

SOURCE CODE

Banking.java

```
/*
 * To change this license header, choose License Headers in Project Properties.
 * To change this template file, choose Tools | Templates
 * and open the template in the editor.
 */
package banking;
import java.sql.*;
import javax.swing.JOptionPane;
import java.util.Properties;
import javax.mail.*;
import javax.mail.internet.*;
import java.util.Random;
/**
 *
 * @author rjrak
 */
public class Banking {
    //KYC, user_log, acc_det, acc_det_full
    /**
     * @param args the command line arguments
     */
    public long gen_AccountNum(){
        long accno = 0;
        try{
            Class.forName("oracle.jdbc.driver.OracleDriver");
            Connection con = DriverManager.getConnection("jdbc:oracle:thin:@localhost:1521:xe","system","rakshit");
            Statement st= con.createStatement();
            int count = 0;
            do{
                Random r=new Random();
                accno=(long)(r.nextDouble()*(999999999999999L - 1000000000000000L));
                PreparedStatement stmt=con.prepareStatement("SELECT ACCNO FROM KYC WHERE ACCNO=?",ResultSet.TYPE_SCROLL_INSENSITIVE,ResultSet.CONCUR_READ_ONLY);
                stmt.setLong(1, accno);
                ResultSet rs=stmt.executeQuery();
                rs.last();
                count=rs.getRow();
            }while(count>0);
            con.close();
        }
        catch(Exception e){
            JOptionPane.showMessageDialog(null, e);
        }
        return accno;
    }

    public long SendMailbySite(String emailto){
        long otp=0;
        final String user="rakshit.jain2016@vitstudent.ac.in";//change accordingly
        final String password="R@k$h!t/123";//change accordingly

        String to=emailto;//change accordingly
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//Get the session object
Properties props = new Properties();
props.put("mail.smtp.host", "smtp.gmail.com");
props.put("mail.smtp.port", "587");
props.put("mail.smtp.starttls.enable", "true");
props.put("mail.smtp.auth", "true");

Session session = Session.getDefaultInstance(props, new javax.mail.Authenticator() {
    protected PasswordAuthentication getPasswordAuthentication() {
        return new PasswordAuthentication(user,password);
    }
});

//Compose the message
try {
    Random r=new Random();
    otp=(long)(r.nextDouble()*(999999L - 100000L));

    MimeMessage message = new MimeMessage(session);
    message.setFrom(new InternetAddress(user));
    message.addRecipient(Message.RecipientType.TO,new InternetAddress(to));
    message.setSubject("OTP VIT NETBANKING");
    message.setText("This is your OTP"+otp);

    //send the message
    Transport.send(message);

    System.out.println("message sent successfully...");
}
catch (MessagingException e)
{
    JOptionPane.showMessageDialog(null, e);
}
return otp;
}

public void SendMailbySiteText(String emailto, String username){
    long otp=0;
    final String user="rakshit.jain2016@vitstudent.ac.in";//change accordingly
    final String password="R@k$h!t/123";//change accordingly

    String to=emailto;//change accordingly
    //Get the session object
    Properties props = new Properties();
    props.put("mail.smtp.host", "smtp.gmail.com");
    props.put("mail.smtp.port", "587");
    props.put("mail.smtp.starttls.enable", "true");
    props.put("mail.smtp.auth", "true");

    Session session = Session.getDefaultInstance(props, new javax.mail.Authenticator() {
        protected PasswordAuthentication getPasswordAuthentication() {
            return new PasswordAuthentication(user,password);
        }
    });

    //Compose the message
    try {
        Class.forName("oracle.jdbc.driver.OracleDriver");
        Connection con = DriverManager.getConnection("jdbc:oracle:thin:@localhost:1521:xe","system","rakshit");
    }
}

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Statement st= con.createStatement();
PreparedStatement stmt= con.prepareStatement("SELECT * FROM USER_LOG WHERE
USERNAME=?",ResultSet.TYPE_SCROLL_INSENSITIVE,ResultSet.CONCUR_READ_ONLY);
stmt.setString(1, username);
ResultSet rs=stmt.executeQuery();
rs.absolute(1);

MimeMessage message = new MimeMessage(session);
message.setFrom(new InternetAddress(user));
message.addRecipient(Message.RecipientType.TO,new InternetAddress(to));
message.setSubject("OTP VIT NETBANKING");
message.setText("This is your Password: "+rs.getString("PASSWORD"));

//send the message
Transport.send(message);

System.out.println("message sent successfully...");
}
catch (MessagingException e)
{
    JOptionPane.showMessageDialog(null, e);
}
catch (Exception e){
    JOptionPane.showMessageDialog(null, e);
}
return;
}

public static void main(String[] args) {
    // TODO code application logic here
}

}

```

page1.java

```
/*
 * To change this license header, choose License Headers in Project Properties.
 * To change this template file, choose Tools | Templates
 * and open the template in the editor.
 */
package banking;
import java.sql.*;
import javax.swing.JOptionPane;
/**
 *
 * @author rjrak
 */
public class page1 extends javax.swing.JFrame {

    /**
     * Creates new form page1
     */
    public page1() {
        initComponents();
    }

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

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

        setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);
        setBackground(new java.awt.Color(255, 204, 0));
        setForeground(java.awt.Color.red);
        setResizable(false);

        jLabel1.setFont(new java.awt.Font("Franklin Gothic Book", 1, 72)); // NOI18N
        jLabel1.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);
        jLabel1.setText("VIT BANKING SYSTEM");

        jTextField1.setFont(new java.awt.Font("Franklin Gothic Book", 1, 36)); // NOI18N
        jTextField1.setHorizontalAlignment(javax.swing.JTextField.CENTER);
        jTextField1.setToolTipText("ENTER YOUR USERNAME");
        jTextField1.setVerifyInputWhenFocusTarget(false);
        jTextField1.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                jTextField1ActionPerformed(evt);
            }
        });
    }
}
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jPasswordField1.setFont(new java.awt.Font("Franklin Gothic Book", 1, 36)); // NOI18N
jPasswordField1.setHorizontalAlignment(javax.swing.JTextField.CENTER);
jPasswordField1.setToolTipsText("ENTER YOUR PASSWORD");

jButton1.setFont(new java.awt.Font("Franklin Gothic Book", 1, 36)); // NOI18N
jButton1.setText("LOGIN");
jButton1.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jButton1ActionPerformed(evt);
    }
});

jButton2.setFont(new java.awt.Font("Franklin Gothic Book", 1, 36)); // NOI18N
jButton2.setText("REGISTER");
jButton2.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jButton2ActionPerformed(evt);
    }
});

jButton3.setFont(new java.awt.Font("Franklin Gothic Book", 1, 36)); // NOI18N
jButton3.setText("FORGOT PASSWORD");
jButton3.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jButton3ActionPerformed(evt);
    }
});

jLabel2.setFont(new java.awt.Font("Franklin Gothic Book", 1, 36)); // NOI18N
jLabel2.setText("USERNAME");

jLabel3.setFont(new java.awt.Font("Franklin Gothic Book", 1, 36)); // NOI18N
jLabel3.setText("PASSWORD");

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(149, 149, 149)
        .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addComponent(jLabel3)
            .addComponent(jLabel2)
            .addGroup(layout.createSequentialGroup()
                .addGap(75, 75, 75)
                .addComponent(jButton1)
                .addGap(75, 75, 75)
                .addComponent(jButton2)
                .addGap(75, 75, 75)
                .addComponent(jLabel1, javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
                .addComponent(jTextField1)
                .addComponent(jPasswordField1, javax.swing.GroupLayout.PREFERRED_SIZE, 877,
javax.swing.GroupLayout.PREFERRED_SIZE)))
            .addContainerGap(174, Short.MAX_VALUE))
    );
layout.setVerticalGroup(

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        layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(layout.createSequentialGroup()
            .addGap(113, 113, 113)
            .addComponent(jLabel1)
            .addGap(126, 126, 126)
            .addComponent(jLabel2)
            .addGap(18, 18, 18)
            .addComponent(jTextField1, javax.swing.GroupLayout.PREFERRED_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
            .addGap(35, 35, 35)
            .addComponent(jLabel3)
            .addGap(18, 18, 18)
            .addComponent(jPasswordField1, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
            .addGap(115, 115, 115)
            .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
                .addComponent(jButton2)
                .addComponent(jButton1)
                .addComponent(jButton3))
            .addGap(68, 68, Short.MAX_VALUE))
        );

        jTextField1.getAccessibleContext().setAccessibleName("USERNAME");

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

    private void jTextField1ActionPerformed(java.awt.event.ActionEvent evt) {
        // TODO add your handling code here:
    }

    private void jButton2ActionPerformed(java.awt.event.ActionEvent evt) {
        new signup1().setVisible(true);
        dispose(); // TODO add your handling code here:
    }

    private void jButton1ActionPerformed(java.awt.event.ActionEvent evt) {
        String username=jTextField1.getText();
        String psw=String.valueOf(jPasswordField1.getPassword());
        try{
            Class.forName("oracle.jdbc.driver.OracleDriver");
            Connection con = DriverManager.getConnection("jdbc:oracle:thin:@localhost:1521:xe","system","rakshit");
            Statement st= con.createStatement();
            PreparedStatement stmt= con.prepareStatement("SELECT * FROM USER_LOG WHERE USERNAME=? AND
PASSWORD=?",ResultSet.TYPE_SCROLL_INSENSITIVE,ResultSet.CONCUR_READ_ONLY);
            stmt.setString(1, username);
            stmt.setString(2, psw);
            ResultSet rs=stmt.executeQuery();
            rs.last();
            int count=rs.getRow();
            rs.absolute(1);
            if(count==1){
                new screen2(rs.getLong("ACCNO")).setVisible(true);
                dispose();
            }
            else{
                JOptionPane.showMessageDialog(null, "Invalid Credential. Please Try Again");
            }
            con.close();
        }
    }

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```

catch(Exception e){
    JOptionPane.showMessageDialog(null, e);
}
// TODO add your handling code here:
}

private void jButton3ActionPerformed(java.awt.event.ActionEvent evt) {
    new forgotPSW().setVisible(true);
    dispose();
    // TODO add your handling code here:
}

/**
 * @param args the command line arguments
 */
public static void main(String args[]) {
    /* Set the Nimbus look and feel */
    //<editor-fold defaultstate="collapsed" desc=" Look and feel setting code (optional) ">
    /* If Nimbus (introduced in Java SE 6) is not available, stay with the default look and feel.
     * For details see http://download.oracle.com/javase/tutorial/uiswing/lookandfeel/plaf.html
     */
    try {
        for (javax.swing.UIManager.LookAndFeelInfo info : javax.swing.UIManager.getInstalledLookAndFeels()) {
            if ("Nimbus".equals(info.getName())) {
                javax.swing.UIManager.setLookAndFeel(info.getClassName());
                break;
            }
        }
    } catch (ClassNotFoundException ex) {
        java.util.logging.Logger.getLogger(page1.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
    } catch (InstantiationException ex) {
        java.util.logging.Logger.getLogger(page1.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
    } catch (IllegalAccessException ex) {
        java.util.logging.Logger.getLogger(page1.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
    } catch (javax.swing.UnsupportedLookAndFeelException ex) {
        java.util.logging.Logger.getLogger(page1.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 page1().setVisible(true);
    }
});
}

// Variables declaration - do not modify
private javax.swing.JButton jButton1;
private javax.swing.JButton jButton2;
private javax.swing.JButton jButton3;
private javax.swing.JLabel jLabel1;
private javax.swing.JLabel jLabel2;
private javax.swing.JLabel jLabel3;
private javax.swing.JPasswordField jPasswordField1;
private javax.swing.JTextField jTextField1;
// End of variables declaration
}

```

Screen2.java

```
/*
 * To change this license header, choose License Headers in Project Properties.
 * To change this template file, choose Tools | Templates
 * and open the template in the editor.
 */
package banking;
import java.sql.*;
import java.util.logging.Level;
import java.util.logging.Logger;
import javax.swing.JOptionPane;

/**
 *
 * @author rjrak
 */
public class screen2 extends javax.swing.JFrame {

    /**
     * Creates new form screen2
     */
    public long acc1=0;
    public String email="";
    public int flag=0;
    public long otp=0;
    public screen2(){
        initComponents();
    }
    public screen2(long acc) {
        initComponents();
        acc1=acc;
        jTextField2.setVisible(false);
        jLabel9.setVisible(false);
        jButton4.setVisible(false);

        try{
            Class.forName("oracle.jdbc.driver.OracleDriver");
            Connection con = DriverManager.getConnection("jdbc:oracle:thin:@localhost:1521:xe","system","rakshit");
            Statement st= con.createStatement();
            PreparedStatement stmt= con.prepareStatement("SELECT * FROM KYC WHERE ACCNO=?",ResultSet.TYPE_SCROLL_INSENSITIVE,ResultSet.CONCUR_READ_ONLY);
            stmt.setLong(1, acc);
            ResultSet rs=stmt.executeQuery();
            rs.absolute(1);
            jLabel1.setText("Hey! "+rs.getString("NAME"));
            jLabel3.setText("A/C NO: "+rs.getLong("ACCNO"));
            jLabel4.setText("AADHAAR: "+rs.getLong("AADHAAR"));
            jLabel5.setText("EMAIL: "+rs.getString("EMAIL"));
            jLabel6.setText("RMN: "+rs.getLong("REG_MOB"));
            email=rs.getString("EMAIL");
            stmt= con.prepareStatement("SELECT * FROM ACC_DET WHERE ACCNO=?",ResultSet.TYPE_SCROLL_INSENSITIVE,ResultSet.CONCUR_READ_ONLY);
            stmt.setLong(1, acc);
            rs=stmt.executeQuery();
            rs.absolute(1);
            jLabel7.setText("BALANCE: RS."+rs.getDouble("BAL"));
            con.close();
        }
    }
}
```



```

        catch(Exception e){
            JOptionPane.showMessageDialog(null, e);
        }
    }

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

        jLabel2 = new javax.swing.JLabel();
        jLabel1 = new javax.swing.JLabel();
        jLabel3 = new javax.swing.JLabel();
        jLabel4 = new javax.swing.JLabel();
        jLabel5 = new javax.swing.JLabel();
        jLabel6 = new javax.swing.JLabel();
        jLabel7 = new javax.swing.JLabel();
        jButton1 = new javax.swing.JButton();
        jButton2 = new javax.swing.JButton();
        jButton3 = new javax.swing.JButton();
        jLabel8 = new javax.swing.JLabel();
        jTextField1 = new javax.swing.JTextField();
        jLabel9 = new javax.swing.JLabel();
        jTextField2 = new javax.swing.JTextField();
        jButton4 = new javax.swing.JButton();
        jButton5 = new javax.swing.JButton();

        setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);

        jLabel2.setFont(new java.awt.Font("Franklin Gothic Book", 1, 72)); // NOI18N
        jLabel2.setText("VIT NET-BANKING");

        jLabel1.setFont(new java.awt.Font("Franklin Gothic Book", 1, 48)); // NOI18N
        jLabel1.setText("Hey!!");

        jLabel3.setFont(new java.awt.Font("Franklin Gothic Book", 1, 30)); // NOI18N
        jLabel3.setText("A/C NO:");

        jLabel4.setFont(new java.awt.Font("Franklin Gothic Book", 1, 30)); // NOI18N
        jLabel4.setText("AADHAAR:");

        jLabel5.setFont(new java.awt.Font("Franklin Gothic Book", 1, 30)); // NOI18N
        jLabel5.setText("EMAIL:");

        jLabel6.setFont(new java.awt.Font("Franklin Gothic Book", 1, 30)); // NOI18N
        jLabel6.setText("RMN:");

        jLabel7.setFont(new java.awt.Font("Franklin Gothic Book", 1, 36)); // NOI18N
        jLabel7.setText("BALANCE:");

        jButton1.setFont(new java.awt.Font("Franklin Gothic Book", 1, 36)); // NOI18N
        jButton1.setText("UPDATE PROFILE");
        jButton1.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {

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```
jButton1ActionPerformed(evt);
    }
});

jButton2.setFont(new java.awt.Font("Franklin Gothic Book", 1, 36)); // NOI18N
jButton2.setText("WITHDRAWL");
jButton2.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jButton2ActionPerformed(evt);
    }
});

jButton3.setFont(new java.awt.Font("Franklin Gothic Book", 1, 36)); // NOI18N
jButton3.setText("DEPOSIT");
jButton3.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jButton3ActionPerformed(evt);
    }
});

jLabel8.setFont(new java.awt.Font("Franklin Gothic Book", 1, 36)); // NOI18N
jLabel8.setText("AMOUNT");

jTextField1.setFont(new java.awt.Font("Franklin Gothic Book", 1, 30)); // NOI18N
jTextField1.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jTextField1ActionPerformed(evt);
    }
});

jLabel9.setFont(new java.awt.Font("Franklin Gothic Book", 1, 36)); // NOI18N
jLabel9.setText("OTP");

jTextField2.setFont(new java.awt.Font("Franklin Gothic Book", 1, 30)); // NOI18N

jButton4.setFont(new java.awt.Font("Franklin Gothic Book", 1, 30)); // NOI18N
jButton4.setText("VERIFY");
jButton4.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jButton4ActionPerformed(evt);
    }
});

jButton5.setFont(new java.awt.Font("Franklin Gothic Book", 1, 36)); // NOI18N
jButton5.setText("LOGOUT");
jButton5.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jButton5ActionPerformed(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()
            .add(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                .add(jLabel1)
                .add(jLabel2)
                .add(jLabel3)
                .add(jLabel4)
                .add(jLabel5)
                .add(jLabel6)
                .add(jLabel7)
                .add(jLabel8)
                .add(jLabel9)
                .add(jTextField1)
                .add(jTextField2)
                .add(jButton1)
                .add(jButton2)
                .add(jButton3)
                .add(jButton4)
                .add(jButton5))
            .addContainerGap(10, Short.MAX_VALUE))
        .addGap(94, 94, 94)

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.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)
    .addComponent(jLabel8)
    .addComponent(jTextField1, javax.swing.GroupLayout.DEFAULT_SIZE, 233, Short.MAX_VALUE)
    .addComponent(jLabel9)
    .addComponent(jTextField2))
.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED, 425, Short.MAX_VALUE)
.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addGroup(javax.swing.GroupLayout.Alignment.TRAILING, layout.createSequentialGroup()
        .addComponent(jButton3)
        .addGap(18, 18, 18)
        .addComponent(jButton2))
    .addComponent(jButton4, javax.swing.GroupLayout.Alignment.TRAILING)))
.addGroup(layout.createSequentialGroup())
    .addGap(301, 301, 301)
    .addComponent(jLabel2))
.addGroup(layout.createSequentialGroup())
    .addContainerGap()
    .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)
        .addComponent(jLabel4)
        .addComponent(jLabel7)
        .addComponent(jLabel6)
        .addComponent(jLabel5)
        .addGroup(layout.createSequentialGroup()
            .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                .addComponent(jLabel1)
                .addComponent(jLabel3))
            .addGap(51, 51, 51)))
        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
        .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addComponent(jButton1, javax.swing.GroupLayout.Alignment.TRAILING)
            .addComponent(jButton5, javax.swing.GroupLayout.Alignment.TRAILING))))
    .addContainerGap())
);
layout.setVerticalGroup(
    layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addGroup(layout.createSequentialGroup()
        .addContainerGap()
        .addComponent(jLabel2)
        .addGap(45, 45, 45)
        .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(layout.createSequentialGroup()
                .addComponent(jButton1)
                .addGap(18, 18, 18)
                .addComponent(jButton5)
                .addGap(336, 336, 336)
                .addComponent(jLabel8)
                .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
                .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
                    .addComponent(jTextField1, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
                    .addComponent(jButton3)
                    .addComponent(jButton2))
                .addGap(18, 18, 18)
                .addComponent(jLabel9)
                .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
                .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
                    .addComponent(jTextField2, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
                    .addComponent(jButton4))))
            )
    )

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        .addGroup(layout.createSequentialGroup())
        .addComponent(jLabel1)
        .addGap(18, 18, 18)
        .addComponent(jLabel3)
        .addGap(21, 21, 21)
        .addComponent(jLabel4)
        .addGap(18, 18, 18)
        .addComponent(jLabel5)
        .addGap(18, 18, 18)
        .addComponent(jLabel6)
        .addGap(18, 18, 18)
        .addComponent(jLabel7)))
        .addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))
    );

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

private void jButton1ActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
}

private void jButton3ActionPerformed(java.awt.event.ActionEvent evt) {
    String amountt=jTextField1.getText();
    double amount=Double.parseDouble(amountt);
    if(jTextField1.getText().isEmpty()==false){
        jTextField2.setVisible(true);
        jButton4.setVisible(true);
        jLabel9.setVisible(true);
        flag=1;
        otp=new Banking().SendMailbySite(email);
    } // TODO add your handling code here:
}

private void jTextField1ActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
}

private void jButton4ActionPerformed(java.awt.event.ActionEvent evt) {
    if(flag==1 && Long.parseLong(jTextField2.getText())==otp){
        try{
            String amountt=jTextField1.getText();
            double amount=Double.parseDouble(amountt);

            Class.forName("oracle.jdbc.driver.OracleDriver");
            Connection con = DriverManager.getConnection("jdbc:oracle:thin:@localhost:1521:xe","system","rakshit");
            Statement st= con.createStatement();
            PreparedStatement stmt=con.prepareStatement("SELECT * FROM ACC_DET WHERE
ACCNO=?",ResultSet.TYPE_SCROLL_INSENSITIVE,ResultSet.CONCUR_READ_ONLY);
            stmt.setLong(1, acc1);
            ResultSet rs=stmt.executeQuery();
            rs.absolute(1);

            stmt=con.prepareStatement("INSERT INTO ACC_DET_FULL(ACCNO,CREDIT,DEBIT,BAL,DT_TRANS) VALUES
(?,?,?,?,TO_CHAR(TRUNC(SYSDATE),'DD/MM/YYYY'))",ResultSet.TYPE_SCROLL_INSENSITIVE,ResultSet.CONCUR_READ_ONLY
);
            stmt.setLong(1,acc1);
            stmt.setDouble(2,amount);
            stmt.setDouble(3,0.0);

```

```

        stmt.setDouble(4,rs.getDouble("BAL")+amount);
        stmt.executeUpdate();

        stmt=con.prepareStatement("UPDATE ACC_DET SET BAL=? WHERE
ACCNO=?",ResultSet.TYPE_SCROLL_INSENSITIVE,ResultSet.CONCUR_READ_ONLY);
        stmt.setLong(2, acc1);
        stmt.setDouble(1, rs.getDouble("BAL")+amount);
        stmt.executeUpdate();

        con.close();
        JOptionPane.showMessageDialog(null, "Successfully Deposited");
        new screen2(acc1).setVisible(true);
        dispose();
    }
    catch(Exception e){
        JOptionPane.showMessageDialog(null, e);
    }
}
else if(flag==2 && Long.parseLong(jTextField2.getText())==otp){
    try{
        String amountt=jTextField1.getText();
        double amount=Double.parseDouble(amountt);

        Class.forName("oracle.jdbc.driver.OracleDriver");
        Connection con = DriverManager.getConnection("jdbc:oracle:thin:@localhost:1521:xe","system","rakshit");
        Statement st= con.createStatement();
        PreparedStatement stmt=con.prepareStatement("SELECT * FROM ACC_DET WHERE
ACCNO=?",ResultSet.TYPE_SCROLL_INSENSITIVE,ResultSet.CONCUR_READ_ONLY);
        stmt.setLong(1, acc1);
        ResultSet rs=stmt.executeQuery();
        rs.absolute(1);

        stmt=con.prepareStatement("INSERT INTO ACC_DET_FULL(ACCNO,CREDIT,DEBIT,BAL,DT_TRANS) VALUES
(?,?,?,?,?,TO_CHAR(TRUNC(SYSDATE),'DD/MM/YYYY'))",ResultSet.TYPE_SCROLL_INSENSITIVE,ResultSet.CONCUR_READ_ONLY
);
        stmt.setLong(1,acc1);
        stmt.setDouble(2,0.0);
        stmt.setDouble(3,amount);
        stmt.setDouble(4,rs.getDouble("BAL")-amount);
        stmt.executeUpdate();

        stmt=con.prepareStatement("UPDATE ACC_DET SET BAL=? WHERE
ACCNO=?",ResultSet.TYPE_SCROLL_INSENSITIVE,ResultSet.CONCUR_READ_ONLY);
        stmt.setLong(2, acc1);
        stmt.setDouble(1, rs.getDouble("BAL")-amount);
        stmt.executeUpdate();

        con.close();
        JOptionPane.showMessageDialog(null, "Successfully Withdrawn");
        new screen2(acc1).setVisible(true);
        dispose();
    }
    catch(Exception e){
        JOptionPane.showMessageDialog(null, e);
    }
}
// TODO add your handling code here:
}

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

```

```

String amountt=jTextField1.getText();
double amount=Double.parseDouble(amountt);
if(jTextField1.getText().isEmpty()==false){
try{
Class.forName("oracle.jdbc.driver.OracleDriver");
Connection con = DriverManager.getConnection("jdbc:oracle:thin:@localhost:1521:xe","system","rakshit");
Statement st= con.createStatement();
PreparedStatement stmt= con.prepareStatement("SELECT * FROM ACC_DET WHERE
ACCNO=?",ResultSet.TYPE_SCROLL_INSENSITIVE,ResultSet.CONCUR_READ_ONLY);
stmt.setLong(1, acc1);
ResultSet rs=stmt.executeQuery();
rs.absolute(1);
if(rs.getDouble("BAL")>=amount){
    jTextField2.setVisible(true);
    jLabel9.setVisible(true);
    jButton4.setVisible(true);
    flag=2;
    otp=new Banking().SendMailbySite(email);
}
con.close();
}
catch(Exception e){
    JOptionPane.showMessageDialog(null, e);
}

}
// TODO add your handling code here:
}

private void jButton5ActionPerformed(java.awt.event.ActionEvent evt) {
    new page1().setVisible(true);
    dispose();    // TODO add your handling code here:
}

/**
 * @param args the command line arguments
 */
public static void main(String args[]) {
    /* Set the Nimbus look and feel */
    //<editor-fold defaultstate="collapsed" desc=" Look and feel setting code (optional) ">
    /* If Nimbus (introduced in Java SE 6) is not available, stay with the default look and feel.
     * For details see http://download.oracle.com/javase/tutorial/uiswing/lookandfeel/plaf.html
     */
    try {
        for (javax.swing.UIManager.LookAndFeelInfo info : javax.swing.UIManager.getInstalledLookAndFeels()) {
            if ("Nimbus".equals(info.getName())) {
                javax.swing.UIManager.setLookAndFeel(info.getClassName());
                break;
            }
        }
    } catch (ClassNotFoundException ex) {
        java.util.logging.Logger.getLogger(screen2.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
    } catch (InstantiationException ex) {
        java.util.logging.Logger.getLogger(screen2.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
    } catch (IllegalAccessException ex) {
        java.util.logging.Logger.getLogger(screen2.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
    } catch (javax.swing.UnsupportedLookAndFeelException ex) {
        java.util.logging.Logger.getLogger(screen2.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 screen2().setVisible(true);
    }
});
}
```

```
// Variables declaration - do not modify
private javax.swing.JButton jButton1;
private javax.swing.JButton jButton2;
private javax.swing.JButton jButton3;
private javax.swing.JButton jButton4;
private javax.swing.JButton jButton5;
private javax.swing.JLabel jLabel1;
private javax.swing.JLabel jLabel2;
private javax.swing.JLabel jLabel3;
private javax.swing.JLabel jLabel4;
private javax.swing.JLabel jLabel5;
private javax.swing.JLabel jLabel6;
private javax.swing.JLabel jLabel7;
private javax.swing.JLabel jLabel8;
private javax.swing.JLabel jLabel9;
private javax.swing.JTextField jTextField1;
private javax.swing.JTextField jTextField2;
// End of variables declaration
}
```

Signup1.java

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

import java.sql.*;
import javax.swing.JOptionPane;
import java.text.SimpleDateFormat;
import java.util.Date;
/**
 *
 * @author rjrak
 */
public class signup1 extends javax.swing.JFrame {
    /**
     * Creates new form signup1
     */
    public signup1() {
        initComponents();
    }

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

        buttonGroup1 = new javax.swing.ButtonGroup();
        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();
        jLabel6 = new javax.swing.JLabel();
        jLabel7 = new javax.swing.JLabel();
        jTextField1 = new javax.swing.JTextField();
        jTextField2 = new javax.swing.JTextField();
        jTextField3 = new javax.swing.JTextField();
        jRadioButton1 = new javax.swing.JRadioButton();
        jRadioButton2 = new javax.swing.JRadioButton();
        jScrollPane1 = new javax.swing.JScrollPane();
        jTextArea1 = new javax.swing.JTextArea();
        jTextField4 = new javax.swing.JTextField();
        jTextField5 = new javax.swing.JTextField();
        jLabel8 = new javax.swing.JLabel();
        jLabel9 = new javax.swing.JLabel();
        jLabel10 = new javax.swing.JLabel();
        jTextField6 = new javax.swing.JTextField();
        jPasswordField1 = new javax.swing.JPasswordField();
        jPasswordField2 = new javax.swing.JPasswordField();
        jButton1 = new javax.swing.JButton();
        jLabel11 = new javax.swing.JLabel();
    }
}
```



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

jLabel1.setFont(new java.awt.Font("Franklin Gothic Book", 1, 36)); // NOI18N
jLabel1.setText("Name");

jLabel2.setFont(new java.awt.Font("Franklin Gothic Book", 1, 36)); // NOI18N
jLabel2.setText("Date of Birth");

jLabel3.setFont(new java.awt.Font("Franklin Gothic Book", 1, 36)); // NOI18N
jLabel3.setText("Mobile Number");

jLabel4.setFont(new java.awt.Font("Franklin Gothic Book", 1, 36)); // NOI18N
jLabel4.setText("Gender");

jLabel5.setFont(new java.awt.Font("Franklin Gothic Book", 1, 36)); // NOI18N
jLabel5.setText("Address");

jLabel6.setFont(new java.awt.Font("Franklin Gothic Book", 1, 36)); // NOI18N
jLabel6.setText("Aadhaar");

jLabel7.setFont(new java.awt.Font("Franklin Gothic Book", 1, 36)); // NOI18N
jLabel7.setText("Email");

jTextField1.setFont(new java.awt.Font("Franklin Gothic Book", 1, 30)); // NOI18N

jTextField2.setFont(new java.awt.Font("Franklin Gothic Book", 1, 30)); // NOI18N
jTextField2.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jTextField2ActionPerformed(evt);
    }
});

jTextField3.setFont(new java.awt.Font("Franklin Gothic Book", 1, 30)); // NOI18N
jTextField3.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jTextField3ActionPerformed(evt);
    }
});

buttonGroup1.add(jRadioButton1);
jRadioButton1.setFont(new java.awt.Font("Franklin Gothic Book", 1, 30)); // NOI18N
jRadioButton1.setText("MALE");
jRadioButton1.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jRadioButton1ActionPerformed(evt);
    }
});

buttonGroup1.add(jRadioButton2);
jRadioButton2.setFont(new java.awt.Font("Franklin Gothic Book", 1, 30)); // NOI18N
jRadioButton2.setText("FEMALE");
jRadioButton2.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jRadioButton2ActionPerformed(evt);
    }
});

jTextArea1.setColumns(20);
```

```

jTextArea1.setRows(5);
jScrollPane1.setViewportView(jTextArea1);

jTextField4.setFont(new java.awt.Font("Franklin Gothic Book", 1, 30)); // NOI18N
jTextField4.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jTextField4ActionPerformed(evt);
    }
});

jTextField5.setFont(new java.awt.Font("Franklin Gothic Book", 1, 30)); // NOI18N

jLabel8.setFont(new java.awt.Font("Franklin Gothic Book", 1, 36)); // NOI18N
jLabel8.setText("Username");

jLabel9.setFont(new java.awt.Font("Franklin Gothic Book", 1, 36)); // NOI18N
jLabel9.setText("Password");

jLabel10.setFont(new java.awt.Font("Franklin Gothic Book", 1, 36)); // NOI18N
jLabel10.setText("Re-Enter Password");

jTextField6.setFont(new java.awt.Font("Franklin Gothic Book", 1, 30)); // NOI18N
jTextField6.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jTextField6ActionPerformed(evt);
    }
});

jPasswordField1.setFont(new java.awt.Font("Franklin Gothic Book", 1, 30)); // NOI18N

jPasswordField2.setFont(new java.awt.Font("Franklin Gothic Book", 1, 30)); // NOI18N

jButton1.setFont(new java.awt.Font("Franklin Gothic Book", 1, 36)); // NOI18N
jButton1.setText("SUBMIT");
jButton1.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jButton1ActionPerformed(evt);
    }
});

jLabel11.setFont(new java.awt.Font("Franklin Gothic Book", 1, 60)); // NOI18N
jLabel11.setText("REGISTER");

javax.swing.GroupLayout layout = new javax.swing.GroupLayout(getContentPane());
getContentPane().setLayout(layout);
layout.setHorizontalGroup(
    layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addGroup(layout.createSequentialGroup()
        .add(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(layout.createSequentialGroup()
                .add(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                    .add(layout.createSequentialGroup()
                        .add(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                            .add(jLabel1)
                            .add(jLabel2)
                            .add(jLabel3)
                            .add(jLabel4)
                            .add(jLabel6)
                            .add(jLabel5)
                            .add(jLabel7)

```

```

        .addComponent(jLabel8)
        .addComponent(jLabel9)
        .addComponent(jLabel10))
    .addGap(81, 81, 81)
    .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)
        .addGroup(layout.createSequentialGroup()
            .addComponent(jRadioButton1)
            .addGap(18, 18, 18)
            .addComponent(jRadioButton2))
        .addComponent(jScrollPane1)
        .addComponent(jTextField1)
        .addComponent(jTextField2)
        .addComponent(jTextField3)
        .addComponent(jTextField4)
        .addComponent(jTextField5)
        .addComponent(jTextField6)
        .addComponent(jPasswordField1)
        .addComponent(jPasswordField2, javax.swing.GroupLayout.PREFERRED_SIZE, 521,
javax.swing.GroupLayout.PREFERRED_SIZE)))
    .addGroup(layout.createSequentialGroup()
        .addGap(392, 392, 392)
        .addComponent(jButton1)))
    .addContainerGap(142, Short.MAX_VALUE))
    .addGroup(javax.swing.GroupLayout.Alignment.TRAILING, layout.createSequentialGroup()
        .addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
        .addComponent(jLabel11)
        .addGap(450, 450, 450))
    );
    layout.setVerticalGroup(
        layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(javax.swing.GroupLayout.Alignment.TRAILING, layout.createSequentialGroup()
            .addContainerGap(23, Short.MAX_VALUE)
            .addComponent(jLabel11)
            .addGap(27, 27, 27)
            .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
                .addComponent(jLabel1)
                .addComponent(jTextField1, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))
            .addGap(18, 18, 18)
            .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
                .addComponent(jLabel2)
                .addComponent(jTextField2, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))
            .addGap(18, 18, 18)
            .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
                .addComponent(jLabel3)
                .addComponent(jTextField3, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))
            .addGap(18, 18, 18)
            .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
                .addComponent(jLabel4)
                .addComponent(jRadioButton1)
                .addComponent(jRadioButton2))
            .addGap(18, 18, 18)
            .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)
                .addComponent(jScrollPane1, javax.swing.GroupLayout.PREFERRED_SIZE, 0, Short.MAX_VALUE)
                .addComponent(jLabel5))
            .addGap(18, 18, 18)
            .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(18, 18, 18)
        .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
        .addComponent(jLabel7)
        .addComponent(jTextField5, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))
        .addGap(18, 18, 18)
        .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
        .addComponent(jLabel8)
        .addComponent(jTextField6, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))
        .addGap(18, 18, 18)
        .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
        .addComponent(jLabel9)
        .addComponent(jPasswordField1, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))
        .addGap(18, 18, 18)
        .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
        .addComponent(jLabel10)
        .addComponent(jPasswordField2, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))
        .addGap(18, 18, 18)
        .addComponent(jButton1)
        .addGap(24, 24, 24))
    );

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

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

private void jTextField3ActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
}

private void jButton1ActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
}

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

private void jTextField4ActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
}

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

private void jButton1ActionPerformed(java.awt.event.ActionEvent evt) {
    if(jTextField1.getText().isEmpty() || jTextField2.getText().isEmpty() || jTextField3.getText().isEmpty() ||
jTextField4.getText().isEmpty() || jTextField5.getText().isEmpty() || jTextField6.getText().isEmpty() ||
jTextArea1.getText().isEmpty() || jPasswordField1.getText().isEmpty() || jPasswordField2.getText().isEmpty() ||
buttonGroup1.getSelection() == null){
        JOptionPane.showMessageDialog(null, "Please fill all the Fields");
    }
}

```

```

    }
    else if(String.valueOf(jPasswordField1.getPassword()).length()<6 ||
String.valueOf(jPasswordField1.getPassword()).length()>20 || String.valueOf(jPasswordField2.getPassword()).length()<6 ||
String.valueOf(jPasswordField2.getPassword()).length()>20 ||
!(String.valueOf(jPasswordField1.getPassword()).equals(String.valueOf(jPasswordField2.getPassword())))){
        JOptionPane.showMessageDialog(null, "Either Password is too short or Password and re-entered password does not
match");
    }
    else{
        String name=jTextField1.getText();
        String dob=jTextField2.getText();
        String mobno=jTextField3.getText();
        long mob=Long.parseLong(mobno);
        String gender="";
        if(jRadioButton1.isSelected()){
            gender="M";
        }
        else if(jRadioButton2.isSelected()){
            gender="F";
        }
        else{
            gender="N";
        }
        String add=jTextArea1.getText();
        String aadhaar=jTextField4.getText();
        long aadhaar=Long.parseLong(aadhaar);
        String email=jTextField5.getText();
        String uname=jTextField6.getText();
        String psw=String.valueOf(jPasswordField1.getPassword());
        long acc = new Banking().gen_AccountNum();
        try{
            Class.forName("oracle.jdbc.driver.OracleDriver");
            Connection con = DriverManager.getConnection("jdbc:oracle:thin:@localhost:1521:xe","system","rakshit");
            Statement st= con.createStatement();
            PreparedStatement stmt=con.prepareStatement("INSERT INTO
KYC(ACCNO,EMAIL,AADHAAR,NAME,DOB,REG_MOB,ADDRESS,GENDER) VALUES (?,?,,?,TO_DATE(?, 'dd/mm/yyyy'),?,?,?)");
            //ResultSet rs=st.executeQuery("INSERT INTO
KYC('ACCNO','EMAIL','AADHAAR','NAME','DOB','REG_MOB','ADDRESS','GENDER') VALUES
(acc,email,aadhaar,name,TO_DATE(dob, 'dd/mm/yyyy'),mob,add,gender)");
            stmt.setLong(1,acc);
            stmt.setString(2,email);
            stmt.setLong(3,aadhaar);
            stmt.setString(4,name);
            stmt.setString(5,dob);
            stmt.setLong(6,mob);
            stmt.setString(7,add);
            stmt.setString(8,gender);
            stmt.executeUpdate();

            stmt=con.prepareStatement("INSERT INTO USER_LOG(USERNAME, ACCNO, PASSWORD) VALUES (?,?,?)");
            stmt.setString(1, uname);
            stmt.setLong(2, acc);
            stmt.setString(3, psw);
            stmt.executeUpdate();

            stmt=con.prepareStatement("INSERT INTO ACC_DET(ACCNO, BAL) VALUES (?,?)");
            stmt.setLong(1, acc);
            stmt.setDouble(2, 0.00);
            stmt.executeUpdate();

```

```

con.close();
JOptionPane.showMessageDialog(null, "Successfully Registered");
new page1().setVisible(true);
dispose();
}
catch(Exception e){
    JOptionPane.showMessageDialog(null, e);
}
}

// TODO add your handling code here:
}

/**
 * @param args the command line arguments
 */
public static void main(String args[]) {
    /* Set the Nimbus look and feel */
    //<editor-fold defaultstate="collapsed" desc=" Look and feel setting code (optional) ">
    /* If Nimbus (introduced in Java SE 6) is not available, stay with the default look and feel.
     * For details see http://download.oracle.com/javase/tutorial/uiswing/lookandfeel/plaf.html
     */
    try {
        for (javax.swing.UIManager.LookAndFeelInfo info : javax.swing.UIManager.getInstalledLookAndFeels()) {
            if ("Nimbus".equals(info.getName())) {
                javax.swing.UIManager.setLookAndFeel(info.getClassName());
                break;
            }
        }
    } catch (ClassNotFoundException ex) {
        java.util.logging.Logger.getLogger(signup1.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
    } catch (InstantiationException ex) {
        java.util.logging.Logger.getLogger(signup1.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
    } catch (IllegalAccessException ex) {
        java.util.logging.Logger.getLogger(signup1.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
    } catch (javax.swing.UnsupportedLookAndFeelException ex) {
        java.util.logging.Logger.getLogger(signup1.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 signup1().setVisible(true);
    }
});
}

// Variables declaration - do not modify
private javax.swing.ButtonGroup buttonGroup1;
private javax.swing.JButton jButton1;
private javax.swing.JLabel jLabel1;
private javax.swing.JLabel jLabel10;
private javax.swing.JLabel jLabel11;
private javax.swing.JLabel jLabel2;
private javax.swing.JLabel jLabel3;
private javax.swing.JLabel jLabel4;
private javax.swing.JLabel jLabel5;
private javax.swing.JLabel jLabel6;

```

```
private javax.swing.JLabel jLabel7;  
private javax.swing.JLabel jLabel8;  
private javax.swing.JLabel jLabel9;  
private javax.swing.JPasswordField jPasswordField1;  
private javax.swing.JPasswordField jPasswordField2;  
private javax.swing.JRadioButton jRadioButton1;  
private javax.swing.JRadioButton jRadioButton2;  
private javax.swing.JScrollPane jScrollPane1;  
private javax.swing.JTextArea jTextArea1;  
private javax.swing.JTextField jTextField1;  
private javax.swing.JTextField jTextField2;  
private javax.swing.JTextField jTextField3;  
private javax.swing.JTextField jTextField4;  
private javax.swing.JTextField jTextField5;  
private javax.swing.JTextField jTextField6;  
// End of variables declaration  
}
```

forgotPSW.java

```
/*
 * To change this license header, choose License Headers in Project Properties.
 * To change this template file, choose Tools | Templates
 * and open the template in the editor.
 */
package banking;
import java.sql.*;
import javax.swing.JOptionPane;

/**
 *
 * @author rjrak
 */
public class forgotPSW extends javax.swing.JFrame {

    /**
     * Creates new form forgotPSW
     */
    public long otp=0;
    public String email="";
    public forgotPSW() {
        initComponents();
        jLabel3.setVisible(false);
        jTextField2.setVisible(false);
        jButton2.setVisible(false);
    }

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

        jLabel1 = new javax.swing.JLabel();
        jLabel2 = new javax.swing.JLabel();
        jTextField1 = new javax.swing.JTextField();
        jButton1 = new javax.swing.JButton();
        jLabel3 = new javax.swing.JLabel();
        jTextField2 = new javax.swing.JTextField();
        jButton2 = new javax.swing.JButton();

        setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);

        jLabel1.setFont(new java.awt.Font("Franklin Gothic Book", 1, 72)); // NOI18N
        jLabel1.setText("VIT NETBANKING");

        jLabel2.setFont(new java.awt.Font("Franklin Gothic Book", 1, 36)); // NOI18N
        jLabel2.setText("USERNAME");

        jTextField1.setFont(new java.awt.Font("Franklin Gothic Book", 1, 36)); // NOI18N

        jButton1.setFont(new java.awt.Font("Franklin Gothic Book", 1, 36)); // NOI18N
        jButton1.setText("SUBMIT");
        jButton1.addActionListener(new java.awt.event.ActionListener() {
```



```

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

    jLabel3.setFont(new java.awt.Font("Franklin Gothic Book", 1, 36)); // NOI18N
    jLabel3.setText("ONE TIME PASSWORD");

    jTextField2.setFont(new java.awt.Font("Franklin Gothic Book", 1, 36)); // NOI18N

    jButton2.setFont(new java.awt.Font("Franklin Gothic Book", 1, 36)); // NOI18N
    jButton2.setText("VERIFY");
    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()
                .addGap(404, 404, 404)
                .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.CENTER)
                    .addComponent(jLabel2)
                    .addComponent(jTextField1, javax.swing.GroupLayout.PREFERRED_SIZE, 413,
javax.swing.GroupLayout.PREFERRED_SIZE)
                    .addComponent(jButton1)
                    .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.CENTER)
                        .addComponent(jLabel3)
                        .addComponent(jTextField2, javax.swing.GroupLayout.DEFAULT_SIZE, 635, Short.MAX_VALUE)
                        .addComponent(jButton2))
                    .addComponent(jLabel1))
                .addGap(378, 378, 378))
    );
    layout.setVerticalGroup(
        layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(layout.createSequentialGroup()
                .addGap(27, 27, 27)
                .addComponent(jLabel1)
                .addGap(62, 62, 62)
                .addComponent(jLabel2)
                .addGap(18, 18, 18)
                .addComponent(jTextField1, javax.swing.GroupLayout.PREFERRED_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
                .addGap(18, 18, 18)
                .addComponent(jButton1)
                .addGap(122, 122, 122)
                .addComponent(jLabel3)
                .addGap(18, 18, 18)
                .addComponent(jTextField2, javax.swing.GroupLayout.PREFERRED_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
                .addGap(18, 18, 18)
                .addComponent(jButton2)
                .addGap(161, 161, 161))
    );

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

```

```

private void jButton1ActionPerformed(java.awt.event.ActionEvent evt) {
    try{
        Class.forName("oracle.jdbc.driver.OracleDriver");
        Connection con = DriverManager.getConnection("jdbc:oracle:thin:@localhost:1521:xe","system","rakshit");
        Statement st= con.createStatement();
        PreparedStatement stmt= con.prepareStatement("SELECT * FROM USER_LOG WHERE
        USERNAME=?",ResultSet.TYPE_SCROLL_INSENSITIVE,ResultSet.CONCUR_READ_ONLY);
        stmt.setString(1, jTextField1.getText());
        ResultSet rs=stmt.executeQuery();
        rs.last();
        if(rs.getRow()==1)
        {
            rs.absolute(1);
            stmt=con.prepareStatement("SELECT EMAIL FROM KYC WHERE
            ACCNO=?",ResultSet.TYPE_SCROLL_INSENSITIVE,ResultSet.CONCUR_READ_ONLY);
            stmt.setLong(1, rs.getLong("ACCNO"));
            rs=stmt.executeQuery();
            rs.absolute(1);
            otp=new Banking().SendMailbySite(rs.getString("EMAIL"));
            email=rs.getString("EMAIL");
            jTextField2.setVisible(true);
            jLabel3.setVisible(true);
            jButton2.setVisible(true);
        }
        con.close();

    }catch(Exception e){
    } // TODO add your handling code here:
}

private void jButton2ActionPerformed(java.awt.event.ActionEvent evt) {
    if(otp==Long.parseLong(jTextField2.getText())){
        new Banking().SendMailbySiteText(email, jTextField1.getText());
        new page1().setVisible(true);
        dispose();
    } // TODO add your handling code here:
}

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

```

```
} catch (IllegalAccessException ex) {
    java.util.logging.Logger.getLogger(forgotPSW.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
} catch (javax.swing.UnsupportedLookAndFeelException ex) {
    java.util.logging.Logger.getLogger(forgotPSW.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 forgotPSW().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.JTextField jTextField1;
private javax.swing.JTextField jTextField2;
// End of variables declaration
}
```

updateForm.java

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

/**
 *
 * @author rjrak
 */
public class updateForm extends javax.swing.JFrame {

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

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

        jLabel1 = new javax.swing.JLabel();
        jLabel2 = new javax.swing.JLabel();
        jLabel5 = new javax.swing.JLabel();
        jTextField1 = new javax.swing.JTextField();
        jTextField2 = new javax.swing.JTextField();
        jScrollPane1 = new javax.swing.JScrollPane();
        jTextArea1 = new javax.swing.JTextArea();
        jButton1 = new javax.swing.JButton();
        jLabel11 = new javax.swing.JLabel();

        setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);

        jLabel1.setFont(new java.awt.Font("Franklin Gothic Book", 1, 36)); // NOI18N
        jLabel1.setText("Name");

        jLabel2.setFont(new java.awt.Font("Franklin Gothic Book", 1, 36)); // NOI18N
        jLabel2.setText("Date of Birth");

        jLabel5.setFont(new java.awt.Font("Franklin Gothic Book", 1, 36)); // NOI18N
        jLabel5.setText("Address");

        jTextField1.setFont(new java.awt.Font("Franklin Gothic Book", 1, 30)); // NOI18N

        jTextField2.setFont(new java.awt.Font("Franklin Gothic Book", 1, 30)); // NOI18N
        jTextField2.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {

```

```

        jTextField2ActionPerformed(evt);
    }
});

jTextArea1.setColumns(20);
jTextArea1.setRows(5);
jScrollPane1.setViewportView(jTextArea1);

jButton1.setFont(new java.awt.Font("Franklin Gothic Book", 1, 36)); // NOI18N
jButton1.setText("SUBMIT");
jButton1.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jButton1ActionPerformed(evt);
    }
});

jLabel11.setFont(new java.awt.Font("Franklin Gothic Book", 1, 60)); // NOI18N
jLabel11.setText("UPDATE");

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(526, 526, 526)
            .addComponent(jButton1)
            .addGap(509, Short.MAX_VALUE)
            .addGroup(javax.swing.GroupLayout.Alignment.TRAILING, layout.createSequentialGroup()
                .addGap(450, 450, 450)
                .addComponent(jLabel11)
                .addGap(185, 185, 185)
                .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)
                    .addComponent(jScrollPane1)
                    .addComponent(jTextField1)
                    .addComponent(jTextField2, javax.swing.GroupLayout.PREFERRED_SIZE, 521,
javax.swing.GroupLayout.PREFERRED_SIZE)
                    .addGap(129, 129, 129))))
        .addGroup(layout.createSequentialGroup()
            .addGap(23, Short.MAX_VALUE)
            .addComponent(jLabel11)
            .addGap(226, 226, 226)
            .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
                .addComponent(jLabel1)
                .addComponent(jTextField1, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
                .addGap(18, 18, 18)
                .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
                    .addComponent(jLabel2)

```

```

        .addComponent(jTextField2, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))
        .addGap(18, 18, 18)
        .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)
            .addComponent(jScrollPane1, javax.swing.GroupLayout.PREFERRED_SIZE, 0, Short.MAX_VALUE)
            .addComponent(jLabel5))
        .addGap(247, 247, 247)
        .addComponent(jButton1)
        .addGap(24, 24, 24)
    );

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

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

private void jButton1ActionPerformed(java.awt.event.ActionEvent evt) {
    /* if(jTextField1.getText().isEmpty() || jTextField2.getText().isEmpty() || jTextField3.getText().isEmpty() ||
jTextField4.getText().isEmpty() || jTextField5.getText().isEmpty() || jTextField6.getText().isEmpty() ||
jTextArea1.getText().isEmpty() || jPasswordField1.getText().isEmpty() || jPasswordField2.getText().isEmpty() ||
buttonGroup1.getSelection() == null){
        JOptionPane.showMessageDialog(null, "Please fill all the Fields");
    }
    else if(String.valueOf(jPasswordField1.getPassword()).length() < 6 ||
String.valueOf(jPasswordField1.getPassword()).length() > 20 || String.valueOf(jPasswordField2.getPassword()).length() < 6 ||
String.valueOf(jPasswordField2.getPassword()).length() > 20 ||
!(String.valueOf(jPasswordField1.getPassword()).equals(String.valueOf(jPasswordField2.getPassword())))){
        JOptionPane.showMessageDialog(null, "Either Password is too short or Password and re-entered password does not
match");
    }
    else{
        String name = jTextField1.getText();
        String dob = jTextField2.getText();
        String mobno = jTextField3.getText();
        long mob = Long.parseLong(mobno);
        String gender = "";
        if(jRadioButton1.isSelected()){
            gender = "M";
        }
        else if(jRadioButton2.isSelected()){
            gender = "F";
        }
        else{
            gender = "N";
        }
        String add = jTextArea1.getText();
        String aadhaar = jTextField4.getText();
        long aadhaar = Long.parseLong(aadhaar);
        String email = jTextField5.getText();
        String uname = jTextField6.getText();
        String psw = String.valueOf(jPasswordField1.getPassword());
        long acc = new Banking().gen_AccountNum();
        try{
            Class.forName("oracle.jdbc.driver.OracleDriver");
            Connection con = DriverManager.getConnection("jdbc:oracle:thin:@localhost:1521:xe","system","rakshit");
            Statement st = con.createStatement();
            PreparedStatement stmt = con.prepareStatement("INSERT INTO
KYC(ACCNO,EMAIL,AADHAAR,NAME,DOB,REG_MOB,ADDRESS,GENDER) VALUES (?,?,,?,TO_DATE(?, 'dd/mm/yyyy'),?,?,?)");

```

```

        //ResultSet rs=st.executeQuery("INSERT INTO
KYC('ACCNO','EMAIL','AADHAAR','NAME','DOB','REG_MOB','ADDRESS','GENDER') VALUES
(acc,email,aadhaar,name,TO_DATE(dob, 'dd/mm/yyyy'),mob,add,gender)");
        stmt.setLong(1,acc);
        stmt.setString(2,email);
        stmt.setLong(3,aadhaar);
        stmt.setString(4,name);
        stmt.setString(5,dob);
        stmt.setLong(6,mob);
        stmt.setString(7,add);
        stmt.setString(8,gender);
        stmt.executeUpdate();

        stmt=con.prepareStatement("INSERT INTO USER_LOG(USERNAME, ACCNO, PASSWORD) VALUES (?,?,?)");
        stmt.setString(1, uname);
        stmt.setLong(2, acc);
        stmt.setString(3, psw);
        stmt.executeUpdate();

        stmt=con.prepareStatement("INSERT INTO ACC_DET(ACCNO, BAL) VALUES (?,?)");
        stmt.setLong(1, acc);
        stmt.setDouble(2, 0.00);
        stmt.executeUpdate();

        con.close();
        JOptionPane.showMessageDialog(null, "Successfully Registered");
        new page1().setVisible(true);
        dispose();
    }
    catch(Exception e){
        JOptionPane.showMessageDialog(null, e);
    }
}
*/
// TODO add your handling code here:
}

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

```

```
    } catch (javax.swing.UnsupportedLookAndFeelException ex) {
        java.util.logging.Logger.getLogger(updateForm.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 updateForm().setVisible(true);
    }
});
}
```

```
// Variables declaration - do not modify
private javax.swing.JButton jButton1;
private javax.swing.JLabel jLabel1;
private javax.swing.JLabel jLabel11;
private javax.swing.JLabel jLabel2;
private javax.swing.JLabel jLabel5;
private javax.swing.JScrollPane jScrollPane1;
private javax.swing.JTextArea jTextArea1;
private javax.swing.JTextField jTextField1;
private javax.swing.JTextField jTextField2;
// End of variables declaration
}
```