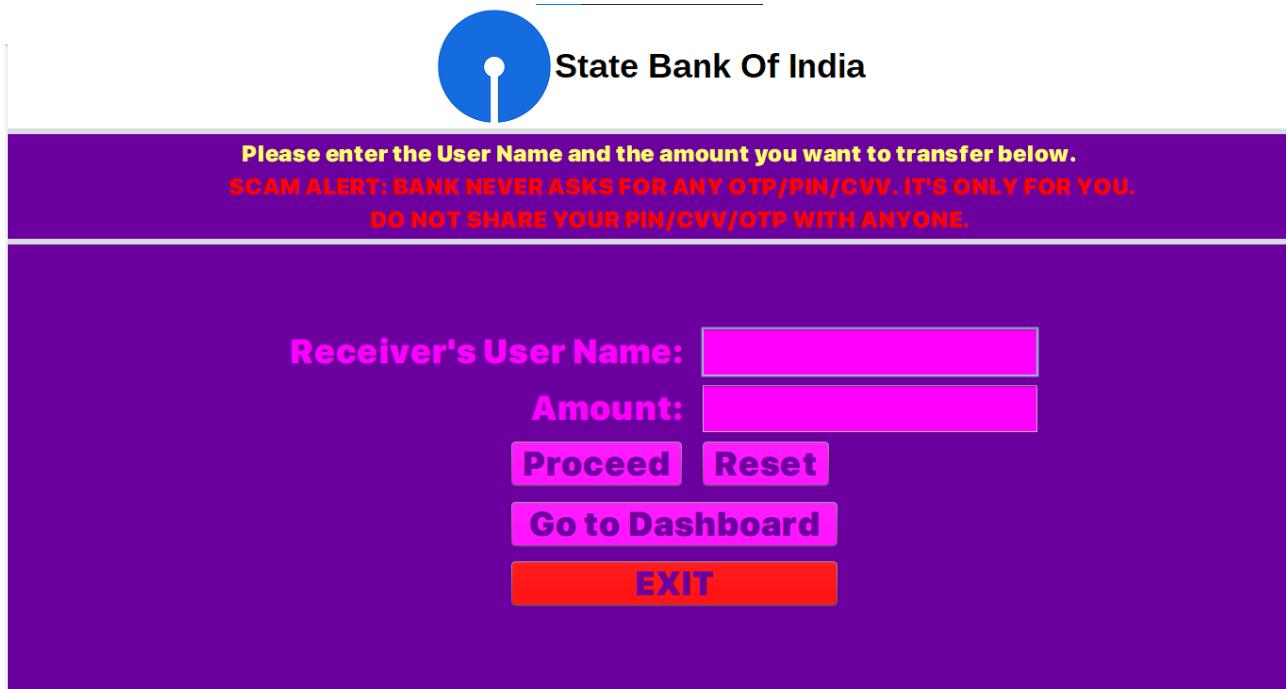
The user will now be logged out of the session



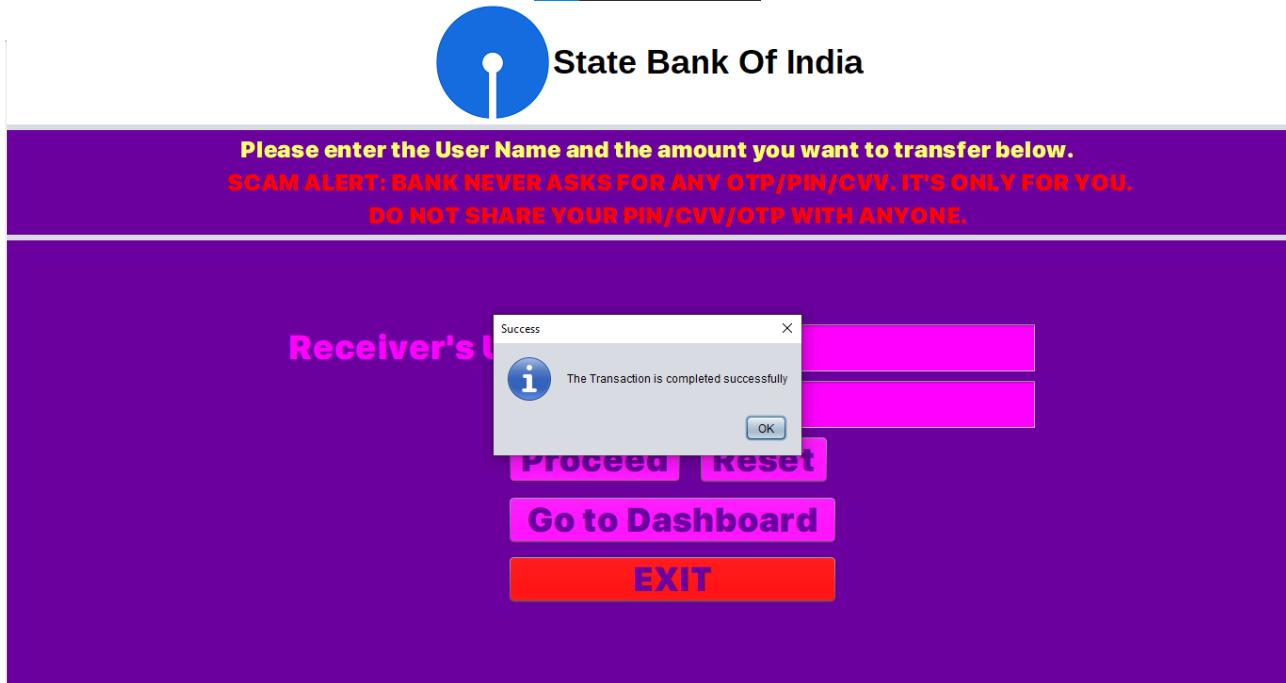
After logging in, If the user clicks Balance Info



After clicking OK, if the user clicks the Transfer button (the user will now have to enter the Receiver's username and amount)



When the user clicks Proceed Button



The user will now have to either click Go to dashboard button to go the dashboard or click exit to exit the session (In this case, the user clicks Go to dashboard)



When the user clicks Debit History**State Bank Of India****The table below shows the Debit History****PLEASE CLICK EXIT BEFORE LEAVING.****THANK YOU FOR BANKING WITH US. HAVE A NICE DAY :)****Debit History**

Date	Time	Amount Debited (Rs.)
2021-12-06	23:35:14	1200.0
2021-12-06	23:30:33	1800.0
2021-12-05	13:21:26	2000.0
2021-12-05	13:10:44	600.0
2021-12-05	12:53:05	1600.0

Go to Dashboard**EXIT****If the user clicks Exit (Will be prompted to confirm if wanna exit or not)****State Bank Of India****The table below shows the Debit History****PLEASE CLICK EXIT BEFORE LEAVING.****THANK YOU FOR BANKING WITH US. HAVE A NICE DAY :)****Debit History**

Date	Time	Amount Debited (Rs.)
2021-12-06	23:35:14	1200.0
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2021-12-05	13:21:26	2000.0
2021-12-05	13:10:44	600.0
2021-12-05	12:53:05	1600.0

Go to Dashboard**EXIT**