**Bank ATM Application System**

1. **Startpage.java**

package bank;

import java.sql.Connection;

import java.sql.DriverManager;

import java.sql.ResultSet;

import java.sql.SQLException;

import java.sql.Statement;

import java.util.logging.Level;

import java.util.logging.Logger;

import javax.swing.JFrame;

import javax.swing.JOptionPane;

public class Startpage extends javax.swing.JFrame {

static final String JDBC\_DRIVER = "com.mysql.jdbc.Driver";

static String dburl = "jdbc:derby://localhost:1527/Bank";

static String pass = "password";

static String user = "username";

static Connection conn = null;

static Statement stmt = null;

static String acc\_no, passd;

int st;

static int i = 1;

JFrame jf = new JFrame();

private void chance(int sta) {

if (sta > 0) {

JOptionPane.showMessageDialog(jf, "Enter the valid userid or password\n" + sta + " chance available", "ERROR", JOptionPane.ERROR\_MESSAGE);

jTextField1.setText(null);

jPasswordField1.setText(null);

Startpage.this.setVisible(true);

} else {

JOptionPane.showMessageDialog(jf, "Sorry account blocked \nplese login after 24 hours\n", "ERROR", JOptionPane.ERROR\_MESSAGE);

jTextField1.setText(null);

jPasswordField1.setText(null);

Startpage.this.setVisible(true);

}

}

public Startpage() {

initComponents();

}

@SuppressWarnings("unchecked")

// <editor-fold defaultstate="collapsed" desc="Generated Code">

private void initComponents() {

jLabel1 = new javax.swing.JLabel();

jTextField1 = new javax.swing.JTextField();

jPasswordField1 = new javax.swing.JPasswordField();

jLabel2 = new javax.swing.JLabel();

jLabel3 = new javax.swing.JLabel();

jButton1 = new javax.swing.JButton();

jButton2 = new javax.swing.JButton();

setDefaultCloseOperation(javax.swing.WindowConstants.EXIT\_ON\_CLOSE);

setTitle("Start Page");

jLabel1.setFont(new java.awt.Font("Tahoma", 0, 24)); // NOI18N

jLabel1.setText("Welcome to ATM");

jTextField1.setBackground(new java.awt.Color(240, 240, 240));

jTextField1.setFont(new java.awt.Font("Tahoma", 0, 17)); // NOI18N

jTextField1.setText(" ");

jTextField1.setBorder(null);

jTextField1.setCursor(new java.awt.Cursor(java.awt.Cursor.TEXT\_CURSOR));

jPasswordField1.setBackground(new java.awt.Color(240, 240, 240));

jPasswordField1.setFont(new java.awt.Font("Tahoma", 0, 17)); // NOI18N

jPasswordField1.setBorder(null);

jPasswordField1.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

jPasswordField1ActionPerformed(evt);

}

});

jLabel2.setFont(new java.awt.Font("Tahoma", 0, 14)); // NOI18N

jLabel2.setText("Account number");

jLabel3.setFont(new java.awt.Font("Tahoma", 0, 14)); // NOI18N

jLabel3.setText("Password");

jButton1.setText("Cancel");

jButton1.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

jButton1ActionPerformed(evt);

}

});

jButton2.setText("Proceed");

jButton2.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

jButton2ActionPerformed(evt);

}

});

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)

.addGroup(layout.createSequentialGroup()

.addGap(40, 40, 40)

.addGroup(layout.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(32, 32, 32)

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

.addComponent(jPasswordField1, javax.swing.GroupLayout.DEFAULT\_SIZE, 126, Short.MAX\_VALUE)

.addComponent(jTextField1, javax.swing.GroupLayout.DEFAULT\_SIZE, 126, Short.MAX\_VALUE)))

.addGroup(layout.createSequentialGroup()

.addGap(70, 70, 70)

.addComponent(jButton1, javax.swing.GroupLayout.PREFERRED\_SIZE, 84, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGap(30, 30, 30)

.addComponent(jButton2, javax.swing.GroupLayout.PREFERRED\_SIZE, 93, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addGroup(layout.createSequentialGroup()

.addGap(80, 80, 80)

.addComponent(jLabel1)))

.addGap(40, 40, 40))

);

layout.setVerticalGroup(

layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(layout.createSequentialGroup()

.addGap(45, 45, 45)

.addComponent(jLabel1)

.addGap(32, 32, 32)

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

.addComponent(jTextField1, javax.swing.GroupLayout.DEFAULT\_SIZE, 29, Short.MAX\_VALUE)

.addComponent(jLabel2, javax.swing.GroupLayout.DEFAULT\_SIZE, 29, Short.MAX\_VALUE))

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(layout.createSequentialGroup()

.addGap(21, 21, 21)

.addComponent(jLabel3, javax.swing.GroupLayout.PREFERRED\_SIZE, 29, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addGroup(javax.swing.GroupLayout.Alignment.TRAILING, layout.createSequentialGroup()

.addGap(20, 20, 20)

.addComponent(jPasswordField1, javax.swing.GroupLayout.PREFERRED\_SIZE, 29, javax.swing.GroupLayout.PREFERRED\_SIZE)))

.addGap(25, 25, 25)

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

.addComponent(jButton1, javax.swing.GroupLayout.PREFERRED\_SIZE, 34, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(jButton2, javax.swing.GroupLayout.PREFERRED\_SIZE, 34, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addGap(45, 45, 45))

);

pack();

}// </editor-fold>

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

Startpage.this.setVisible(false);

System.exit(0);

}

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

// TODO add your handling code here:

}

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

acc\_no = jTextField1.getText();

acc\_no = acc\_no.trim();

passd = jPasswordField1.getText();

Startpage.this.setVisible(false);

int in = JOptionPane.showConfirmDialog(jf, "continue to login as " + acc\_no, "Alert", JOptionPane.OK\_OPTION);

if (in == JOptionPane.OK\_OPTION) {

try {

conn = DriverManager.getConnection(dburl, "bank", "bank");

stmt = conn.createStatement();

String query = "Select password,accountnumber,status from Bank.B1 where Accountnumber='" + acc\_no + "'";

ResultSet res = stmt.executeQuery(query);

if (res.next()) {

String pass1 = res.getString("Password");

st = res.getInt("status");

if (st > 0) {

if (passd.equals(pass1)) {

new Bankservice(acc\_no).setVisible(true);

} else {

query = "update Bank.b1 set status=" + (--st) + "where accountnumber='" + acc\_no + "'";

stmt.executeUpdate(query);

chance(st);

}

} else {

chance(st);

}

} else {

JOptionPane.showMessageDialog(jf, "Enter the valid userid or password", "ERROR", JOptionPane.ERROR\_MESSAGE);

jTextField1.setText(null);

new Startpage().setVisible(true);

}

} catch (SQLException ex) {

Logger.getLogger(Startpage.class.getName()).log(Level.SEVERE, null, ex);

}

} else {

Startpage.this.setVisible(true);

}

}

public static void main(String args[]) {

if (i == 1) {

try {

conn = DriverManager.getConnection(dburl, "bank", "bank");

stmt = conn.createStatement();

String query = "update Bank.b1 set status=" + 3;

stmt.executeUpdate(query);

} catch (SQLException ex) {

Logger.getLogger(Startpage.class.getName()).log(Level.SEVERE, null, ex);

}

i = 0;

}

/\* 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(Startpage.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);

} catch (InstantiationException ex) {

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

} catch (IllegalAccessException ex) {

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

} catch (javax.swing.UnsupportedLookAndFeelException ex) {

java.util.logging.Logger.getLogger(Startpage.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 Startpage().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.JPasswordField jPasswordField1;

private javax.swing.JTextField jTextField1;

// End of variables declaration

}

1. **Bank Services.java**

package bank;

import java.sql.Connection;

import java.sql.DriverManager;

import java.sql.ResultSet;

import java.sql.SQLException;

import java.sql.Statement;

import java.util.logging.Level;

import java.util.logging.Logger;

import javax.swing.JFrame;

import javax.swing.JOptionPane;

public class Bankservice extends javax.swing.JFrame {

static final String JDBC\_DRIVER = "com.mysql.jdbc.Driver";

static String dburl = "jdbc:derby://localhost:1527/Bank";

static String pass = "password";

static String user = "username";

String acc\_no, query;

JFrame jf = new JFrame();

private void chance(int sta) {

String dis;

if (sta > 0) {

dis = "Invalid PIN\n" + sta + " available";

} else {

dis = "Sorry account blocked \nplese login after 24 hours\n";

}

JOptionPane.showMessageDialog(jf, dis, "ERROR", JOptionPane.ERROR\_MESSAGE);

Bankservice.this.setVisible(false);

new Startpage().setVisible(true);

}

public Bankservice(String acc\_no) {

this.acc\_no = acc\_no;

initComponents();

}

@SuppressWarnings("unchecked")

// <editor-fold defaultstate="collapsed" desc="Generated Code">

private void initComponents() {

jLabel1 = new javax.swing.JLabel();

jButton1 = new javax.swing.JButton();

jButton2 = new javax.swing.JButton();

jButton3 = new javax.swing.JButton();

jButton4 = new javax.swing.JButton();

jButton5 = new javax.swing.JButton();

jButton6 = new javax.swing.JButton();

jButton7 = new javax.swing.JButton();

setDefaultCloseOperation(javax.swing.WindowConstants.EXIT\_ON\_CLOSE);

setTitle("ATM Services");

jLabel1.setFont(new java.awt.Font("Tahoma", 0, 24)); // NOI18N

jLabel1.setText("ATM Services");

jButton1.setFont(new java.awt.Font("Tahoma", 0, 14)); // NOI18N

jButton1.setText("Withdraw");

jButton1.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

jButton1ActionPerformed(evt);

}

});

jButton2.setFont(new java.awt.Font("Tahoma", 0, 14)); // NOI18N

jButton2.setText("Refactor");

jButton2.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

jButton2ActionPerformed(evt);

}

});

jButton3.setFont(new java.awt.Font("Tahoma", 0, 14)); // NOI18N

jButton3.setText("Fund Transfer");

jButton3.setMaximumSize(new java.awt.Dimension(91, 25));

jButton3.setMinimumSize(new java.awt.Dimension(91, 25));

jButton3.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

jButton3ActionPerformed(evt);

}

});

jButton4.setFont(new java.awt.Font("Tahoma", 0, 14)); // NOI18N

jButton4.setText("Deposit");

jButton4.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

jButton4ActionPerformed(evt);

}

});

jButton5.setFont(new java.awt.Font("Tahoma", 0, 14)); // NOI18N

jButton5.setText("Balance Enquiry");

jButton5.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

jButton5ActionPerformed(evt);

}

});

jButton6.setFont(new java.awt.Font("Tahoma", 0, 14)); // NOI18N

jButton6.setText("Update Information");

jButton6.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

jButton6ActionPerformed(evt);

}

});

jButton7.setFont(new java.awt.Font("Tahoma", 0, 14)); // NOI18N

jButton7.setText("Cancel");

jButton7.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

jButton7ActionPerformed(evt);

}

});

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)

.addGroup(layout.createSequentialGroup()

.addGap(130, 130, 130)

.addComponent(jLabel1))

.addGroup(layout.createSequentialGroup()

.addGap(40, 40, 40)

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

.addComponent(jButton1, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addComponent(jButton2, javax.swing.GroupLayout.DEFAULT\_SIZE, 151, Short.MAX\_VALUE)

.addComponent(jButton4, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE))

.addGap(18, 18, 18)

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addComponent(jButton3, javax.swing.GroupLayout.PREFERRED\_SIZE, 151, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(jButton5, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addComponent(jButton6, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE))))

.addGap(40, 40, 40))

.addGroup(layout.createSequentialGroup()

.addGap(124, 124, 124)

.addComponent(jButton7, javax.swing.GroupLayout.PREFERRED\_SIZE, 151, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGap(125, 125, 125))

);

layout.setVerticalGroup(

layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(layout.createSequentialGroup()

.addGap(30, 30, 30)

.addComponent(jLabel1)

.addGap(20, 20, 20)

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

.addComponent(jButton1, javax.swing.GroupLayout.DEFAULT\_SIZE, 42, Short.MAX\_VALUE)

.addComponent(jButton3, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE))

.addGap(13, 13, 13)

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

.addComponent(jButton5, javax.swing.GroupLayout.DEFAULT\_SIZE, 40, Short.MAX\_VALUE)

.addComponent(jButton4, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE))

.addGap(13, 13, 13)

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

.addComponent(jButton2, javax.swing.GroupLayout.PREFERRED\_SIZE, 42, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(jButton6, javax.swing.GroupLayout.PREFERRED\_SIZE, 42, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addGap(13, 13, 13)

.addComponent(jButton7, javax.swing.GroupLayout.PREFERRED\_SIZE, 42, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGap(30, 30, 30))

);

pack();

}// </editor-fold>

private void jButton3ActionPerformed(java.awt.event.ActionEvent evt) {

Bankservice.this.setVisible(false);

new FundTransfer(acc\_no).setVisible(true);

}

private void jButton4ActionPerformed(java.awt.event.ActionEvent evt) {

Bankservice.this.setVisible(false);

new Deposit(acc\_no).setVisible(true);

}

private void jButton6ActionPerformed(java.awt.event.ActionEvent evt) {

Bankservice.this.setVisible(false);

new UpdateInformation(acc\_no).setVisible(true);

}

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

Bankservice.this.setVisible(false);

new Refactor(acc\_no).setVisible(true);

}

private void jButton7ActionPerformed(java.awt.event.ActionEvent evt) {

Bankservice.this.setVisible(false);

new Startpage().setVisible(true);

}

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

Bankservice.this.setVisible(false);

new Withdraw(acc\_no).setVisible(true);

}

private void jButton5ActionPerformed(java.awt.event.ActionEvent evt) {

try {

Connection conn = DriverManager.getConnection(dburl, "bank", "bank");

Statement stmt = conn.createStatement();

query = "Select balance,pin,status from Bank.B1 where Accountnumber='" + acc\_no + "'";

ResultSet res = stmt.executeQuery(query);

res.next();

long bal = res.getLong("BALANCE");

int pin = res.getInt("pin");

int st = res.getInt("status");

Bankservice.this.setVisible(false);

if (st > 0) {

try {

String p1 = JOptionPane.showInputDialog(jf, "enter the pin", "pin", JOptionPane.OK\_CANCEL\_OPTION);

int pin1 = Integer.parseInt(p1);

if (pin == pin1) {

String s = "The balance in account is " + bal;

new BalanceEnquiry(s, acc\_no).setVisible(true);

} else {

query = "update Bank.b1 set status=" + (--st) + "where accountnumber='" + acc\_no + "'";

stmt.executeUpdate(query);

chance(st);

}

} catch (NumberFormatException ex) {

query = "update Bank.b1 set status=" + (--st) + "where accountnumber='" + acc\_no + "'";

stmt.executeUpdate(query);

chance(st);

}

} else {

chance(st);

}

} catch (SQLException ex) {

Logger.getLogger(BalanceEnquiry.class.getName()).log(Level.SEVERE, null, ex);

}

}

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(Bankservice.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);

} catch (InstantiationException ex) {

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

} catch (IllegalAccessException ex) {

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

} catch (javax.swing.UnsupportedLookAndFeelException ex) {

java.util.logging.Logger.getLogger(Bankservice.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() {

}

});

}

// Variables declaration - do not modify

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.JLabel jLabel1;

// End of variables declaration

}

1. **Withdraw.java**

package bank;

import java.sql.Connection;

import java.sql.DriverManager;

import java.sql.ResultSet;

import java.sql.SQLException;

import java.sql.Statement;

import java.util.concurrent.TimeUnit;

import java.util.logging.Level;

import java.util.logging.Logger;

import javax.swing.JFrame;

import javax.swing.JOptionPane;

public class Withdraw extends javax.swing.JFrame {

static String dburl = "jdbc:derby://localhost:1527/Bank";

static String pass = "password";

static String user = "username";

String acc\_no;

JFrame jf = new JFrame();

private void chance(int sta) {

String dis;

if (sta == -1) {

dis = "Insufficent balance";

} else if (sta > 0) {

dis = "Invalid PIN\n" + sta + " chance available";

} else {

dis = "Sorry account blocked \nplese login after 24 hours\n";

}

JOptionPane.showMessageDialog(jf, dis, "ERROR", JOptionPane.ERROR\_MESSAGE);

jTextField1.setText(null);

Withdraw.this.setVisible(false);

new Startpage().setVisible(true);

}

public Withdraw(String acc\_no) {

this.acc\_no = acc\_no;

initComponents();

}

@SuppressWarnings("unchecked")

// <editor-fold defaultstate="collapsed" desc="Generated Code">

private void initComponents() {

jLabel1 = new javax.swing.JLabel();

jLabel2 = new javax.swing.JLabel();

jTextField1 = new javax.swing.JTextField();

jButton1 = new javax.swing.JButton();

jButton2 = new javax.swing.JButton();

setDefaultCloseOperation(javax.swing.WindowConstants.EXIT\_ON\_CLOSE);

setTitle("withdraw");

jLabel1.setFont(new java.awt.Font("Tahoma", 0, 24)); // NOI18N

jLabel1.setText("Withdraw ");

jLabel2.setFont(new java.awt.Font("Tahoma", 0, 18)); // NOI18N

jLabel2.setText("Enter the amount to withdraw");

jTextField1.setBackground(new java.awt.Color(240, 240, 240));

jTextField1.setFont(new java.awt.Font("Tahoma", 0, 24)); // NOI18N

jTextField1.setHorizontalAlignment(javax.swing.JTextField.CENTER);

jTextField1.setText(" ");

jTextField1.setBorder(null);

jTextField1.setCaretColor(new java.awt.Color(255, 255, 255));

jTextField1.setCursor(new java.awt.Cursor(java.awt.Cursor.TEXT\_CURSOR));

jTextField1.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

jTextField1ActionPerformed(evt);

}

});

jButton1.setText("Proceed");

jButton1.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

jButton1ActionPerformed(evt);

}

});

jButton2.setText("Cancel");

jButton2.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

jButton2ActionPerformed(evt);

}

});

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()

.addGap(145, 145, 145)

.addComponent(jLabel1)

.addGap(145, 145, 145))

.addGroup(layout.createSequentialGroup()

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(layout.createSequentialGroup()

.addGap(150, 150, 150)

.addComponent(jTextField1, javax.swing.GroupLayout.PREFERRED\_SIZE, 98, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addGroup(layout.createSequentialGroup()

.addGap(81, 81, 81)

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(layout.createSequentialGroup()

.addComponent(jButton2)

.addGap(87, 87, 87)

.addComponent(jButton1))

.addComponent(jLabel2))))

.addGap(81, 81, 81))

);

layout.setVerticalGroup(

layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(layout.createSequentialGroup()

.addGap(40, 40, 40)

.addComponent(jLabel1)

.addGap(30, 30, 30)

.addComponent(jLabel2)

.addGap(30, 30, 30)

.addComponent(jTextField1, javax.swing.GroupLayout.PREFERRED\_SIZE, 38, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGap(37, 37, 37)

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

.addComponent(jButton1)

.addComponent(jButton2))

.addGap(50, 50, 50))

);

pack();

}// </editor-fold>

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

new Startpage().setVisible(true);

Withdraw.this.setVisible(false);

}

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

String s1 = jTextField1.getText();

long wamt = 0, i = 0;

try {

wamt = Integer.parseInt(s1.trim());

i = 1;

} catch (NumberFormatException ex) {

JOptionPane.showMessageDialog(jf, "Please enter valid amount", "ERROR", JOptionPane.ERROR\_MESSAGE);

jTextField1.setText(null);

Withdraw.this.setVisible(true);

}

if (i == 1) {

if (wamt <= 40000) {

try {

Connection conn = DriverManager.getConnection(dburl, "bank", "bank");

Statement stmt = conn.createStatement();

String query = "Select balance,pin,status from Bank.B1 where Accountnumber='" + acc\_no + "'";

ResultSet res = stmt.executeQuery(query);

res.next();

long bal = res.getLong("BALANCE");

int pin = res.getInt("pin");

int st = res.getInt("status");

if (st > 0) {

String p1 = JOptionPane.showInputDialog(jf, "enter the pin", "pin", JOptionPane.OK\_CANCEL\_OPTION);

Withdraw.this.setVisible(false);

try {

int pin1 = Integer.parseInt(p1);

if (pin == pin1) {

if (bal >= wamt) {

bal -= wamt;

query = "update Bank.b1 set balance=" + bal + "where accountnumber='" + acc\_no + "'";

stmt.executeUpdate(query);

try {

TimeUnit.SECONDS.sleep(1);

} catch (InterruptedException ex) {

Logger.getLogger(Deposit.class.getName()).log(Level.SEVERE, null, ex);

}

JOptionPane.showMessageDialog(jf, "Collect the amount " + wamt, "Delivered", JOptionPane.PLAIN\_MESSAGE);

new Bankservice(acc\_no).setVisible(true);

} else {

chance(-1);

}

} else {

query = "update Bank.b1 set status=" + (--st) + "where accountnumber='" + acc\_no + "'";

stmt.executeUpdate(query);

chance(st);

}

} catch (NumberFormatException ex) {

query = "update Bank.b1 set status=" + (--st) + "where accountnumber='" + acc\_no + "'";

stmt.executeUpdate(query);

chance(st);

}

} else {

chance(st);

}

} catch (SQLException ex) {

Logger.getLogger(Withdraw.class.getName()).log(Level.SEVERE, null, ex);

}

} else {

JOptionPane.showMessageDialog(jf, "withdraw amount exceeded", "ERROR", JOptionPane.ERROR\_MESSAGE);

Withdraw.this.setVisible(true);

new Withdraw(acc\_no).setVisible(true);

}

}

}

private void jTextField1ActionPerformed(java.awt.event.ActionEvent evt) {

// TODO add your handling code here:

}

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);

}

//</editor-fold>

/\* Create and display the form \*/

java.awt.EventQueue.invokeLater(new Runnable() {

public void run() {

}

});

}

// 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.JTextField jTextField1;

// End of variables declaration

}

1. **Fund Transfer.java**

package bank;

import java.sql.Connection;

import java.sql.DriverManager;

import java.sql.ResultSet;

import java.sql.SQLException;

import java.sql.Statement;

import java.util.logging.Level;

import java.util.logging.Logger;

import javax.swing.JFrame;

import javax.swing.JOptionPane;

public class FundTransfer extends javax.swing.JFrame {

static String dburl = "jdbc:derby://localhost:1527/Bank";

static String pass = "password";

static String user = "username";

String acc\_no\_s, query;

JFrame jf = new JFrame();

private void chance(int sta) {

String dis;

if (sta == -1) {

dis = "Insufficent balance";

} else if (sta > 0) {

dis = "Invalid PIN\n" + sta + " chance available";

} else {

dis = "Sorry account blocked \nplese login after 24 hours\n";

}

JOptionPane.showMessageDialog(jf, dis, "ERROR", JOptionPane.ERROR\_MESSAGE);

jTextField1.setText(null);

FundTransfer.this.setVisible(false);

new Startpage().setVisible(true);

}

public FundTransfer(String acc\_no) {

this.acc\_no\_s = acc\_no;

initComponents();

}

@SuppressWarnings("unchecked")

// <editor-fold defaultstate="collapsed" desc="Generated Code">

private void initComponents() {

jLabel1 = new javax.swing.JLabel();

jLabel2 = new javax.swing.JLabel();

jButton1 = new javax.swing.JButton();

jButton2 = new javax.swing.JButton();

jLabel3 = new javax.swing.JLabel();

jLabel4 = new javax.swing.JLabel();

jLabel5 = new javax.swing.JLabel();

jLabel6 = new javax.swing.JLabel();

jTextField1 = new javax.swing.JTextField();

jTextField2 = new javax.swing.JTextField();

jTextField3 = new javax.swing.JTextField();

jTextField4 = new javax.swing.JTextField();

jLabel1.setText("jLabel1");

setDefaultCloseOperation(javax.swing.WindowConstants.EXIT\_ON\_CLOSE);

setTitle("Fund Transfer");

jLabel2.setFont(new java.awt.Font("Tahoma", 0, 24)); // NOI18N

jLabel2.setText("Fund Transfer");

jButton1.setText("Cancel");

jButton1.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

jButton1ActionPerformed(evt);

}

});

jButton2.setText("Proceed");

jButton2.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

jButton2ActionPerformed(evt);

}

});

jLabel3.setFont(new java.awt.Font("Tahoma", 0, 15)); // NOI18N

jLabel3.setText("Enter Account Number");

jLabel4.setFont(new java.awt.Font("Tahoma", 0, 15)); // NOI18N

jLabel4.setText("Enter Account Holder Name");

jLabel5.setFont(new java.awt.Font("Tahoma", 0, 15)); // NOI18N

jLabel5.setText("Enter IFSI Code");

jLabel6.setFont(new java.awt.Font("Tahoma", 0, 15)); // NOI18N

jLabel6.setText("Enter the Amount");

jTextField1.setBackground(java.awt.SystemColor.controlHighlight);

jTextField1.setFont(new java.awt.Font("Tahoma", 0, 15)); // NOI18N

jTextField1.setBorder(null);

jTextField1.setCaretColor(new java.awt.Color(255, 255, 255));

jTextField1.setCursor(new java.awt.Cursor(java.awt.Cursor.TEXT\_CURSOR));

jTextField2.setBackground(java.awt.SystemColor.controlHighlight);

jTextField2.setFont(new java.awt.Font("Tahoma", 0, 15)); // NOI18N

jTextField2.setBorder(null);

jTextField2.setCaretColor(new java.awt.Color(255, 255, 255));

jTextField2.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

jTextField2ActionPerformed(evt);

}

});

jTextField3.setBackground(java.awt.SystemColor.controlHighlight);

jTextField3.setFont(new java.awt.Font("Tahoma", 0, 15)); // NOI18N

jTextField3.setBorder(null);

jTextField3.setCaretColor(new java.awt.Color(255, 255, 255));

jTextField4.setBackground(java.awt.SystemColor.controlHighlight);

jTextField4.setFont(new java.awt.Font("Tahoma", 0, 15)); // NOI18N

jTextField4.setHorizontalAlignment(javax.swing.JTextField.LEFT);

jTextField4.setBorder(null);

jTextField4.setCaretColor(new java.awt.Color(255, 255, 255));

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()

.addGap(118, 118, 118)

.addComponent(jLabel2)

.addGap(119, 119, 119))

.addGroup(layout.createSequentialGroup()

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(layout.createSequentialGroup()

.addGap(70, 70, 70)

.addComponent(jButton1)

.addGap(100, 100, 100)

.addComponent(jButton2))

.addGroup(layout.createSequentialGroup()

.addGap(30, 30, 30)

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

.addGroup(layout.createSequentialGroup()

.addComponent(jLabel3)

.addGap(54, 54, 54)

.addComponent(jTextField1, javax.swing.GroupLayout.PREFERRED\_SIZE, 125, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addGroup(layout.createSequentialGroup()

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addComponent(jLabel4)

.addComponent(jLabel5)

.addComponent(jLabel6))

.addGap(18, 18, 18)

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addComponent(jTextField2)

.addComponent(jTextField3)

.addComponent(jTextField4))))))

.addGap(30, 30, 30))

);

layout.setVerticalGroup(

layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(layout.createSequentialGroup()

.addGap(40, 40, 40)

.addComponent(jLabel2)

.addGap(25, 25, 25)

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

.addComponent(jLabel3)

.addComponent(jTextField1, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addGap(25, 25, 25)

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

.addComponent(jLabel4)

.addComponent(jTextField2, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addGap(25, 25, 25)

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

.addComponent(jLabel5)

.addComponent(jTextField3, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addGap(25, 25, 25)

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

.addComponent(jLabel6)

.addComponent(jTextField4, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addGap(25, 25, 25)

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

.addComponent(jButton1)

.addComponent(jButton2))

.addGap(40, 40, 40))

);

pack();

}// </editor-fold>

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

String acc\_no\_r = jTextField1.getText();

String acc\_name = jTextField2.getText();

String ifsi = jTextField3.getText();

String amount = jTextField4.getText();

int amt = 0, i = 0;

try {

amt = Integer.parseInt(amount);

i = 1;

} catch (NumberFormatException ex) {

JOptionPane.showMessageDialog(jf, "Please enter valid amount", "ERROR", JOptionPane.ERROR\_MESSAGE);

jTextField1.setText(null);

jTextField2.setText(null);

jTextField3.setText(null);

jTextField4.setText(null);

FundTransfer.this.setVisible(true);

}

if (i == 1) {

try {

Connection conn = DriverManager.getConnection(dburl, "bank", "bank");

Statement stmt = conn.createStatement();

String q1 = "Select balance,pin,status from Bank.B1 where Accountnumber='" + acc\_no\_s + "'";

ResultSet res = stmt.executeQuery(q1);

res.next();

long bal1 = res.getLong("BALANCE");

int pin = res.getInt("pin");

int st = res.getInt("status");

String q2 = "Select accountnumber,ifsi,name,balance from Bank.B1 where Accountnumber='" + acc\_no\_r + "'";

res = stmt.executeQuery(q2);

FundTransfer.this.setVisible(false);

if (res.next()) {

String accnoo = res.getString("accountnumber");

String accnam = res.getString("name");

String ifsin = res.getString("ifsi");

long bal2 = res.getLong("BALANCE");

if (!acc\_no\_r.equals(acc\_no\_s)) {

if (acc\_no\_r.equals(accnoo) && acc\_name.equals(accnam) && ifsi.equals(ifsin)) {

if (st > 0) {

String p1 = JOptionPane.showInputDialog(jf, "enter the pin", "pin", JOptionPane.OK\_CANCEL\_OPTION);

try {

int pin1 = Integer.parseInt(p1);

if (pin == pin1) {

if (bal1 >= amt) {

bal1 -= amt;

bal2 += amt;

String q3 = "update Bank.b1 set balance=" + bal1 + "where accountnumber='" + acc\_no\_s + "'";

stmt.executeUpdate(q3);

String q4 = "update Bank.b1 set balance=" + bal2 + "where accountnumber='" + acc\_no\_r + "'";

stmt.executeUpdate(q4);

JOptionPane.showMessageDialog(jf, "Amount " + amt + "Transfered sucessfully", "Status", JOptionPane.PLAIN\_MESSAGE);

new Bankservice(acc\_no\_s).setVisible(true);

} else {

chance(-1);

}

} else {

query = "update Bank.b1 set status=" + (--st) + "where accountnumber='" + acc\_no\_s + "'";

stmt.executeUpdate(query);

chance(st);

}

} catch (NumberFormatException ex) {

query = "update Bank.b1 set status=" + (--st) + "where accountnumber='" + acc\_no\_s + "'";

stmt.executeUpdate(query);

chance(st);

}

} else {

chance(st);

}

} else {

JOptionPane.showMessageDialog(jf, "Please enter the valid Account Details", "ERROR", JOptionPane.ERROR\_MESSAGE);

new Startpage().setVisible(true);

}

} else {

JOptionPane.showMessageDialog(jf, "No Self transation", "ERROR", JOptionPane.ERROR\_MESSAGE);

new Startpage().setVisible(true);

}

} else {

JOptionPane.showMessageDialog(jf, "Please enter the valid Account Details", "ERROR", JOptionPane.ERROR\_MESSAGE);

new Startpage().setVisible(true);

}

} catch (SQLException ex) {

Logger.getLogger(Withdraw.class.getName()).log(Level.SEVERE, null, ex);

}

}

}

private void jTextField2ActionPerformed(java.awt.event.ActionEvent evt) {

// TODO add your handling code here:

}

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

new Startpage().setVisible(true);

FundTransfer.this.setVisible(false);

}

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(FundTransfer.class

.getName()).log(java.util.logging.Level.SEVERE, null, ex);

} catch (InstantiationException ex) {

java.util.logging.Logger.getLogger(FundTransfer.class

.getName()).log(java.util.logging.Level.SEVERE, null, ex);

} catch (IllegalAccessException ex) {

java.util.logging.Logger.getLogger(FundTransfer.class

.getName()).log(java.util.logging.Level.SEVERE, null, ex);

} catch (javax.swing.UnsupportedLookAndFeelException ex) {

java.util.logging.Logger.getLogger(FundTransfer.class

.getName()).log(java.util.logging.Level.SEVERE, null, ex);

}

//</editor-fold>

java.awt.EventQueue.invokeLater(new Runnable() {

public void run() {

}

});

}

// 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.JLabel jLabel4;

private javax.swing.JLabel jLabel5;

private javax.swing.JLabel jLabel6;

private javax.swing.JTextField jTextField1;

private javax.swing.JTextField jTextField2;

private javax.swing.JTextField jTextField3;

private javax.swing.JTextField jTextField4;

// End of variables declaration

}

1. **Deposit.java**

package bank;

import java.sql.Connection;

import java.sql.DriverManager;

import java.sql.ResultSet;

import java.sql.SQLException;

import java.sql.Statement;

import java.util.concurrent.TimeUnit;

import java.util.logging.Level;

import java.util.logging.Logger;

import javax.swing.JFrame;

import javax.swing.JOptionPane;

public class Deposit extends javax.swing.JFrame {

static String dburl = "jdbc:derby://localhost:1527/Bank";

static String pass = "password";

static String user = "username";

String acc\_no;

JFrame jf = new JFrame();

private void chance(int sta) {

String dis;

if (sta > 0) {

dis = "Invalid PIN\n" + sta + " chance available";

} else {

dis = "Sorry account blocked \nplese login after 24 hours\n";

}

JOptionPane.showMessageDialog(jf, dis, "ERROR", JOptionPane.ERROR\_MESSAGE);

jTextField1.setText(null);

Deposit.this.setVisible(false);

new Startpage().setVisible(true);

}

public Deposit(String acc\_no) {

this.acc\_no = acc\_no;

initComponents();

jLabel2.setText("Enter amount to deposit");

jButton3.setEnabled(false);

}

@SuppressWarnings("unchecked")

// <editor-fold defaultstate="collapsed" desc="Generated Code">

private void initComponents() {

jLabel1 = new javax.swing.JLabel();

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();

setDefaultCloseOperation(javax.swing.WindowConstants.EXIT\_ON\_CLOSE);

setTitle("Deposit");

jLabel1.setFont(new java.awt.Font("Tahoma", 0, 24)); // NOI18N

jLabel1.setText("DEPOSIT");

jLabel2.setFont(new java.awt.Font("Tahoma", 0, 18)); // NOI18N

jLabel2.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);

jTextField1.setBackground(new java.awt.Color(240, 240, 240));

jTextField1.setFont(new java.awt.Font("Tahoma", 0, 24)); // NOI18N

jTextField1.setHorizontalAlignment(javax.swing.JTextField.CENTER);

jTextField1.setBorder(null);

jTextField1.setCaretColor(new java.awt.Color(255, 255, 255));

jTextField1.setCursor(new java.awt.Cursor(java.awt.Cursor.HAND\_CURSOR));

jButton1.setText("Cancel");

jButton1.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

jButton1ActionPerformed(evt);

}

});

jButton2.setText("Validate");

jButton2.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

jButton2ActionPerformed(evt);

}

});

jButton3.setText("Proceed");

jButton3.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

jButton3ActionPerformed(evt);

}

});

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(50, 50, 50)

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addComponent(jLabel2, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addGroup(layout.createSequentialGroup()

.addComponent(jButton1)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addComponent(jButton2)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addComponent(jButton3)))

.addGap(50, 50, 50))

.addGroup(javax.swing.GroupLayout.Alignment.TRAILING, layout.createSequentialGroup()

.addGap(99, 99, 99)

.addComponent(jTextField1, javax.swing.GroupLayout.PREFERRED\_SIZE, 150, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGap(100, 100, 100))

.addGroup(layout.createSequentialGroup()

.addGap(127, 127, 127)

.addComponent(jLabel1)

.addGap(127, 127, 127))

);

layout.setVerticalGroup(

layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(layout.createSequentialGroup()

.addGap(41, 41, 41)

.addComponent(jLabel1)

.addGap(34, 34, 34)

.addComponent(jLabel2, javax.swing.GroupLayout.PREFERRED\_SIZE, 31, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGap(35, 35, 35)

.addComponent(jTextField1, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGap(35, 35, 35)

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

.addComponent(jButton1)

.addComponent(jButton2)

.addComponent(jButton3))

.addGap(40, 40, 40))

);

pack();

}// </editor-fold>

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

new Startpage().setVisible(true);

Deposit.this.setVisible(false);

}

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

String amount = jTextField1.getText();

try {

int amt = Integer.parseInt(amount);

try {

TimeUnit.SECONDS.sleep(2);

} catch (InterruptedException ex) {

Logger.getLogger(Deposit.class.getName()).log(Level.SEVERE, null, ex);

}

jLabel2.setText("Amount to deposit");

jTextField1.setEditable(false);

jButton2.setVisible(false);

jButton3.setEnabled(true);

} catch (NumberFormatException ex) {

JOptionPane.showMessageDialog(jf, "Please enter valid amount", "ERROR", JOptionPane.ERROR\_MESSAGE);

jTextField1.setText(null);

Deposit.this.setVisible(true);

}

}

private void jButton3ActionPerformed(java.awt.event.ActionEvent evt) {

try {

String amount = jTextField1.getText();

int amt = Integer.parseInt(amount);

Connection conn = DriverManager.getConnection(dburl, "bank", "bank");

Statement stmt = conn.createStatement();

String query = "Select balance,pin,status from Bank.B1 where Accountnumber='" + acc\_no + "'";

ResultSet res = stmt.executeQuery(query);

res.next();

long bal = res.getLong("BALANCE");

int pin = res.getInt("pin");

int st = res.getInt("status");

if (st > 0) {

String p1 = JOptionPane.showInputDialog(jf, "enter the pin", "pin", JOptionPane.OK\_CANCEL\_OPTION);

Deposit.this.setVisible(false);

try {

int pin1 = Integer.parseInt(p1);

if (pin == pin1) {

bal += amt;

query = "update Bank.b1 set balance=" + bal + "where accountnumber='" + acc\_no + "'";

stmt.executeUpdate(query);

JOptionPane.showMessageDialog(jf, "Amount credited " + amt, "sucessfull", JOptionPane.PLAIN\_MESSAGE);

new Bankservice(acc\_no).setVisible(true);

} else {

query = "update Bank.b1 set status=" + (--st) + "where accountnumber='" + acc\_no + "'";

stmt.executeUpdate(query);

chance(st);

}

} catch (NumberFormatException ex) {

query = "update Bank.b1 set status=" + (--st) + "where accountnumber='" + acc\_no + "'";

stmt.executeUpdate(query);

chance(st);

}

} else {

chance(st);

}

} catch (SQLException ex) {

Logger.getLogger(Withdraw.class.getName()).log(Level.SEVERE, null, ex);

}

}

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() {

}

});

}

// 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.JTextField jTextField1;

// End of variables declaration

}

1. **Balance Enquiry.java**

package bank;

public class BalanceEnquiry extends javax.swing.JFrame {

static String s,acc\_no;

public BalanceEnquiry(String s,String acc\_no) {

BalanceEnquiry.acc\_no=acc\_no;

BalanceEnquiry.s = s;

initComponents();

jTextField1.setText(s);

}

@SuppressWarnings("unchecked")

// <editor-fold defaultstate="collapsed" desc="Generated Code">

private void initComponents() {

jLabel1 = new javax.swing.JLabel();

jButton1 = new javax.swing.JButton();

jTextField1 = new javax.swing.JTextField();

setDefaultCloseOperation(javax.swing.WindowConstants.EXIT\_ON\_CLOSE);

setTitle("Balance Enquiry");

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

jLabel1.setFont(new java.awt.Font("Tahoma", 0, 24)); // NOI18N

jLabel1.setText("BALANCE ENQUIRY");

jButton1.setText("OK");

jButton1.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

jButton1ActionPerformed(evt);

}

});

jTextField1.setEditable(false);

jTextField1.setBackground(new java.awt.Color(205, 205, 205));

jTextField1.setFont(new java.awt.Font("Tahoma", 0, 14)); // NOI18N

jTextField1.setHorizontalAlignment(javax.swing.JTextField.CENTER);

jTextField1.setBorder(null);

jTextField1.setMinimumSize(new java.awt.Dimension(0, 16));

jTextField1.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

jTextField1ActionPerformed(evt);

}

});

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)

.addGroup(layout.createSequentialGroup()

.addGap(100, 100, 100)

.addComponent(jLabel1))

.addGroup(layout.createSequentialGroup()

.addGap(158, 158, 158)

.addComponent(jButton1, javax.swing.GroupLayout.PREFERRED\_SIZE, 91, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addGroup(layout.createSequentialGroup()

.addGap(67, 67, 67)

.addComponent(jTextField1, javax.swing.GroupLayout.PREFERRED\_SIZE, 271, javax.swing.GroupLayout.PREFERRED\_SIZE)))

.addGap(67, 67, 67))

);

layout.setVerticalGroup(

layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(layout.createSequentialGroup()

.addGap(40, 40, 40)

.addComponent(jLabel1)

.addGap(40, 40, 40)

.addComponent(jTextField1, javax.swing.GroupLayout.PREFERRED\_SIZE, 53, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGap(30, 30, 30)

.addComponent(jButton1, javax.swing.GroupLayout.PREFERRED\_SIZE, 37, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGap(40, 40, 40))

);

pack();

}// </editor-fold>

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

BalanceEnquiry.this.setVisible(false);

new Bankservice((acc\_no)).setVisible(true);

}

private void jTextField1ActionPerformed(java.awt.event.ActionEvent evt) {

}

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(BalanceEnquiry.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);

} catch (InstantiationException ex) {

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

} catch (IllegalAccessException ex) {

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

} catch (javax.swing.UnsupportedLookAndFeelException ex) {

java.util.logging.Logger.getLogger(BalanceEnquiry.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() {

}

});

}

// Variables declaration - do not modify

private javax.swing.JButton jButton1;

private javax.swing.JLabel jLabel1;

private javax.swing.JTextField jTextField1;

// End of variables declaration

}

1. **Refactor.java**

package bank;

public class Refactor extends javax.swing.JFrame {

String acc\_no;

public Refactor(String acc\_no) {

this.acc\_no = acc\_no;

initComponents();

}

@SuppressWarnings("unchecked")

// <editor-fold defaultstate="collapsed" desc="Generated Code">

private void initComponents() {

jLabel1 = new javax.swing.JLabel();

jButton1 = new javax.swing.JButton();

jButton2 = new javax.swing.JButton();

jButton3 = new javax.swing.JButton();

jLabel3 = new javax.swing.JLabel();

setDefaultCloseOperation(javax.swing.WindowConstants.EXIT\_ON\_CLOSE);

setTitle("Refactor");

jLabel1.setFont(new java.awt.Font("Tahoma", 0, 18)); // NOI18N

jLabel1.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);

jLabel1.setText("Do you need to change pin or password");

jButton1.setText("Change PIN");

jButton1.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

jButton1ActionPerformed(evt);

}

});

jButton2.setText("Change Password");

jButton2.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

jButton2ActionPerformed(evt);

}

});

jButton3.setText("Cancel");

jButton3.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

jButton3ActionPerformed(evt);

}

});

jLabel3.setFont(new java.awt.Font("Tahoma", 0, 24)); // NOI18N

jLabel3.setText("REFACTOR");

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(24, 24, 24)

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

.addGroup(layout.createSequentialGroup()

.addComponent(jButton1, javax.swing.GroupLayout.PREFERRED\_SIZE, 135, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGap(47, 47, 47)

.addComponent(jButton2, javax.swing.GroupLayout.PREFERRED\_SIZE, 135, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addComponent(jLabel1))

.addGap(24, 24, 24))

.addGroup(javax.swing.GroupLayout.Alignment.TRAILING, layout.createSequentialGroup()

.addComponent(jLabel3)

.addGap(124, 124, 124))

.addGroup(javax.swing.GroupLayout.Alignment.TRAILING, layout.createSequentialGroup()

.addComponent(jButton3, javax.swing.GroupLayout.PREFERRED\_SIZE, 135, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGap(115, 115, 115))

);

layout.setVerticalGroup(

layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(layout.createSequentialGroup()

.addGap(35, 35, 35)

.addComponent(jLabel3)

.addGap(30, 30, 30)

.addComponent(jLabel1)

.addGap(30, 30, 30)

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

.addComponent(jButton1, javax.swing.GroupLayout.PREFERRED\_SIZE, 38, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(jButton2, javax.swing.GroupLayout.PREFERRED\_SIZE, 38, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addGap(25, 25, 25)

.addComponent(jButton3, javax.swing.GroupLayout.PREFERRED\_SIZE, 38, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGap(35, 35, 35))

);

pack();

}// </editor-fold>

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

Refactor.this.setVisible(false);

new Changepass(acc\_no).setVisible(true);

}

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

Refactor.this.setVisible(false);

new Changepin(acc\_no).setVisible(true);

}

private void jButton3ActionPerformed(java.awt.event.ActionEvent evt) {

Refactor.this.setVisible(false);

new Startpage().setVisible(true);

}

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(Refactor.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);

} catch (InstantiationException ex) {

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

} catch (IllegalAccessException ex) {

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

} catch (javax.swing.UnsupportedLookAndFeelException ex) {

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

}

//</editor-fold>

//</editor-fold>

/\* Create and display the form \*/

java.awt.EventQueue.invokeLater(new Runnable() {

public void run() {

}

});

}

// 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 jLabel3;

// End of variables declaration

}

1. **Changepin.java**

package bank;

import java.sql.Connection;

import java.sql.DriverManager;

import java.sql.ResultSet;

import java.sql.SQLException;

import java.sql.Statement;

import java.util.logging.Level;

import java.util.logging.Logger;

import javax.swing.JFrame;

import javax.swing.JOptionPane;

public class Changepin extends javax.swing.JFrame {

static final String JDBC\_DRIVER = "com.mysql.jdbc.Driver";

static String dburl = "jdbc:derby://localhost:1527/Bank";

static String pass = "password";

static String user = "username";

static Connection conn = null;

static Statement stmt = null;

String acc\_no, s, query;

int i = 0;

JFrame jf = new JFrame();

private void clean(String str) {

jPasswordField1.setText(null);

jPasswordField2.setText(null);

jPasswordField3.setText(null);

JOptionPane.showMessageDialog(jf, str, "ERROR", JOptionPane.ERROR\_MESSAGE);

Changepin.this.setVisible(true);

}

private void chance(int sta, String s) {

String dis;

if (sta > 0) {

dis = s + "\n" + sta + " chance available";

} else {

dis = "Sorry account blocked \nplese login after 24 hours\n";

}

JOptionPane.showMessageDialog(jf, dis, "ERROR", JOptionPane.ERROR\_MESSAGE);

jPasswordField1.setText(null);

jPasswordField2.setText(null);

jPasswordField3.setText(null);

Changepin.this.setVisible(false);

new Startpage().setVisible(true);

}

public Changepin(String acc\_no) {

this.acc\_no = acc\_no;

initComponents();

}

@SuppressWarnings("unchecked")

// <editor-fold defaultstate="collapsed" desc="Generated Code">

private void initComponents() {

jLabel1 = new javax.swing.JLabel();

jLabel2 = new javax.swing.JLabel();

jLabel3 = new javax.swing.JLabel();

jLabel4 = new javax.swing.JLabel();

jPasswordField1 = new javax.swing.JPasswordField();

jPasswordField2 = new javax.swing.JPasswordField();

jPasswordField3 = new javax.swing.JPasswordField();

jButton1 = new javax.swing.JButton();

jButton2 = new javax.swing.JButton();

setDefaultCloseOperation(javax.swing.WindowConstants.EXIT\_ON\_CLOSE);

setTitle("Change pin");

jLabel1.setFont(new java.awt.Font("Tahoma", 0, 24)); // NOI18N

jLabel1.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);

jLabel1.setText("PIN REFACTOR");

jLabel1.setCursor(new java.awt.Cursor(java.awt.Cursor.DEFAULT\_CURSOR));

jLabel1.setHorizontalTextPosition(javax.swing.SwingConstants.CENTER);

jLabel2.setFont(new java.awt.Font("Tahoma", 0, 18)); // NOI18N

jLabel2.setText("Current PIN");

jLabel3.setFont(new java.awt.Font("Tahoma", 0, 18)); // NOI18N

jLabel3.setText("New PIN");

jLabel4.setFont(new java.awt.Font("Tahoma", 0, 18)); // NOI18N

jLabel4.setText("Re-Enter PIN");

jPasswordField1.setBackground(new java.awt.Color(240, 240, 240));

jPasswordField1.setFont(new java.awt.Font("Tahoma", 0, 18)); // NOI18N

jPasswordField1.setBorder(null);

jPasswordField1.setCaretColor(new java.awt.Color(255, 255, 255));

jPasswordField2.setBackground(new java.awt.Color(240, 240, 240));

jPasswordField2.setFont(new java.awt.Font("Tahoma", 0, 18)); // NOI18N

jPasswordField2.setBorder(null);

jPasswordField2.setCaretColor(new java.awt.Color(255, 255, 255));

jPasswordField3.setBackground(new java.awt.Color(240, 240, 240));

jPasswordField3.setFont(new java.awt.Font("Tahoma", 0, 18)); // NOI18N

jPasswordField3.setBorder(null);

jPasswordField3.setCaretColor(new java.awt.Color(255, 255, 255));

jPasswordField3.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

jPasswordField3ActionPerformed(evt);

}

});

jButton1.setText("Cancel");

jButton1.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

jButton1ActionPerformed(evt);

}

});

jButton2.setText("Proceed");

jButton2.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

jButton2ActionPerformed(evt);

}

});

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)

.addGroup(layout.createSequentialGroup()

.addGap(55, 55, 55)

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

.addGroup(layout.createSequentialGroup()

.addComponent(jButton1, javax.swing.GroupLayout.PREFERRED\_SIZE, 100, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGap(50, 50, 50)

.addComponent(jButton2, javax.swing.GroupLayout.PREFERRED\_SIZE, 100, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addComponent(jPasswordField3, javax.swing.GroupLayout.Alignment.TRAILING, javax.swing.GroupLayout.PREFERRED\_SIZE, 120, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGroup(layout.createSequentialGroup()

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

.addComponent(jLabel2, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addComponent(jLabel3, javax.swing.GroupLayout.Alignment.LEADING, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addComponent(jLabel4, javax.swing.GroupLayout.Alignment.LEADING, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE))

.addGap(27, 27, 27)

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addComponent(jPasswordField2)

.addComponent(jPasswordField1, javax.swing.GroupLayout.Alignment.TRAILING, javax.swing.GroupLayout.PREFERRED\_SIZE, 120, javax.swing.GroupLayout.PREFERRED\_SIZE)))))

.addGroup(layout.createSequentialGroup()

.addGap(100, 100, 100)

.addComponent(jLabel1)))

.addGap(55, 55, 55))

);

layout.setVerticalGroup(

layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(layout.createSequentialGroup()

.addGap(40, 40, 40)

.addComponent(jLabel1)

.addGap(20, 20, 20)

.addGroup(layout.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(20, 20, 20)

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

.addComponent(jPasswordField2, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(jLabel3))

.addGap(20, 20, 20)

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

.addComponent(jPasswordField3, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(jLabel4))

.addGap(25, 25, 25)

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

.addComponent(jButton2, javax.swing.GroupLayout.PREFERRED\_SIZE, 36, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(jButton1, javax.swing.GroupLayout.PREFERRED\_SIZE, 36, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addGap(40, 40, 40))

);

pack();

}// </editor-fold>

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

String cpin1 = jPasswordField1.getText();

String npin1 = jPasswordField2.getText();

String rpin1 = jPasswordField3.getText();

if (cpin1.length() != 4) {

clean("invalid PIN size");

} else if (npin1.length() != 4) {

clean("invalid PIN size");

} else if (rpin1.length() != 4) {

clean("invalid PIN size");

} else {

int cpin2 = 0, npin2 = 0, rpin2 = 0;

try {

cpin2 = Integer.parseInt(cpin1);

npin2 = Integer.parseInt(npin1);

rpin2 = Integer.parseInt(rpin1);

i = 1;

} catch (NumberFormatException ex) {

clean("invalid PIN Format");

}

if (i != 0) {

try {

conn = DriverManager.getConnection(dburl, "bank", "bank");

stmt = conn.createStatement();

String q1 = "Select pin,password,status from Bank.B1 where Accountnumber='" + acc\_no + "'";

ResultSet res = stmt.executeQuery(q1);

res.next();

int cpin3 = res.getInt("pin");

String pass1 = res.getString("password");

int st = res.getInt("status");

if (st > 0) {

if (cpin2 == cpin3) {

if (npin2 == rpin2) {

String p1 = JOptionPane.showInputDialog(jf, "enter the password", "password", JOptionPane.OK\_CANCEL\_OPTION);

if (pass1.equals(p1)) {

String q2 = "update Bank.b1 set pin=" + rpin2 + "where accountnumber='" + acc\_no + "'";

stmt.executeUpdate(q2);

JOptionPane.showMessageDialog(jf, "PIN changed sucessfully", "sucessfull", JOptionPane.PLAIN\_MESSAGE);

new Bankservice(acc\_no).setVisible(true);

Changepin.this.setVisible(false);

} else {

query = "update Bank.b1 set status=" + (--st) + "where accountnumber='" + acc\_no + "'";

stmt.executeUpdate(query);

Changepin.this.setVisible(false);

chance(st, "Authentication Failed \nInvalid Password\n");

}

} else {

clean("PIN Mismatch");

}

} else {

query = "update Bank.b1 set status=" + (--st) + "where accountnumber='" + acc\_no + "'";

stmt.executeUpdate(query);

chance(st, "Authentication Failed \nInvalid current pin\n");

}

} else {

chance(st, null);

}

} catch (SQLException ex) {

Logger.getLogger(Changepin.class.getName()).log(Level.SEVERE, null, ex);

}

}

}

}

private void jPasswordField3ActionPerformed(java.awt.event.ActionEvent evt) {

// TODO add your handling code here:

}

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

Changepin.this.setVisible(false);

new Startpage().setVisible(true);

}

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(Changepin.class

.getName()).log(java.util.logging.Level.SEVERE, null, ex);

} catch (InstantiationException ex) {

java.util.logging.Logger.getLogger(Changepin.class

.getName()).log(java.util.logging.Level.SEVERE, null, ex);

} catch (IllegalAccessException ex) {

java.util.logging.Logger.getLogger(Changepin.class

.getName()).log(java.util.logging.Level.SEVERE, null, ex);

} catch (javax.swing.UnsupportedLookAndFeelException ex) {

java.util.logging.Logger.getLogger(Changepin.class

.getName()).log(java.util.logging.Level.SEVERE, null, ex);

}

//</editor-fold>

//</editor-fold>

/\* Create and display the form \*/

java.awt.EventQueue.invokeLater(new Runnable() {

public void run() {

}

});

}

// 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.JLabel jLabel4;

private javax.swing.JPasswordField jPasswordField1;

private javax.swing.JPasswordField jPasswordField2;

private javax.swing.JPasswordField jPasswordField3;

// End of variables declaration

}

1. **Changepass.java**

package bank;

import static bank.Changepin.stmt;

import java.sql.Connection;

import java.sql.DriverManager;

import java.sql.ResultSet;

import java.sql.SQLException;

import java.sql.Statement;

import java.util.logging.Level;

import java.util.logging.Logger;

import javax.swing.JFrame;

import javax.swing.JOptionPane;

public class Changepass extends javax.swing.JFrame {

static final String JDBC\_DRIVER = "com.mysql.jdbc.Driver";

static String dburl = "jdbc:derby://localhost:1527/Bank";

static String pass = "password";

static String user = "username";

static Connection conn = null;

static Statement stmt = null;

String acc\_no, s, query;

int i = 1;

JFrame jf = new JFrame();

private void clean() {

jPasswordField1.setText(null);

jPasswordField2.setText(null);

jPasswordField3.setText(null);

}

private void clean(String str) {

clean();

JOptionPane.showMessageDialog(jf, str, "ERROR", JOptionPane.ERROR\_MESSAGE);

Changepass.this.setVisible(true);

}

private void chance(int sta, String s) {

String dis;

if (sta > 0) {

dis = s + "\n" + sta + " chance available";

} else {

dis = "Sorry account blocked \nplese login after 24 hours\n";

}

JOptionPane.showMessageDialog(jf, dis, "ERROR", JOptionPane.ERROR\_MESSAGE);

clean();

Changepass.this.setVisible(false);

new Startpage().setVisible(true);

}

/\*private void clear() {

jPasswordField1.setText(null);

jPasswordField2.setText(null);

jPasswordField3.setText(null);

}

private void chance(int i, String st) {

clear();

if (i < 2) {

JOptionPane.showMessageDialog(jf, st + "\n1 chance available", "ERROR", JOptionPane.ERROR\_MESSAGE);

Changepass.this.setVisible(true);

} else {

JOptionPane.showMessageDialog(jf, st + " \nno chances", "ERROR", JOptionPane.ERROR\_MESSAGE);

Changepass.this.setVisible(false);

new Startpage().setVisible(true);

}

}\*/

public Changepass(String acc\_no) {

this.acc\_no = acc\_no;

initComponents();

}

@SuppressWarnings("unchecked")

// <editor-fold defaultstate="collapsed" desc="Generated Code">

private void initComponents() {

jLabel1 = new javax.swing.JLabel();

jLabel2 = new javax.swing.JLabel();

jLabel3 = new javax.swing.JLabel();

jLabel4 = new javax.swing.JLabel();

jPasswordField1 = new javax.swing.JPasswordField();

jPasswordField2 = new javax.swing.JPasswordField();

jPasswordField3 = new javax.swing.JPasswordField();

jButton1 = new javax.swing.JButton();

jButton2 = new javax.swing.JButton();

setDefaultCloseOperation(javax.swing.WindowConstants.EXIT\_ON\_CLOSE);

setTitle("Password Refactor");

setCursor(new java.awt.Cursor(java.awt.Cursor.DEFAULT\_CURSOR));

jLabel1.setFont(new java.awt.Font("Tahoma", 0, 24)); // NOI18N

jLabel1.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);

jLabel1.setText("PASSWORD Refactor");

jLabel2.setFont(new java.awt.Font("Tahoma", 0, 18)); // NOI18N

jLabel2.setText("Current Password");

jLabel3.setFont(new java.awt.Font("Tahoma", 0, 18)); // NOI18N

jLabel3.setText("New Password");

jLabel4.setFont(new java.awt.Font("Tahoma", 0, 18)); // NOI18N

jLabel4.setText("RE-Enter Password");

jPasswordField1.setBackground(java.awt.SystemColor.controlHighlight);

jPasswordField1.setFont(new java.awt.Font("Tahoma", 0, 18)); // NOI18N

jPasswordField1.setBorder(null);

jPasswordField1.setCaretColor(new java.awt.Color(255, 255, 255));

jPasswordField1.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

jPasswordField1ActionPerformed(evt);

}

});

jPasswordField2.setBackground(java.awt.SystemColor.controlHighlight);

jPasswordField2.setFont(new java.awt.Font("Tahoma", 0, 18)); // NOI18N

jPasswordField2.setBorder(null);

jPasswordField2.setCaretColor(new java.awt.Color(255, 255, 255));

jPasswordField3.setBackground(java.awt.SystemColor.controlHighlight);

jPasswordField3.setFont(new java.awt.Font("Tahoma", 0, 18)); // NOI18N

jPasswordField3.setBorder(null);

jPasswordField3.setCaretColor(new java.awt.Color(255, 255, 255));

jButton1.setText("Cancel");

jButton1.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

jButton1ActionPerformed(evt);

}

});

jButton2.setText("Proceed");

jButton2.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

jButton2ActionPerformed(evt);

}

});

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()

.addGap(85, 85, 85)

.addComponent(jLabel1)

.addGap(85, 85, 85))

.addGroup(layout.createSequentialGroup()

.addGap(25, 25, 25)

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

.addGroup(layout.createSequentialGroup()

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addComponent(jLabel3, javax.swing.GroupLayout.PREFERRED\_SIZE, 149, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(jLabel2, javax.swing.GroupLayout.PREFERRED\_SIZE, 149, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(jLabel4))

.addGap(18, 18, 18)

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

.addComponent(jPasswordField1, javax.swing.GroupLayout.DEFAULT\_SIZE, 175, Short.MAX\_VALUE)

.addComponent(jPasswordField2)

.addComponent(jPasswordField3)))

.addGroup(layout.createSequentialGroup()

.addGap(30, 30, 30)

.addComponent(jButton1, javax.swing.GroupLayout.PREFERRED\_SIZE, 108, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGap(66, 66, 66)

.addComponent(jButton2, javax.swing.GroupLayout.PREFERRED\_SIZE, 108, javax.swing.GroupLayout.PREFERRED\_SIZE)))

.addGap(25, 25, 25))

);

layout.setVerticalGroup(

layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(layout.createSequentialGroup()

.addGap(40, 40, 40)

.addComponent(jLabel1)

.addGap(25, 25, 25)

.addGroup(layout.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(25, 25, 25)

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

.addComponent(jLabel3)

.addComponent(jPasswordField2, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addGap(25, 25, 25)

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

.addComponent(jLabel4)

.addComponent(jPasswordField3, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addGap(31, 31, 31)

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

.addComponent(jButton2, javax.swing.GroupLayout.PREFERRED\_SIZE, 36, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(jButton1, javax.swing.GroupLayout.PREFERRED\_SIZE, 36, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addGap(40, 40, 40))

);

pack();

}// </editor-fold>

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

// TODO add your handling code here:

}

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

String cpass1 = jPasswordField1.getText();

String npass1 = jPasswordField2.getText();

String rpass1 = jPasswordField3.getText();

if (cpass1.length() > 15) {

clean("invalid Password size \nSize is should not to more than 15");

} else if (npass1.length() > 15) {

clean("invalid Password size \nSize is should not to more than 15");

} else if (rpass1.length() > 15) {

clean("invalid Password size \nSize is should not to more than 15");

} else {

try {

conn = DriverManager.getConnection(dburl, "bank", "bank");

stmt = conn.createStatement();

String q1 = "Select password,pin,status from Bank.B1 where Accountnumber='" + acc\_no + "'";

ResultSet res = stmt.executeQuery(q1);

res.next();

String cpass2 = res.getString("password");

int pin = res.getInt("pin");

int st = res.getInt("status");

if (st > 0) {

if (cpass1.equals(cpass2)) {

if (npass1.equals(rpass1)) {

if (npass1.length() < 10) {

int in = JOptionPane.showConfirmDialog(jf, "Password weak \nNeed to continue", "Alert", JOptionPane.OK\_OPTION);

if (in != JOptionPane.OK\_OPTION) {

clean();

Changepass.this.setVisible(true);

} else {

if (rpass1.matches("((?=.\*\\d)(?=.\*[a-z])(?=.\*[A-Z])(?=.\*[~!@#$%^&\*\\(\\)\_+\\{\\}\\[\\]\\?<>|\_]).{4,15})")) {

Changepass.this.setVisible(false);

String p1 = JOptionPane.showInputDialog(jf, "enter the pin", "pin", JOptionPane.OK\_CANCEL\_OPTION);

try {

int pin1 = Integer.parseInt(p1);

if (pin == pin1) {

String q2 = "update Bank.b1 set password='" + rpass1 + "' where accountnumber='" + acc\_no + "'";

stmt.executeUpdate(q2);

JOptionPane.showMessageDialog(jf, "Password changed sucessfully", "sucessfull", JOptionPane.PLAIN\_MESSAGE);

new Bankservice(acc\_no).setVisible(true);

} else {

query = "update Bank.b1 set status=" + (--st) + "where accountnumber='" + acc\_no + "'";

stmt.executeUpdate(query);

chance(st, "Authentication Failed \nInvalid Pin\n");

}

} catch (NumberFormatException ex) {

query = "update Bank.b1 set status=" + (--st) + "where accountnumber='" + acc\_no + "'";

stmt.executeUpdate(query);

chance(st, "Authentication Failed \nInvalid Pin\n");

}

} else {

s = "password should contain atleast \n1 special character\n1 numeric\n1 uppercase letter\n1 lowercase latter";

clean(s);

}

}

}

} else {

clean("password Mismatch");

}

} else {

query = "update Bank.b1 set status=" + (--st) + "where accountnumber='" + acc\_no + "'";

stmt.executeUpdate(query);

chance(st, "Authentication Failed \nInvalid current Password\n");

}

} else {

chance(st, null);

}

} catch (SQLException ex) {

Logger.getLogger(Changepin.class.getName()).log(Level.SEVERE, null, ex);

}

}

}

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

Changepass.this.setVisible(false);

new Startpage().setVisible(true);

}

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(Changepass.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);

} catch (InstantiationException ex) {

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

} catch (IllegalAccessException ex) {

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

} catch (javax.swing.UnsupportedLookAndFeelException ex) {

java.util.logging.Logger.getLogger(Changepass.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() {

}

});

}

// 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.JLabel jLabel4;

private javax.swing.JPasswordField jPasswordField1;

private javax.swing.JPasswordField jPasswordField2;

private javax.swing.JPasswordField jPasswordField3;

// End of variables declaration

}

1. **Update Information.java**

package bank;

import java.sql.Connection;

import java.sql.DriverManager;

import java.sql.ResultSet;

import java.sql.SQLException;

import java.sql.Statement;

import java.util.logging.Level;

import java.util.logging.Logger;

import javax.swing.JFrame;

import javax.swing.JOptionPane;

public class UpdateInformation extends javax.swing.JFrame {

static final String JDBC\_DRIVER = "com.mysql.jdbc.Driver";

static String dburl = "jdbc:derby://localhost:1527/Bank";

static String pass = "password";

static String user = "username";

static Connection conn = null;

static Statement stmt = null;

String acc\_no;

JFrame jf = new JFrame();

int i = 0;

private void chance(int sta) {

String dis;

if (sta > 0) {

dis = "Invalid PIN\n" + sta + " available";

} else {

dis = "Sorry account blocked \nplese login after 24 hours\n";

}

JOptionPane.showMessageDialog(jf, dis, "ERROR", JOptionPane.ERROR\_MESSAGE);

UpdateInformation.this.setVisible(false);

new Startpage().setVisible(true);

}

public UpdateInformation(String acc\_no) {

this.acc\_no = acc\_no;

initComponents();

try {

conn = DriverManager.getConnection(dburl, "bank", "bank");

stmt = conn.createStatement();

String query = "Select phonenumber,email,dob from Bank.B1 where Accountnumber='" + acc\_no + "'";

ResultSet res = stmt.executeQuery(query);

res.next();

String phno = res.getString("phonenumber");

String em = res.getString("email");

String dob = res.getString("dob");

jLabel2.setText("current Information");

jTextField1.setText(dob);

jTextField2.setText(phno);

jTextField3.setText(em);

jTextField1.setEditable(false);

jTextField2.setEditable(false);

jTextField3.setEditable(false);

} catch (SQLException ex) {

Logger.getLogger(Startpage.class.getName()).log(Level.SEVERE, null, ex);

}

}

@SuppressWarnings("unchecked")

// <editor-fold defaultstate="collapsed" desc="Generated Code">

private void initComponents() {

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();

jTextField1 = new javax.swing.JTextField();

jTextField2 = new javax.swing.JTextField();

jTextField3 = new javax.swing.JTextField();

jButton1 = new javax.swing.JButton();

jButton2 = new javax.swing.JButton();

jButton3 = new javax.swing.JButton();

setDefaultCloseOperation(javax.swing.WindowConstants.EXIT\_ON\_CLOSE);

setTitle("Update Information");

jLabel1.setFont(new java.awt.Font("Tahoma", 0, 24)); // NOI18N

jLabel1.setText("Update Information");

jLabel2.setFont(new java.awt.Font("Tahoma", 0, 18)); // NOI18N

jLabel2.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);

jLabel2.setText("Current information");

jLabel3.setFont(new java.awt.Font("Tahoma", 0, 16)); // NOI18N

jLabel3.setText("Date of Birth");

jLabel4.setFont(new java.awt.Font("Tahoma", 0, 16)); // NOI18N

jLabel4.setText("Phone Number");

jLabel5.setFont(new java.awt.Font("Tahoma", 0, 16)); // NOI18N

jLabel5.setText("E-mail");

jTextField1.setBackground(java.awt.SystemColor.controlHighlight);

jTextField1.setFont(new java.awt.Font("Tahoma", 0, 15)); // NOI18N

jTextField1.setBorder(null);

jTextField1.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

jTextField1ActionPerformed(evt);

}

});

jTextField2.setBackground(java.awt.SystemColor.controlHighlight);

jTextField2.setFont(new java.awt.Font("Tahoma", 0, 15)); // NOI18N

jTextField2.setBorder(null);

jTextField3.setBackground(java.awt.SystemColor.controlHighlight);

jTextField3.setFont(new java.awt.Font("Tahoma", 0, 15)); // NOI18N

jTextField3.setBorder(null);

jButton1.setText("Cancel");

jButton1.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

jButton1ActionPerformed(evt);

}

});

jButton2.setText("OK");

jButton2.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

jButton2ActionPerformed(evt);

}

});

jButton3.setText("Edit");

jButton3.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

jButton3ActionPerformed(evt);

}

});

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)

.addGroup(layout.createSequentialGroup()

.addGap(96, 96, 96)

.addComponent(jLabel1))

.addGroup(layout.createSequentialGroup()

.addGap(45, 45, 45)

.addComponent(jLabel2, javax.swing.GroupLayout.PREFERRED\_SIZE, 291, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addGroup(layout.createSequentialGroup()

.addGap(45, 45, 45)

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addComponent(jLabel3, javax.swing.GroupLayout.PREFERRED\_SIZE, 106, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(jLabel4, javax.swing.GroupLayout.Alignment.TRAILING)

.addComponent(jLabel5, javax.swing.GroupLayout.Alignment.TRAILING, javax.swing.GroupLayout.PREFERRED\_SIZE, 106, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addGap(33, 33, 33)

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

.addComponent(jTextField2)

.addComponent(jTextField3)

.addComponent(jTextField1, javax.swing.GroupLayout.DEFAULT\_SIZE, 152, Short.MAX\_VALUE)))

.addGroup(layout.createSequentialGroup()

.addContainerGap(24, Short.MAX\_VALUE)

.addComponent(jButton1, javax.swing.GroupLayout.PREFERRED\_SIZE, 93, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGap(28, 28, 28)

.addComponent(jButton3, javax.swing.GroupLayout.PREFERRED\_SIZE, 93, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGap(28, 28, 28)

.addComponent(jButton2, javax.swing.GroupLayout.PREFERRED\_SIZE, 93, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGap(0, 0, Short.MAX\_VALUE)))

.addContainerGap())

);

layout.setVerticalGroup(

layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(layout.createSequentialGroup()

.addGap(30, 30, 30)

.addComponent(jLabel1)

.addGap(20, 20, 20)

.addComponent(jLabel2, javax.swing.GroupLayout.PREFERRED\_SIZE, 28, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGap(20, 20, 20)

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

.addComponent(jLabel3)

.addComponent(jTextField1, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addGap(20, 20, 20)

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

.addComponent(jLabel4)

.addComponent(jTextField2, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addGap(20, 20, 20)

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

.addComponent(jLabel5)

.addComponent(jTextField3, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addGap(25, 25, 25)

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

.addComponent(jButton1, javax.swing.GroupLayout.PREFERRED\_SIZE, 37, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(jButton2, javax.swing.GroupLayout.PREFERRED\_SIZE, 37, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(jButton3, javax.swing.GroupLayout.PREFERRED\_SIZE, 37, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addGap(30, 30, 30))

);

pack();

}// </editor-fold>

private void jTextField1ActionPerformed(java.awt.event.ActionEvent evt) {

// TODO add your handling code here:

}

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

UpdateInformation.this.setVisible(false);

new Startpage().setVisible(true);

}

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

if (i == 1) {

String dob = jTextField1.getText();

String phno1 = jTextField2.getText();

String em = jTextField3.getText();

if (phno1.length() == 10) {

try {

int phno = 0;

try {

phno = Integer.parseInt(phno1);

} catch (NumberFormatException ex) {

JOptionPane.showMessageDialog(jf, "Please enter valid details", "ERROR", JOptionPane.ERROR\_MESSAGE);

UpdateInformation.this.setVisible(true);

}

conn = DriverManager.getConnection(dburl, "bank", "bank");

stmt = conn.createStatement();

String query = "Select pin,status from Bank.B1 where Accountnumber='" + acc\_no + "'";

ResultSet res = stmt.executeQuery(query);

res.next();

int pin = res.getInt("pin");

int st = res.getInt("status");

UpdateInformation.this.setVisible(false);

if (st > 0) {

String p1 = JOptionPane.showInputDialog(jf, "enter the pin", "pin", JOptionPane.OK\_CANCEL\_OPTION);

try {

int pin1 = Integer.parseInt(p1);

if (pin == pin1) {

query = "update Bank.b1 set dob='" + dob + "' where accountnumber='" + acc\_no + "'";

stmt.executeUpdate(query);

query = "update Bank.b1 set phonenumber=" + phno + "where accountnumber='" + acc\_no + "'";

stmt.executeUpdate(query);

query = "update Bank.b1 set email='" + em + "' where accountnumber='" + acc\_no + "'";

stmt.executeUpdate(query);

JOptionPane.showMessageDialog(jf, "Updation Sucesssfull", "sucess", JOptionPane.PLAIN\_MESSAGE);

new Bankservice(acc\_no).setVisible(true);

} else {

query = "update Bank.b1 set status=" + (--st) + "where accountnumber='" + acc\_no + "'";

stmt.executeUpdate(query);

chance(st);

}

} catch (NumberFormatException ex) {

query = "update Bank.b1 set status=" + (--st) + "where accountnumber='" + acc\_no + "'";

stmt.executeUpdate(query);

chance(st);

}

} else {

chance(st);

}

} catch (SQLException ex) {

Logger.getLogger(Startpage.class.getName()).log(Level.SEVERE, null, ex);

}

} else {

JOptionPane.showMessageDialog(jf, "Please enter valid details", "ERROR", JOptionPane.ERROR\_MESSAGE);

UpdateInformation.this.setVisible(true);

}

} else {

UpdateInformation.this.setVisible(false);

new Bankservice(acc\_no).setVisible(true);

}

}

private void jButton3ActionPerformed(java.awt.event.ActionEvent evt) {

jLabel2.setText("Edit Information");

jTextField1.setEditable(true);

jTextField2.setEditable(true);

jTextField3.setEditable(true);

jButton3.setVisible(false);

i = 1;

}

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(UpdateInformation.class

.getName()).log(java.util.logging.Level.SEVERE, null, ex);

} catch (InstantiationException ex) {

java.util.logging.Logger.getLogger(UpdateInformation.class

.getName()).log(java.util.logging.Level.SEVERE, null, ex);

} catch (IllegalAccessException ex) {

java.util.logging.Logger.getLogger(UpdateInformation.class

.getName()).log(java.util.logging.Level.SEVERE, null, ex);

} catch (javax.swing.UnsupportedLookAndFeelException ex) {

java.util.logging.Logger.getLogger(UpdateInformation.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() {

}

});

}

// 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;

private javax.swing.JLabel jLabel5;

private javax.swing.JTextField jTextField1;

private javax.swing.JTextField jTextField2;

private javax.swing.JTextField jTextField3;

// End of variables declaration

}