

# BACK-END

## DATABASE:

```
CREATE DATABASE 'emailsoftware';
```

## ACCOUNT:

```
CREATE TABLE `account` (  
  `id` INT(11) NOT NULL AUTO_INCREMENT,  
  `fname` LONGTEXT NULL,  
  `lname` LONGTEXT NULL,  
  `username` LONGTEXT NULL,  
  `password` LONGTEXT NULL,  
  `phonenum` LONGTEXT NULL,  
  PRIMARY KEY (`id`)  
);
```

## EMAIL:

```
CREATE TABLE `email` (  
  `sender` LONGTEXT NULL,  
  `receiver` LONGTEXT NULL,  
  `content` LONGTEXT NULL,  
  `date` LONGTEXT NULL,  
  `id` INT(11) NOT NULL AUTO_INCREMENT,  
  `subject` LONGTEXT NULL,  
  `status` LONGTEXT NULL,  
  PRIMARY KEY (`id`)  
);
```

# FRONT-END

## **STARTING PAGE:**

```
package email;
```

```
import email.Home2;
import java.awt.event.ActionEvent;
import java.awt.event.ActionListener;
import java.io.File;
import java.net.MalformedURLException;
import java.net.URL;
import static javafx.scene.control.ButtonType.CLOSE;
import javax.swing.JFrame;
import javax.swing.Timer;
```

```
/*
 * 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.
 */
```

```
/**
 *
 * @author Admin
 */
```

```
public class startingpage extends javax.swing.JFrame {
```

```
/**
 * Creates new form startingpage
 */
```

```
public startingpage() {
    initComponents();
    this.setLocationRelativeTo(null);
    int delay = 1000;

    Timer timer;
    timer = new Timer(delay, new ActionListener() {
        public void actionPerformed(ActionEvent e) {
            Home2 jf = new Home2();
            jf.setVisible(true);
            dispose();
        }
    });
    timer.setRepeats(false);
    timer.start();
}
```

```

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

    jPanel1 = new javax.swing.JPanel();
    jLabel1 = new javax.swing.JLabel();

    setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);
    setTitle("SECURE MAIL");
    setPreferredSize(new java.awt.Dimension(558, 440));

    jLabel1.setIcon(new javax.swing.ImageIcon("C:\\College
Projects\\email\\LOGO\\sm1.jpeg")); // NOI18N

    javax.swing.GroupLayout jPanel1Layout = new javax.swing.GroupLayout(jPanel1);
    jPanel1.setLayout(jPanel1Layout);
    jPanel1Layout.setHorizontalGroup(
        jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(jPanel1Layout.createSequentialGroup()
                .addComponent(jLabel1, javax.swing.GroupLayout.PREFERRED_SIZE, 558,
javax.swing.GroupLayout.PREFERRED_SIZE)
                .addGap(0, 0, Short.MAX_VALUE))
            );
    jPanel1Layout.setVerticalGroup(
        jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(jPanel1Layout.createSequentialGroup()
                .addComponent(jLabel1, javax.swing.GroupLayout.PREFERRED_SIZE, 440,
javax.swing.GroupLayout.PREFERRED_SIZE)
                .addGap(0, 0, Short.MAX_VALUE))
            );

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

    pack();

```

```

} // </editor-fold>

/**
 * @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(startingpage.class.getName()).log(java.util.logging.Level.
        SEVERE, null, ex);
    } catch (InstantiationException ex) {

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

        java.util.logging.Logger.getLogger(startingpage.class.getName()).log(java.util.logging.Level.
        SEVERE, null, ex);
    } catch (javax.swing.UnsupportedLookAndFeelException ex) {
        java.util.logging.Logger.getLogger(startingpage.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 startingpage().setVisible(true);
        }
    });
}
// Variables declaration - do not modify
private javax.swing.JLabel jLabel1;
private javax.swing.JPanel jPanel1;
// End of variables declaration
}

```

## **HOME PAGE:**

```
/*
 * 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 email;
/**
 *
 * @author Admin
 */
public class Home2 extends javax.swing.JFrame {

    /**
     * Creates new form Home2
     */
    public Home2() {
        initComponents();
        this.setLocationRelativeTo(null);
    }

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

        jPanel1 = new javax.swing.JPanel();
        login = new javax.swing.JButton();
        signup = new javax.swing.JButton();
        exit = new javax.swing.JButton();
        jLabel3 = new javax.swing.JLabel();
        jLabel2 = new javax.swing.JLabel();
        jLabel1 = new javax.swing.JLabel();

        setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);
        setTitle("SMAIL");

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

        login.setText("LOGIN");
        login.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                loginActionPerformed(evt);
            }
        })
    }
}
```

```

});
jPanel1.add(login);
login.setBounds(110, 250, 130, 40);

signup.setText("SIGN UP");
signup.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        signupActionPerformed(evt);
    }
});
jPanel1.add(signup);
signup.setBounds(330, 250, 140, 40);

exit.setText("EXIT");
exit.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        exitActionPerformed(evt);
    }
});
jPanel1.add(exit);
exit.setBounds(465, 393, 70, 30);

jLabel3.setIcon(new javax.swing.ImageIcon("C:\\College
Projects\\email\\LOGO\\logocnf4.png")); // NOI18N
jPanel1.add(jLabel3);
jLabel3.setBounds(20, 120, 75, 77);

jLabel2.setIcon(new javax.swing.ImageIcon("C:\\College
Projects\\email\\LOGO\\name6.png")); // NOI18N
jLabel2.setText("jLabel2");
jPanel1.add(jLabel2);
jLabel2.setBounds(70, 120, 470, 80);

jLabel1.setIcon(new javax.swing.ImageIcon("C:\\College
Projects\\email\\LOGO\\home_bg.jpg")); // NOI18N
jLabel1.setText("jLabel1");
jPanel1.add(jLabel1);
jLabel1.setBounds(0, 0, 560, 440);

javax.swing.GroupLayout layout = new javax.swing.GroupLayout(getContentPane());
getContentPane().setLayout(layout);
layout.setHorizontalGroup(
    layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addComponent(jPanel1, javax.swing.GroupLayout.DEFAULT_SIZE, 558,
Short.MAX_VALUE)
);
layout.setVerticalGroup(
    layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addComponent(jPanel1, javax.swing.GroupLayout.DEFAULT_SIZE, 440,
Short.MAX_VALUE)

```

```

    );

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

private void loginActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
    dispose();
    login jf1 = new login();
    jf1.setVisible(true);
}

private void signupActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
    dispose();
    signup jf1 = new signup();
    jf1.setVisible(true);
}

private void exitActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
    System.exit(0);
}

/**
 * @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(Home2.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
    } catch (InstantiationException ex) {

```

```

java.util.logging.Logger.getLogger(Home2.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
    } catch (IllegalAccessException ex) {

java.util.logging.Logger.getLogger(Home2.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
    } catch (javax.swing.UnsupportedLookAndFeelException ex) {

java.util.logging.Logger.getLogger(Home2.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 Home2().setVisible(true);
    }
});
}

// Variables declaration - do not modify
private javax.swing.JButton exit;
private javax.swing.JLabel jLabel1;
private javax.swing.JLabel jLabel2;
private javax.swing.JLabel jLabel3;
private javax.swing.JPanel jPanel1;
private javax.swing.JButton login;
private javax.swing.JButton signup;
// End of variables declaration
}

```

## **SIGN-UP PAGE:**

```

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

```



```

* and open the template in the editor.
*/
package email;

import com.mysql.jdbc.Statement;
import java.sql.ResultSet;
import java.sql.SQLException;
import java.util.Random;
import javax.swing.DefaultListModel;
import javax.swing.JOptionPane;

/**
 *
 * @author Admin
 */
public class signup extends javax.swing.JFrame {

    /**
     * Creates new form signup
     */
    public signup() {
        initComponents();
        this.setLocationRelativeTo(null);
        Random rand = new Random();
        StringBuilder stringBuilder = new StringBuilder("");
        char[] chars =
{'a','b','c','d','e','f','g','h','i','j','k','l','m','n','o','p','q','r','s','t','u','v','w','x','y','z','A','B','C','D','E','F','G','H','I','J','K','L','M','N','O','P','Q','R','S','T','U','V','W','X','Y','Z','1','2','3','4','5','6','7','8','9','0'};
        for (int i = 0; i < 5; ++i) {
            char selectedChar = chars[rand.nextInt(chars.length)];
            stringBuilder.append(selectedChar);
        }
        String string = stringBuilder.toString();
        captchacode.setText(string);
    }

    /**
     * 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() {

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

```

```

jLabel4 = new javax.swing.JLabel();
jLabel5 = new javax.swing.JLabel();
fn = new javax.swing.JTextField();
ln = new javax.swing.JTextField();
pn = new javax.swing.JTextField();
cpass = new javax.swing.JPasswordField();
pass = new javax.swing.JPasswordField();
submit = new javax.swing.JButton();
jButton2 = new javax.swing.JButton();
jLabel7 = new javax.swing.JLabel();
jLabel8 = new javax.swing.JLabel();
captchacodetf = new javax.swing.JTextField();
jLabel10 = new javax.swing.JLabel();
captchacode = new javax.swing.JTextField();

jLabel6.setText("jLabel6");

setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);
setTitle("SIGNUP");

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

jLabel1.setFont(new java.awt.Font("Times New Roman", 1, 14)); // NOI18N
jLabel1.setText("First Name:");

jLabel2.setFont(new java.awt.Font("Times New Roman", 1, 14)); // NOI18N
jLabel2.setText("Last Name:");

jLabel3.setFont(new java.awt.Font("Times New Roman", 1, 14)); // NOI18N
jLabel3.setText("Password:");

jLabel4.setFont(new java.awt.Font("Times New Roman", 1, 14)); // NOI18N
jLabel4.setText("Confirm Password:");

jLabel5.setFont(new java.awt.Font("Times New Roman", 1, 14)); // NOI18N
jLabel5.setText("Phone Number:");

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

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

submit.setText("Submit");

```

```

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

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

jLabel7.setFont(new java.awt.Font("Times New Roman", 1, 36)); // NOI18N
jLabel7.setText("SIGN UP");

jLabel8.setFont(new java.awt.Font("Times New Roman", 1, 14)); // NOI18N
jLabel8.setText("Captcha Code:");

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

jLabel10.setFont(new java.awt.Font("Times New Roman", 1, 14)); // NOI18N
jLabel10.setText("Enter Code:");

captchacode.setEditable(false);
captchacode.setFont(new java.awt.Font("Times New Roman", 1, 22)); // NOI18N
captchacode.setForeground(new java.awt.Color(255, 0, 51));
captchacode.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        captchacodeActionPerformed(evt);
    }
});

javax.swing.GroupLayout jPanel1Layout = new javax.swing.GroupLayout(jPanel1);
jPanel1.setLayout(jPanel1Layout);
jPanel1Layout.setHorizontalGroup(
    jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel1Layout.createSequentialGroup()
            .addGap(191, 191, 191)
            .addComponent(jLabel7)
            .addGap(Short.MAX_VALUE))
        .addGroup(jPanel1Layout.createSequentialGroup()
            .addContainerGap()
            .addComponent(captchacode)
            .addContainerGap()));
jPanel1Layout.setVerticalGroup(
    jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel1Layout.createSequentialGroup()
            .addContainerGap()
            .addComponent(jLabel7)
            .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
            .addComponent(captchacode)
            .addContainerGap()));

```

```
.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING)
```

```
    .addGroup(jPanel1Layout.createSequentialGroup()  
        .addGap(152, 152, 152)  
        .addComponent(jButton2, javax.swing.GroupLayout.DEFAULT_SIZE, 73,  
Short.MAX_VALUE)  
        .addGap(70, 70, 70)  
        .addComponent(submit, javax.swing.GroupLayout.DEFAULT_SIZE, 85,  
Short.MAX_VALUE)  
        .addGap(11, 11, 11))  
    .addGroup(jPanel1Layout.createSequentialGroup()  
        .addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE,  
Short.MAX_VALUE)
```

```
.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING, false)
```

```
    .addGroup(jPanel1Layout.createSequentialGroup()  
        .addComponent(jLabel1)
```

```
.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED,  
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)  
    .addComponent(fn, javax.swing.GroupLayout.PREFERRED_SIZE, 148,  
javax.swing.GroupLayout.PREFERRED_SIZE))  
    .addGroup(jPanel1Layout.createSequentialGroup()  
        .addComponent(jLabel2)
```

```
.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED,  
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)  
    .addComponent(ln, javax.swing.GroupLayout.PREFERRED_SIZE, 149,  
javax.swing.GroupLayout.PREFERRED_SIZE))  
    .addGroup(jPanel1Layout.createSequentialGroup()
```

```
.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING, false)
```

```
    .addGroup(jPanel1Layout.createSequentialGroup()
```

```
.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
```

```
    .addComponent(jLabel5)  
    .addComponent(jLabel8))  
    .addGap(21, 21, 21))  
    .addComponent(jLabel4)  
    .addGroup(jPanel1Layout.createSequentialGroup()  
        .addGap(10, 10, 10)  
        .addComponent(captchacode)))  
    .addGap(18, 18, 18)
```

```
.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
```

```

        .addGroup(jPanel1Layout.createSequentialGroup()
            .addGap(10, 10, 10)
            .addComponent(captchacodetf,
                javax.swing.GroupLayout.PREFERRED_SIZE, 138,
                javax.swing.GroupLayout.PREFERRED_SIZE))

        .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING, false)
            .addComponent(cpass)
            .addComponent(pn)
            .addComponent(pass,
                javax.swing.GroupLayout.Alignment.LEADING,
                javax.swing.GroupLayout.PREFERRED_SIZE, 148,
                javax.swing.GroupLayout.PREFERRED_SIZE)
            .addComponent(jLabel10,
                javax.swing.GroupLayout.Alignment.LEADING))))
            .addComponent(jLabel3,
                javax.swing.GroupLayout.Alignment.LEADING))))
            .addGap(167, 167, 167))
    );
    jPanel1Layout.setVerticalGroup(
        jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(jPanel1Layout.createSequentialGroup()
                .addGap(25, 25, 25)
                .addComponent(jLabel7)
                .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED, 21,
                    Short.MAX_VALUE)

            .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
                .addComponent(fn, javax.swing.GroupLayout.PREFERRED_SIZE, 29,
                    javax.swing.GroupLayout.PREFERRED_SIZE)
                .addComponent(jLabel1))
                .addGap(18, 18, 18)

            .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
                .addComponent(ln, javax.swing.GroupLayout.PREFERRED_SIZE, 29,
                    javax.swing.GroupLayout.PREFERRED_SIZE)
                .addComponent(jLabel2))
                .addGap(18, 18, 18)

            .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
                .addComponent(pass, javax.swing.GroupLayout.PREFERRED_SIZE, 29,
                    javax.swing.GroupLayout.PREFERRED_SIZE)
                .addComponent(jLabel3))
                .addGap(18, 18, 18)

```

```

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
jPanel1Layout.createSequentialGroup())

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
    .addComponent(cpass, javax.swing.GroupLayout.PREFERRED_SIZE, 29,
javax.swing.GroupLayout.PREFERRED_SIZE)
    .addComponent(jLabel4))
    .addGap(47, 47, 47))
    .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
    .addComponent(jLabel5)
    .addComponent(pn, javax.swing.GroupLayout.PREFERRED_SIZE, 29,
javax.swing.GroupLayout.PREFERRED_SIZE)))
    .addGap(20, 20, 20)

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
    .addComponent(jLabel10)
    .addComponent(jLabel8))
    .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
    .addComponent(captchacodetf, javax.swing.GroupLayout.PREFERRED_SIZE,
33, javax.swing.GroupLayout.PREFERRED_SIZE)
    .addComponent(captchacode, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE))
    .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)
    .addComponent(submit, javax.swing.GroupLayout.DEFAULT_SIZE, 30,
Short.MAX_VALUE)
    .addComponent(jButton2, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))
    .addGap(19, 19, 19))
);

javax.swing.GroupLayout layout = new javax.swing.GroupLayout(getContentPane());
getContentPane().setLayout(layout);
layout.setHorizontalGroup(
    layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addComponent(jPanel1, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
);

```

```

        layout.setVerticalGroup(
            layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                .addComponent(jPanel1, javax.swing.GroupLayout.DEFAULT_SIZE,
                    javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
        );

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

```

```

private void submitActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
    if(captchacode.getText().equals(captchacodetf.getText())){
        try {
            Statement s =(Statement) db.mycon().createStatement();
            ResultSet rs = s.executeQuery("Select * from account;");
            int id=0;int check=0;
            String fnv = fn.getText();
            String lnv = ln.getText();
            String passstr = pass.getText();
            String cpassstr = cpass.getText();
            String phn=pn.getText();
            if(fnv.length()==0)
            {
                JOptionPane.showMessageDialog(null,"Enter Firstname!");
                check++;
            }
            if(lnv.length()==0)
            {
                JOptionPane.showMessageDialog(null,"Enter Lastname!");
                check++;
            }
            for(int i=0;i<fnv.length();i++)
            {
                if(!((fnv.charAt(i)>='a' && fnv.charAt(i)<='z')||(fnv.charAt(i)>='A' &&
fnv.charAt(i)<='Z'))){
                    JOptionPane.showMessageDialog(null,"Incorrect Firstname!");
                    check++;
                    break;
                }
            }
            for(int i=0;i<lnv.length();i++)
            {
                if(!((lnv.charAt(i)>='a' && lnv.charAt(i)<='z')||(lnv.charAt(i)>='A' &&
lnv.charAt(i)<='Z'))){
                    JOptionPane.showMessageDialog(null,"Incorrect Lastname!");
                    check++;
                    break;
                }
            }
            if(!(passstr.equals(cpassstr)))

```

```

{
    JOptionPane.showMessageDialog(null,"Password doesn't match!");
    check++;
}
else
{
    if(passsstr.length()<8)
    {
        JOptionPane.showMessageDialog(null,"Password must have minimum of 8
characters!");
        check++;
    }
}
if(phn.length()!=10)
{
    JOptionPane.showMessageDialog(null,"Incorrect Phone Number!");
    check++;
}
if(check==0){
int phno = Integer.parseInt(pn.getText());
String un = fnv.concat(lnv).toLowerCase();
while(rs.next()){
    id=Integer.parseInt(rs.getString("id"));
}
id++;
String ids = String.valueOf(id);
un=un.concat(ids);
un=un.concat("@smail.com");
fnv=encryption.encripfun(fnv);
lnv=encryption.encripfun(lnv);
un=encryption.encripfun(un);
passsstr=encryption.encripfun(passsstr);
phn=encryption.encripfun(phn);
int rs1 = s.executeUpdate("Insert into
account(id,fname,lname,username,password,phonenum) values(" + id + "," + fnv + "," + lnv
+ "," + un + "," + passsstr + "," + phn + ")");
//rs1=1
if(rs1==1){
    JOptionPane.showMessageDialog(null,"Success! Your USERNAME is:
"+decription.decripfun(un));
    dispose();
    login jf1 = new login();
    jf1.setVisible(true);
}
else{
    JOptionPane.showMessageDialog(null,"Account creation Unsuccessful! Try again
later!");
}

s.close();

```



```

    }
}
catch (SQLException e) {
    System.out.println(e);
}
}
else
    JOptionPane.showMessageDialog(null, "Enter Valid Captcha Code!");
}

private void jButton2ActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
    dispose();
    Home2 jf1 = new Home2();
    jf1.setVisible(true);
}

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

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

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

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

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

```

```

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

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

java.util.logging.Logger.getLogger(signup.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
    } catch (javax.swing.UnsupportedLookAndFeelException ex) {
java.util.logging.Logger.getLogger(signup.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 signup().setVisible(true);
    }
});
}
// Variables declaration - do not modify
private javax.swing.JTextField captchacode;
private javax.swing.JTextField captchacodetf;
private javax.swing.JPasswordField cpass;
private javax.swing.JTextField fn;
private javax.swing.JButton jButton2;
private javax.swing.JLabel jLabel1;
private javax.swing.JLabel jLabel10;
private javax.swing.JLabel jLabel2;
private javax.swing.JLabel jLabel3;
private javax.swing.JLabel jLabel4;
private javax.swing.JLabel jLabel5;
private javax.swing.JLabel jLabel6;
private javax.swing.JLabel jLabel7;
private javax.swing.JLabel jLabel8;
private javax.swing.JPanel jPanel1;
private javax.swing.JTextField ln;
private javax.swing.JPasswordField pass;
private javax.swing.JTextField pn;
private javax.swing.JButton submit;
// End of variables declaration
}

```

## **LOGIN PAGE:**

```

/*
 * 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 email;

import com.mysql.jdbc.Statement;
import java.sql.ResultSet;
import java.sql.SQLException;
import javax.swing.JOptionPane;

/**
 *
 * @author Admin
 */
public class login extends javax.swing.JFrame {

    /**
     * Creates new form login
     */
    public login() {
        initComponents();
        this.setLocationRelativeTo(null);
    }

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

        jPanel1 = new javax.swing.JPanel();
        jLabel1 = new javax.swing.JLabel();
        jLabel2 = new javax.swing.JLabel();
        un = new javax.swing.JTextField();
        pswd = new javax.swing.JPasswordField();
        login = new javax.swing.JButton();
        back = new javax.swing.JButton();
        fp = new javax.swing.JLabel();
        openeye = new javax.swing.JLabel();
        closedeye = new javax.swing.JLabel();
        viewpassword = new javax.swing.JTextField();
        jLabel3 = new javax.swing.JLabel();

        setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);
        setTitle("LOGIN");

```

```

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

jLabel1.setFont(new java.awt.Font("Times New Roman", 1, 14)); // NOI18N
jLabel1.setText("UserName:");
jPanel1.add(jLabel1);
jLabel1.setBounds(100, 180, 70, 30);

jLabel2.setFont(new java.awt.Font("Times New Roman", 1, 14)); // NOI18N
jLabel2.setText("Password:");
jPanel1.add(jLabel2);
jLabel2.setBounds(100, 220, 70, 30);
jPanel1.add(un);
un.setBounds(180, 180, 200, 30);
jPanel1.add(pswd);
pswd.setBounds(180, 220, 200, 30);

login.setText("LOGIN");
login.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        loginActionPerformed(evt);
    }
});
jPanel1.add(login);
login.setBounds(310, 300, 70, 30);

back.setText("BACK");
back.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        backActionPerformed(evt);
    }
});
jPanel1.add(back);
back.setBounds(170, 300, 70, 30);

fp.setFont(new java.awt.Font("Times New Roman", 2, 12)); // NOI18N
fp.setText("Forget Password");
fp.addMouseListener(new java.awt.event.MouseAdapter() {
    public void mouseClicked(java.awt.event.MouseEvent evt) {
        fpMouseClicked(evt);
    }
});
jPanel1.add(fp);
fp.setBounds(280, 250, 100, 20);

openeye.setIcon(new javax.swing.ImageIcon("C:\\College Projects\\email\\LOGO\\open
eye1.png")); // NOI18N
openeye.addMouseListener(new java.awt.event.MouseAdapter() {
    public void mouseClicked(java.awt.event.MouseEvent evt) {

```

```

        openeyeMouseClicked(evt);
    }
});
jPanel1.add(openeye);
openeye.setBounds(400, 220, 30, 23);

closedeye.setIcon(new javax.swing.ImageIcon("C:\\College
Projects\\email\\LOGO\\closed eye 1.png")); // NOI18N
closedeye.addMouseListener(new java.awt.event.MouseAdapter() {
    public void mouseClicked(java.awt.event.MouseEvent evt) {
        closedeyeMouseClicked(evt);
    }
});
jPanel1.add(closedeye);
closedeye.setBounds(400, 220, 27, 24);
jPanel1.add(viewpassword);
viewpassword.setBounds(180, 220, 200, 30);

jLabel3.setFont(new java.awt.Font("Times New Roman", 1, 36)); // NOI18N
jLabel3.setText("LOGIN");
jPanel1.add(jLabel3);
jLabel3.setBounds(210, 90, 140, 50);

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()
        .addComponent(jPanel1, javax.swing.GroupLayout.PREFERRED_SIZE, 558,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addGap(0, 0, Short.MAX_VALUE))
    );
layout.setVerticalGroup(
    layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
layout.createSequentialGroup()
        .addComponent(jPanel1, javax.swing.GroupLayout.PREFERRED_SIZE, 440,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addGap(0, 0, Short.MAX_VALUE))
    );

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

private void loginActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
    try {
        Statement s =(Statement) db.mycon().createStatement();
        String unv = un.getText();

```

```

String pswdv = pswd.getText();
String mp = "";
unv=encryption.enrcpfun(unv);
pswdv=encryption.enrcpfun(pswdv);
ResultSet rs = s.executeQuery("Select * from account where username = '"+unv+"'");

if(rs.next()){
    mp=rs.getString("password");
    if(mp.equals(pswdv)){
        unv=decription.decrpfun(unv);
        JOptionPane.showMessageDialog(null,"Success! Logged in with USERNAME:
"+unv);
        homepageemail jf1 = new homepageemail();
        jf1.my_update(unv);
        jf1.setVisible(true);
        dispose();
    }
    else{
        JOptionPane.showMessageDialog(null,"Incorrect Password!");
    }
}
else{
    JOptionPane.showMessageDialog(null,"Incorrect Username!");
}
s.close();
}
catch (SQLException e) {
    System.out.println(e);
}
}

private void backActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
    dispose();
    Home2 jf1 = new Home2();
    jf1.setVisible(true);
}

private void fpMouseClicked(java.awt.event.MouseEvent evt) {
    // TODO add your handling code here:
    dispose();
    forgotpass jf1 = new forgotpass();
    jf1.setVisible(true);
}

private void openeyeMouseClicked(java.awt.event.MouseEvent evt) {
    // TODO add your handling code here:
    viewpassword.setText(pswd.getText());
    pswd.setVisible(false);
    viewpassword.setVisible(true);
}

```

```

        openeye.setVisible(false);
        closedeye.setVisible(true);
    }

    private void closedeyeMouseClicked(java.awt.event.MouseEvent evt) {
        // TODO add your handling code here:
        pswd.setText(viewpassword.getText());
        viewpassword.setVisible(false);
        pswd.setVisible(true);
        openeye.setVisible(true);
        closedeye.setVisible(false);
    }

    /**
     * @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(login.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
        } catch (InstantiationException ex) {

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

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

            java.util.logging.Logger.getLogger(login.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 login().setVisible(true);
    }
});
}

// Variables declaration - do not modify
private javax.swing.JButton back;
private javax.swing.JLabel closedeye;
private javax.swing.JLabel fp;
private javax.swing.JLabel jLabel1;
private javax.swing.JLabel jLabel2;
private javax.swing.JLabel jLabel3;
private javax.swing.JPanel jPanel1;
private javax.swing.JButton login;
private javax.swing.JLabel openeye;
private javax.swing.JPasswordField pswd;
private javax.swing.JTextField un;
private javax.swing.JTextField viewpassword;
// End of variables declaration
}
```

**HOME PAGE EMAIL:**



```

/*
 * 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 email;

import java.sql.ResultSet;
import java.sql.SQLException;
import java.sql.Statement;
import javax.swing.JOptionPane;
import javax.swing.table.DefaultTableModel;
import javax.swing.table.JTableHeader;
import javax.swing.table.TableColumn;
import javax.swing.table.TableColumnModel;
import javax.swing.table.TableModel;

/**
 *
 * @author Admin
 */
public class homepageemail extends javax.swing.JFrame {

    /**
     * Creates new form homepageemail
     */
    String un;
    int check=0;//INBOX - SENT// 0-INBOX 1-SENT
    public void my_update(String str) {
        loggedin.setText(str);
        un=str;
        this.setTitle(str+" - Home");
        load_mail();
    }
    public homepageemail() {
        initComponents();
        this.setLocationRelativeTo(null);
//        load_mail();
    }
    /**
     * 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.
     */
    public void load_mail(){
        check=0;
        String status;
        try {
            DefaultTableModel m = (DefaultTableModel) this.jTable1.getModel();
            m.setRowCount(0);

```

```

JTableHeader th = jTable1.getTableHeader();
TableColumnModel tcm = th.getColumnModel();
TableColumn tc = tcm.getColumn(0);
tc.setHeaderValue("SENDER");
th.repaint();
un=encryption.encrpfun(loggedin.getText());
Statement s =(Statement) db.mycon().createStatement();
ResultSet rs = s.executeQuery("Select * from email where receiver = '"+un+"' order by
id desc;");
while(rs.next()){
    status=decription.decrpfun(rs.getString("status"));
    m.addRow(new Object[] {
        decription.decrpfun(rs.getString("sender")),
        decription.decrpfun(rs.getString("content")),
        decription.decrpfun(rs.getString("date")),
        status
    });
}
s.close();
}
catch (SQLException e) {
    System.out.println(e);
}
}
public void load_mail_sent(){
    check=1;
    String status="Sent";
    try {
        DefaultTableModel m = (DefaultTableModel) this.jTable1.getModel();
        m.setRowCount(0);
        JTableHeader th = jTable1.getTableHeader();
        TableColumnModel tcm = th.getColumnModel();
        TableColumn tc = tcm.getColumn(0);
        tc.setHeaderValue("RECEIVER");
        th.repaint();
        un=encryption.encrpfun(loggedin.getText());
        Statement s =(Statement) db.mycon().createStatement();
        ResultSet rs = s.executeQuery("Select * from email where sender='"+un+"' order by id
desc;");
        while(rs.next()){
            m.addRow(new Object[] {
                decription.decrpfun(rs.getString("receiver")),
                decription.decrpfun(rs.getString("content")),
                decription.decrpfun(rs.getString("date")),
                status
            });
        }

        s.close();
    }
}

```

```

    catch (SQLException e) {
        System.out.println(e);
    }
}
@SuppressWarnings("unchecked")
// <editor-fold defaultstate="collapsed" desc="Generated Code">
private void initComponents() {

    jPanel1 = new javax.swing.JPanel();
    reload = new javax.swing.JButton();
    inbox = new javax.swing.JButton();
    sent = new javax.swing.JButton();
    compose = new javax.swing.JButton();
    jScrollPane1 = new javax.swing.JScrollPane();
    jTable1 = new javax.swing.JTable();
    loggedIn = new javax.swing.JTextField();
    logout = new javax.swing.JButton();
    jLabel2 = new javax.swing.JLabel();
    jLabel3 = new javax.swing.JLabel();

    setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);

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

    reload.setText("RELOAD");
    reload.addActionListener(new java.awt.event.ActionListener() {
        public void actionPerformed(java.awt.event.ActionEvent evt) {
            reloadActionPerformed(evt);
        }
    });

    inbox.setText("INBOX");
    inbox.addActionListener(new java.awt.event.ActionListener() {
        public void actionPerformed(java.awt.event.ActionEvent evt) {
            inboxActionPerformed(evt);
        }
    });

    sent.setText("SENT");
    sent.addActionListener(new java.awt.event.ActionListener() {
        public void actionPerformed(java.awt.event.ActionEvent evt) {
            sentActionPerformed(evt);
        }
    });

    compose.setText("COMPOSE");
    compose.addActionListener(new java.awt.event.ActionListener() {
        public void actionPerformed(java.awt.event.ActionEvent evt) {
            composeActionPerformed(evt);
        }
    });

```

```

});

jTable1.setFont(new java.awt.Font("Times New Roman", 0, 14)); // NOI18N
jTable1.setModel(new javax.swing.table.DefaultTableModel(
    new Object [][] {

        },
        new String [] {
            "SENDER", "CONTENT", "DATE", "Status"
        }
    ) {
        boolean[] canEdit = new boolean [] {
            false, false, false, false
        };

        public boolean isCellEditable(int rowIndex, int columnIndex) {
            return canEdit [columnIndex];
        }
    });
jTable1.addMouseListener(new java.awt.event.MouseAdapter() {
    public void mouseClicked(java.awt.event.MouseEvent evt) {
        jTable1MouseClicked(evt);
    }
});
jScrollPane1.setViewportView(jTable1);

loggedin.setEditable(false);
loggedin.addMouseListener(new java.awt.event.MouseAdapter() {
    public void mouseClicked(java.awt.event.MouseEvent evt) {
        loggedinMouseClicked(evt);
    }
});
loggedin.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        loggedinActionPerformed(evt);
    }
});

logout.setText("Log Out");
logout.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        logoutActionPerformed(evt);
    }
});

jLabel2.setIcon(new javax.swing.ImageIcon("C:\\College
Projects\\email\\LOGO\\id2.png")); // NOI18N

jLabel3.setIcon(new javax.swing.ImageIcon("C:\\College
Projects\\email\\LOGO\\logocnf4.png")); // NOI18N

```

```

javax.swing.GroupLayout jPanel1Layout = new javax.swing.GroupLayout(jPanel1);
jPanel1.setLayout(jPanel1Layout);
jPanel1Layout.setHorizontalGroup(
    jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel1Layout.createSequentialGroup()
            .addContainerGap()

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
jPanel1Layout.createSequentialGroup()
            .addComponent(jScrollPane1, javax.swing.GroupLayout.PREFERRED_SIZE,
0, Short.MAX_VALUE)

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

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)
        .addComponent(compose,
javax.swing.GroupLayout.Alignment.TRAILING,
javax.swing.GroupLayout.DEFAULT_SIZE, 100, Short.MAX_VALUE)
            .addComponent(sent, javax.swing.GroupLayout.Alignment.TRAILING,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE)
                .addComponent(inbox, javax.swing.GroupLayout.Alignment.TRAILING,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE)
                    .addComponent(reload, javax.swing.GroupLayout.Alignment.TRAILING,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE)
                        .addComponent(logout, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)))
        .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
jPanel1Layout.createSequentialGroup()
            .addComponent(jLabel3, javax.swing.GroupLayout.PREFERRED_SIZE, 75,
javax.swing.GroupLayout.PREFERRED_SIZE)
                .addGap(189, 189, 189)
                    .addComponent(jLabel2)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)
            .addComponent(loggedin, javax.swing.GroupLayout.PREFERRED_SIZE,
233, javax.swing.GroupLayout.PREFERRED_SIZE)
                .addGap(0, 1, Short.MAX_VALUE)))
        .addContainerGap())
);
jPanel1Layout.setVerticalGroup(
    jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel1Layout.createSequentialGroup()

```

```
.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
```

```
    .addGroup(jPanel1Layout.createSequentialGroup()
```

```
        .addGap(9, 9, 9)
```

```
        .addComponent(jLabel3, javax.swing.GroupLayout.PREFERRED_SIZE, 77, javax.swing.GroupLayout.PREFERRED_SIZE))
```

```
    .addGroup(jPanel1Layout.createSequentialGroup()
```

```
        .addGap(32, 32, 32)
```

```
.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING)
```

```
    .addComponent(loggedin, javax.swing.GroupLayout.PREFERRED_SIZE, 30, javax.swing.GroupLayout.PREFERRED_SIZE)
```

```
    .addComponent(jLabel2))))
```

```
    .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED, 10, Short.MAX_VALUE)
```

```
.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)
```

```
    .addGroup(jPanel1Layout.createSequentialGroup()
```

```
        .addComponent(reload, javax.swing.GroupLayout.PREFERRED_SIZE, 38, javax.swing.GroupLayout.PREFERRED_SIZE)
```

```
        .addGap(18, 18, 18)
```

```
        .addComponent(inbox, javax.swing.GroupLayout.PREFERRED_SIZE, 38, javax.swing.GroupLayout.PREFERRED_SIZE)
```

```
        .addGap(18, 18, 18)
```

```
        .addComponent(sent, javax.swing.GroupLayout.PREFERRED_SIZE, 38, javax.swing.GroupLayout.PREFERRED_SIZE)
```

```
        .addGap(18, 18, 18)
```

```
        .addComponent(compose, javax.swing.GroupLayout.PREFERRED_SIZE, 38, javax.swing.GroupLayout.PREFERRED_SIZE)
```

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

```
        .addComponent(logout, javax.swing.GroupLayout.PREFERRED_SIZE, 38, javax.swing.GroupLayout.PREFERRED_SIZE))
```

```
        .addComponent(jScrollPane1, javax.swing.GroupLayout.PREFERRED_SIZE, 333, javax.swing.GroupLayout.PREFERRED_SIZE))
```

```
    .addContainerGap()
```

```
);
```

```
javax.swing.GroupLayout layout = new javax.swing.GroupLayout(getContentPane());  
getContentPane().setLayout(layout);
```

```
layout.setHorizontalGroup
```

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

```
    .addComponent(jPanel1, javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
```

```
);
```

```
layout.setVerticalGroup
```

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

```
        .addComponent(jPanel1, javax.swing.GroupLayout.DEFAULT_SIZE,  
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)  
    );
```

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

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

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

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

```
private void composeActionPerformed(java.awt.event.ActionEvent evt) {  
    // TODO add your handling code here:  
    composeframe jf1 = new composeframe();  
    jf1.my_update(loggedin.getText());  
    jf1.setVisible(true);  
    dispose();  
}
```

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

```
private void loggedinMouseClicked(java.awt.event.MouseEvent evt) {  
    // TODO add your handling code here:  
    profile jf1 = new profile();  
    jf1.my_update(loggedin.getText());  
    jf1.setVisible(true);  
    dispose();  
}
```

```
private void logoutActionPerformed(java.awt.event.ActionEvent evt) {  
    // TODO add your handling code here:  
    Home2 jf1 = new Home2();  
    jf1.setVisible(true);  
    dispose();  
}
```

```
private void jTable1MouseClicked(java.awt.event.MouseEvent evt) {
```

```

// TODO add your handling code here:
int index = jTable1.getSelectedRow();
TableModel model = jTable1.getModel();
if(check==0){
    expandmail jf = new expandmail();
    String un=loggedin.getText();
    String sender = model.getValueAt(index, 0).toString();
    String content = model.getValueAt(index, 1).toString();
    String date = model.getValueAt(index, 2).toString();
    String statusv="Read";
    statusv=encryption.encriptfun(statusv);
    un=encryption.encriptfun(un);
    sender=encryption.encriptfun(sender);
    content=encryption.encriptfun(content);
    date=encryption.encriptfun(date);
    try {
        Statement s =(Statement) db.mycon().createStatement();
        ResultSet rs = s.executeQuery("Select * from email where sender='"+sender+"' and
receiver = '"+un+"' and content='"+content+"' and date='"+date+"'");
        if(rs.next()){
            jf.maiload(
                decription.decriptfun(un),
                decription.decriptfun(sender),
                decription.decriptfun(content),
                decription.decriptfun(date),
                decription.decriptfun(rs.getString("subject"))
            );
            s.executeUpdate("Update email set status='"+statusv+"' where sender='"+sender+"'
and receiver = '"+un+"' and content='"+content+"' and date='"+date+"'");
            jf.setVisible(true);
            dispose();
        }
        s.close();
    }
    catch (SQLException e) {
        System.out.println(e);
    }
}
else{
    expandmailsent jf = new expandmailsent();
    String un=loggedin.getText();
    String receiver = model.getValueAt(index, 0).toString();
    String content = model.getValueAt(index, 1).toString();
    String date = model.getValueAt(index, 2).toString();
    un=encryption.encriptfun(un);
    receiver=encryption.encriptfun(receiver);
    content=encryption.encriptfun(content);
    date=encryption.encriptfun(date);
    try {
        Statement s =(Statement) db.mycon().createStatement();

```



```

        ResultSet rs = s.executeQuery("Select * from email where sender='"+un+"' and
receiver = '"+receiver+"' and content='"+content+"' and date='"+date+"'");
        if(rs.next()){
            jf.malload(
                decription.decrpfun(un),
                decription.decrpfun(receiver),
                decription.decrpfun(content),
                decription.decrpfun(date),
                decription.decrpfun(rs.getString("subject"))
            );
            jf.setVisible(true);
            dispose();
        }
        s.close();
    }
    catch (SQLException e) {
        System.out.println(e);
    }
}

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

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

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

```

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

```
java.util.logging.Logger.getLogger(homepageemail.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 homepageemail().setVisible(true);
        }
    });
}
```

```
// Variables declaration - do not modify
private javax.swing.JButton compose;
private javax.swing.JButton inbox;
private javax.swing.JLabel jLabel2;
private javax.swing.JLabel jLabel3;
private javax.swing.JPanel jPanel1;
private javax.swing.JScrollPane jScrollPane1;
private javax.swing.JTable jTable1;
private javax.swing.JTextField loggedin;
private javax.swing.JButton logout;
private javax.swing.JButton reload;
private javax.swing.JButton sent;
// End of variables declaration
}
```

## **COMPOSE FRAME PAGE:**

```
/*
 * 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 email;

import java.sql.ResultSet;
import java.sql.SQLException;
import java.sql.Statement;
import java.time.LocalDate;
import java.time.format.DateTimeFormatter;
import javax.swing.JOptionPane;
import javax.swing.table.DefaultTableModel;
import javax.swing.table.JTableHeader;
import javax.swing.table.TableColumn;
import javax.swing.table.TableColumnModel;

/**
 *
 * @author Admin
 */
public class composeframe extends javax.swing.JFrame {

    /**
     * Creates new form composeframe
     */
    public void my_update(String str) {
        sender.setText(str);
        this.setTitle(str+" - COMPOSE MAIL");
    }
    public void forward(String sub, String cont) {
        subject.setText(sub);
        content.setText(cont);
    }
    public void reply(String to,String sub, String cont) {
        receiver.setText(to);
        subject.setText(sub);
        content.setText(cont);
    }
    public composeframe() {
        initComponents();
        this.setLocationRelativeTo(null);
    }

    /**
     * This method is called from within the constructor to initialize the form.
     * WARNING: Do NOT modify this code. The content of this method is always
     * regenerated by the Form Editor.
     */
}
```

```

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

    jPanel1 = new javax.swing.JPanel();
    jLabel1 = new javax.swing.JLabel();
    jLabel2 = new javax.swing.JLabel();
    jLabel3 = new javax.swing.JLabel();
    receiver = new javax.swing.JTextField();
    sender = new javax.swing.JTextField();
    subject = new javax.swing.JTextField();
    jScrollPane1 = new javax.swing.JScrollPane();
    content = new javax.swing.JTextArea();
    send = new javax.swing.JButton();
    back = new javax.swing.JButton();
    jLabel4 = new javax.swing.JLabel();

    setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);

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

    jLabel1.setFont(new java.awt.Font("Times New Roman", 1, 14)); // NOI18N
    jLabel1.setText("TO");

    jLabel2.setFont(new java.awt.Font("Times New Roman", 1, 14)); // NOI18N
    jLabel2.setText("FROM");

    jLabel3.setFont(new java.awt.Font("Times New Roman", 1, 14)); // NOI18N
    jLabel3.setText("SUBJECT");

    sender.setEditable(false);

    subject.setName("Subject"); // NOI18N
    subject.addActionListener(new java.awt.event.ActionListener() {
        public void actionPerformed(java.awt.event.ActionEvent evt) {
            subjectActionPerformed(evt);
        }
    });

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

    send.setText("Send");
    send.addActionListener(new java.awt.event.ActionListener() {
        public void actionPerformed(java.awt.event.ActionEvent evt) {
            sendActionPerformed(evt);
        }
    });
}

```



```

        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
        .addComponent(sender, javax.swing.GroupLayout.PREFERRED_SIZE, 286,
javax.swing.GroupLayout.PREFERRED_SIZE))
        .addGroup(jPanel1Layout.createSequentialGroup())
        .addComponent(jLabel3)
        .addGap(18, 18, 18)
        .addComponent(subject, javax.swing.GroupLayout.PREFERRED_SIZE, 286,
javax.swing.GroupLayout.PREFERRED_SIZE)))
        .addGap(38, 38, 38))
    );
    jPanel1Layout.setVerticalGroup(
        jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel1Layout.createSequentialGroup())
        .addContainerGap()

        .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

        .addGroup(jPanel1Layout.createSequentialGroup())

        .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

        .addComponent(jLabel1)
        .addComponent(receiver, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE))

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

        .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

        .addComponent(jLabel2)
        .addComponent(sender, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE))

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

        .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

        .addComponent(subject, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addComponent(jLabel3)))
        .addComponent(jLabel4, javax.swing.GroupLayout.PREFERRED_SIZE, 82,
javax.swing.GroupLayout.PREFERRED_SIZE))
        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
        .addComponent(jScrollPane1, javax.swing.GroupLayout.DEFAULT_SIZE, 280,
Short.MAX_VALUE)
        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)

```

```

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addComponent(send, javax.swing.GroupLayout.PREFERRED_SIZE, 35,
javax.swing.GroupLayout.PREFERRED_SIZE)
    .addComponent(back, javax.swing.GroupLayout.PREFERRED_SIZE, 35,
javax.swing.GroupLayout.PREFERRED_SIZE))
    .addGap(15, 15, 15))
);

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

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

```

```

private void sendActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
    String to = receiver.getText();
    String from = sender.getText();
    String subjectv = subject.getText();
    String contentv = content.getText();
    String statusv = "Pending";
    if(!to.isEmpty() && !contentv.isEmpty())
    {
        contentv = encryption.encryptfun(contentv);
        subjectv = encryption.encryptfun(subjectv);
        statusv = encryption.encryptfun(statusv);
        to = encryption.encryptfun(to);
        from = encryption.encryptfun(from);
        LocalDate myObj = LocalDate.now();
        DateTimeFormatter myFormatObj = DateTimeFormatter.ofPattern("dd-MM-yyyy");
        String formattedDate = myObj.format(myFormatObj);
        formattedDate = encryption.encryptfun(formattedDate);
        try {
            Statement s = (Statement) db.mycon().createStatement();
            ResultSet rs = s.executeQuery("select * from account where username='" + to + "'");
            if(rs.next()){

```

```

        int rs1 = s.executeUpdate("Insert into email(sender,receiver,content,date,subject,status)
values('"+from+"','"+to+"','"+contentv+"','"+formattedDate+"','"+subjectv+"','"+statusv+"');")
;
        if(rs1==1){
            JOptionPane.showMessageDialog(null,"Email sent successfully!");
            homepageemail jf1 = new homepageemail();
            jf1.my_update(sender.getText());
            jf1.setVisible(true);
            dispose();
        }
        else{
            JOptionPane.showMessageDialog(null,"Enter a valid Email-Id!");
        }
        s.close();
    }
    catch (SQLException e) {
        System.out.println(e);
    }
    else{
        JOptionPane.showMessageDialog(null,"Content Missing! Email Not Sent!");
    }
}

private void backActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
    dispose();
    homepageemail jf1 = new homepageemail();
    jf1.my_update(sender.getText());
    jf1.setVisible(true);
}

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

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

```



```

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

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

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

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

java.util.logging.Logger.getLogger(composeframe.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 composeframe().setVisible(true);
    }
});
}

// Variables declaration - do not modify
private javax.swing.JButton back;
private javax.swing.JTextArea content;
private javax.swing.JLabel jLabel1;
private javax.swing.JLabel jLabel2;
private javax.swing.JLabel jLabel3;
private javax.swing.JLabel jLabel4;
private javax.swing.JPanel jPanel1;
private javax.swing.JScrollPane jScrollPane1;
private javax.swing.JTextField receiver;
private javax.swing.JButton send;
private javax.swing.JTextField sender;
private javax.swing.JTextField subject;
// End of variables declaration
}

```

## **EXPAND MAIL PAGE(Inbox Mails):**

```
/*
 * 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 email;

/**
 *
 * @author Admin
 */
public class expandmail extends javax.swing.JFrame {

    /**
     * Creates new form expandmail
     */
    public void maiload(String un, String from, String content, String date, String subject){
        loggedin.setText(un);
        fromtf.setText(from);
        datetf.setText(date);
        contenttf.setText(content);
        subtf.setText(subject);
    }
    public expandmail() {
        initComponents();
        this.setLocationRelativeTo(null);
    }

    /**
     * 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();
        jPanel1 = new javax.swing.JPanel();
        jLabel1 = new javax.swing.JLabel();
        fromtf = new javax.swing.JTextField();
        jLabel2 = new javax.swing.JLabel();
        subtf = new javax.swing.JTextField();
        loggedin = new javax.swing.JTextField();
        jScrollPane1 = new javax.swing.JScrollPane();
        contenttf = new javax.swing.JTextArea();
        back = new javax.swing.JButton();
        jLabel4 = new javax.swing.JLabel();
        datetf = new javax.swing.JTextField();

        buttonGroup1 = new javax.swing.ButtonGroup();
        jPanel1 = new javax.swing.JPanel();
        jLabel1 = new javax.swing.JLabel();
        fromtf = new javax.swing.JTextField();
        jLabel2 = new javax.swing.JLabel();
        subtf = new javax.swing.JTextField();
        loggedin = new javax.swing.JTextField();
        jScrollPane1 = new javax.swing.JScrollPane();
        contenttf = new javax.swing.JTextArea();
        back = new javax.swing.JButton();
        jLabel4 = new javax.swing.JLabel();
        datetf = new javax.swing.JTextField();
    }
}
```

```

forward = new javax.swing.JButton();
reply = new javax.swing.JButton();
jLabel5 = new javax.swing.JLabel();

setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);

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

jLabel1.setFont(new java.awt.Font("Times New Roman", 1, 14)); // NOI18N
jLabel1.setText("From:");

fromtf.setEditable(false);

jLabel2.setFont(new java.awt.Font("Times New Roman", 1, 14)); // NOI18N
jLabel2.setText("Subject:");

subtf.setEditable(false);

loggedin.setEditable(false);

contenttf.setEditable(false);
contenttf.setColumns(20);
contenttf.setRows(5);
jScrollPane1.setViewportView(contenttf);

back.setText("Back");
back.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        backActionPerformed(evt);
    }
});

jLabel4.setFont(new java.awt.Font("Times New Roman", 1, 14)); // NOI18N
jLabel4.setText("Date:");

datetf.setEditable(false);

forward.setText("Forward");
forward.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        forwardActionPerformed(evt);
    }
});

reply.setText("Reply");
reply.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        replyActionPerformed(evt);
    }
});

```

[illegible]

```

        .addGroup(jPanel1Layout.createSequentialGroup()
            .addComponent(jLabel2)
            .addGap(22, 22, 22)
            .addComponent(subtf))
        .addGroup(javax.swing.GroupLayout.Alignment.LEADING,
jPanel1Layout.createSequentialGroup()
            .addComponent(jLabel1)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED, 34,
Short.MAX_VALUE)
            .addComponent(fromtf,
javax.swing.GroupLayout.PREFERRED_SIZE, 387,
javax.swing.GroupLayout.PREFERRED_SIZE)))
        .addGap(79, 79, 79))))
    .addContainerGap()
);
jPanel1Layout.setVerticalGroup(
    jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel1Layout.createSequentialGroup()
            .addContainerGap()

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)
            .addComponent(jLabel5, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
            .addComponent(loggedin))
            .addGap(18, 18, 18)

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
            .addComponent(datetf, javax.swing.GroupLayout.PREFERRED_SIZE, 31,
javax.swing.GroupLayout.PREFERRED_SIZE)
            .addComponent(jLabel4))
            .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
            .addComponent(fromtf, javax.swing.GroupLayout.DEFAULT_SIZE, 27,
Short.MAX_VALUE)
            .addComponent(jLabel1))
            .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
            .addComponent(subtf, javax.swing.GroupLayout.DEFAULT_SIZE, 27,
Short.MAX_VALUE)
            .addComponent(jLabel2))
            .addGap(18, 18, 18)
            .addComponent(jScrollPane1, javax.swing.GroupLayout.PREFERRED_SIZE, 216,
javax.swing.GroupLayout.PREFERRED_SIZE)

```

```

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

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
        .addComponent(back)
        .addComponent(forward)
        .addComponent(reply))
.addContainerGap()
);

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

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

private void backActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
    homepageemail jf = new homepageemail();
    jf.my_update(loggedin.getText());
    jf.setVisible(true);
    dispose();
}

private void forwardActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
    composeframe jf = new composeframe();
    jf.my_update(loggedin.getText());
    jf.forward(subtf.getText(), contenttf.getText());
    jf.setVisible(true);
    dispose();
}

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

```

```

// TODO add your handling code here:
composeframe jf = new composeframe();
jf.my_update(loggedin.getText());
jf.reply(fromtf.getText(), "Reply for: " + subtf.getText(), contenttf.getText());
jf.setVisible(true);
dispose();
}

/**
 * @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(expandmail.class.getName()).log(java.util.logging.Level.
SEVERE, null, ex);
    } catch (InstantiationException ex) {

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

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

java.util.logging.Logger.getLogger(expandmail.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 expandmail().setVisible(true);
    }
}

```

```
    }  
    });  
}  
  
// Variables declaration - do not modify  
private javax.swing.JButton back;  
private javax.swing.ButtonGroup buttonGroup1;  
private javax.swing.JTextArea contenttf;  
private javax.swing.JTextField datetf;  
private javax.swing.JButton forward;  
private javax.swing.JTextField fromtf;  
private javax.swing.JLabel jLabel1;  
private javax.swing.JLabel jLabel2;  
private javax.swing.JLabel jLabel4;  
private javax.swing.JLabel jLabel5;  
private javax.swing.JPanel jPanel1;  
private javax.swing.JScrollPane jScrollPane1;  
private javax.swing.JTextField loggedin;  
private javax.swing.JButton reply;  
private javax.swing.JTextField subtf;  
// End of variables declaration  
}
```



## **EXPAND MAIL PAGE(Sent Mails):**

```
/*
 * 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 email;

/**
 *
 * @author Admin
 */
public class expandmailsent extends javax.swing.JFrame {

    /**
     * Creates new form expandmailsent
     */
    public void maiload(String un, String from, String content, String date, String subject){
        loggedin.setText(un);
        totf.setText(from);
        datetf.setText(date);
        contenttf.setText(content);
        subtf.setText(subject);
    }
    public expandmailsent() {
        initComponents();
        this.setLocationRelativeTo(null);
    }

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

        jPanel1 = new javax.swing.JPanel();
        jLabel1 = new javax.swing.JLabel();
        totf = new javax.swing.JTextField();
        jLabel2 = new javax.swing.JLabel();
        subtf = new javax.swing.JTextField();
        loggedin = new javax.swing.JTextField();
        jScrollPane1 = new javax.swing.JScrollPane();
        contenttf = new javax.swing.JTextArea();
        back = new javax.swing.JButton();
        jLabel4 = new javax.swing.JLabel();
        datetf = new javax.swing.JTextField();
        forward = new javax.swing.JButton();
    }
}
```

```

jLabel5 = new javax.swing.JLabel();

setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);

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

jLabel1.setFont(new java.awt.Font("Times New Roman", 1, 14)); // NOI18N
jLabel1.setText("To:");

totf.setEditable(false);

jLabel2.setFont(new java.awt.Font("Times New Roman", 1, 14)); // NOI18N
jLabel2.setText("Subject:");

subtf.setEditable(false);

loggedin.setEditable(false);

contenttf.setEditable(false);
contenttf.setColumns(20);
contenttf.setRows(5);
jScrollPane1.setViewportView(contenttf);

back.setText("Back");
back.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        backActionPerformed(evt);
    }
});

jLabel4.setFont(new java.awt.Font("Times New Roman", 1, 14)); // NOI18N
jLabel4.setText("Date:");

datetf.setEditable(false);

forward.setText("Forward");
forward.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        forwardActionPerformed(evt);
    }
});

jLabel5.setIcon(new javax.swing.ImageIcon("C:\\College
Projects\\email\\LOGO\\id2.png")); // NOI18N

javax.swing.GroupLayout jPanel1Layout = new javax.swing.GroupLayout(jPanel1);
jPanel1.setLayout(jPanel1Layout);
jPanel1Layout.setHorizontalGroup(
    jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

```

```

        .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
jPanel1Layout.createSequentialGroup())

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING)

        .addGroup(jPanel1Layout.createSequentialGroup()
            .addGap(0, 0, Short.MAX_VALUE)
            .addComponent(forward)
            .addGap(18, 18, 18)
            .addComponent(back))
        .addGroup(jPanel1Layout.createSequentialGroup()
            .addContainerGap(261, Short.MAX_VALUE)
            .addComponent(jLabel5))

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

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

        .addGroup(jPanel1Layout.createSequentialGroup()
            .addGap(24, 24, 24)
            .addComponent(jLabel4)
            .addGap(18, 18, 18)
            .addComponent(datetf, javax.swing.GroupLayout.PREFERRED_SIZE,
136, javax.swing.GroupLayout.PREFERRED_SIZE))
            .addComponent(loggedin, javax.swing.GroupLayout.PREFERRED_SIZE,
235, javax.swing.GroupLayout.PREFERRED_SIZE)))
        .addGap(22, 22, 22))
        .addGroup(jPanel1Layout.createSequentialGroup()
            .addContainerGap())

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

        .addGroup(jPanel1Layout.createSequentialGroup()

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

        .addComponent(jLabel1)
        .addComponent(jLabel2))
        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)

        .addComponent(subtf, javax.swing.GroupLayout.DEFAULT_SIZE, 396,
Short.MAX_VALUE)
        .addComponent(totf))
        .addGap(69, 69, 69))
        .addGroup(jPanel1Layout.createSequentialGroup()
            .addComponent(jScrollPane1)
            .addContainerGap()))

```

```

);
jPanel1Layout.setVerticalGroup(
    jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel1Layout.createSequentialGroup()
            .addContainerGap()

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)
    .addComponent(jLabel5, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
    .addComponent(loggedin))
    .addGap(18, 18, 18)

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
    .addComponent(datetf, javax.swing.GroupLayout.PREFERRED_SIZE, 32,
javax.swing.GroupLayout.PREFERRED_SIZE)
    .addComponent(jLabel4))
    .addGap(18, 18, 18)

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addComponent(jLabel1)
    .addComponent(totf, javax.swing.GroupLayout.PREFERRED_SIZE, 32,
javax.swing.GroupLayout.PREFERRED_SIZE))
    .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
    .addComponent(subtf, javax.swing.GroupLayout.PREFERRED_SIZE, 30,
javax.swing.GroupLayout.PREFERRED_SIZE)
    .addComponent(jLabel2))
    .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)
    .addComponent(jScrollPane1, javax.swing.GroupLayout.DEFAULT_SIZE, 206,
Short.MAX_VALUE)
    .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
    .addComponent(back)
    .addComponent(forward))
    .addContainerGap()
);

javax.swing.GroupLayout layout = new javax.swing.GroupLayout(getContentPane());
getContentPane().setLayout(layout);
layout.setHorizontalGroup(
    layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addComponent(jPanel1, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)

```

```

);
layout.setVerticalGroup(
    layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addComponent(jPanel1, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
);

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

private void backActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
    homepageemail jf = new homepageemail();
    jf.my_update(loggedin.getText());
    jf.setVisible(true);
    dispose();
}

private void forwardActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
    composeframe jf=new composeframe();
    jf.my_update(loggedin.getText());
    jf.forward(subtf.getText(), contenttf.getText());
    jf.setVisible(true);
    dispose();
}

/**
 * @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(expandmailsents.class.getName()).log(java.util.logging.Le
vel.SEVERE, null, ex);
    }
}

```

```

        } catch (InstantiationException ex) {

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

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

java.util.logging.Logger.getLogger(expandmailsnt.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 expandmailsnt().setVisible(true);
        }
    });
}

// Variables declaration - do not modify
private javax.swing.JButton back;
private javax.swing.JTextArea contenttf;
private javax.swing.JTextField datetf;
private javax.swing.JButton forward;
private javax.swing.JLabel jLabel1;
private javax.swing.JLabel jLabel2;
private javax.swing.JLabel jLabel4;
private javax.swing.JLabel jLabel5;
private javax.swing.JPanel jPanel1;
private javax.swing.JScrollPane jScrollPane1;
private javax.swing.JTextField loggedin;
private javax.swing.JTextField subtf;
private javax.swing.JTextField totf;
// End of variables declaration
}

```

## **USER PROFILE:**

```
/*
 * 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 email;

import com.mysql.jdbc.Statement;
import java.sql.ResultSet;
import java.sql.SQLException;
import javax.swing.JOptionPane;

/**
 *
 * @author Admin
 */
public class profile extends javax.swing.JFrame {

    /**
     * Creates new form profile
     */
    String unv;
    public void my_update(String str) {
        un.setText(str);
        unv=str;
        this.setTitle(str+" - PROFILE");
        try {
            Statement s =(Statement) db.mycon().createStatement();
            String uncv=un.getText();
            uncv=encription.encripfun(uncv);
            ResultSet rs = s.executeQuery("Select * from account where username = '"+uncv+"'");
            if(rs.next()){
                fn.setText(decription.decripfun(rs.getString("fname")));
                ln.setText(decription.decripfun(rs.getString("lname")));
                pn.setText(decription.decripfun(rs.getString("phonenum")));
            }

            s.close();
        }
        catch (SQLException e) {
            System.out.println(e);
        }
    }
    public profile() {
        initComponents();
        this.setLocationRelativeTo(null);
    }

    /**
```

```

* 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() {

    jButton1 = new javax.swing.JButton();
    jPanel1 = new javax.swing.JPanel();
    jLabel1 = new javax.swing.JLabel();
    jLabel2 = new javax.swing.JLabel();
    jLabel3 = new javax.swing.JLabel();
    jLabel4 = new javax.swing.JLabel();
    un = new javax.swing.JTextField();
    fn = new javax.swing.JTextField();
    ln = new javax.swing.JTextField();
    pn = new javax.swing.JTextField();
    back = new javax.swing.JButton();
    modifyprofile = new javax.swing.JButton();
    jLabel5 = new javax.swing.JLabel();
    jLabel6 = new javax.swing.JLabel();

    jButton1.setText("jButton1");

    setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);

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

    jLabel1.setFont(new java.awt.Font("Times New Roman", 1, 14)); // NOI18N
    jLabel1.setText("Username");

    jLabel2.setFont(new java.awt.Font("Times New Roman", 1, 14)); // NOI18N
    jLabel2.setText("First name");

    jLabel3.setFont(new java.awt.Font("Times New Roman", 1, 14)); // NOI18N
    jLabel3.setText("Last name");

    jLabel4.setFont(new java.awt.Font("Times New Roman", 1, 14)); // NOI18N
    jLabel4.setText("Phone Number");

    un.setEditable(false);
    un.addActionListener(new java.awt.event.ActionListener() {
        public void actionPerformed(java.awt.event.ActionEvent evt) {
            unActionPerformed(evt);
        }
    });

    fn.setEditable(false);

```



```

In.setEditable(false);

pn.setEditable(false);

back.setText("Back");
back.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        backActionPerformed(evt);
    }
});

modifyprofile.setText("Modify Profile");
modifyprofile.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        modifyprofileActionPerformed(evt);
    }
});

jLabel5.setIcon(new javax.swing.ImageIcon("C:\\College
Projects\\email\\LOGO\\logocnf4.png")); // NOI18N

jLabel6.setIcon(new javax.swing.ImageIcon("C:\\College
Projects\\email\\LOGO\\name6.png")); // NOI18N
jLabel6.setText("jLabel2");

javax.swing.GroupLayout jPanel1Layout = new javax.swing.GroupLayout(jPanel1);
jPanel1.setLayout(jPanel1Layout);
jPanel1Layout.setHorizontalGroup(
    jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
jPanel1Layout.createSequentialGroup()
            .addGap(113, 113, 113)
            .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                .addComponent(back, javax.swing.GroupLayout.PREFERRED_SIZE, 83,
javax.swing.GroupLayout.PREFERRED_SIZE)
                .addComponent(modifyprofile, javax.swing.GroupLayout.PREFERRED_SIZE,
113, javax.swing.GroupLayout.PREFERRED_SIZE)
                .addGroup(jPanel1Layout.createSequentialGroup()
                    .addGap(156, 156, 156)
                    .addGroup(jPanel1Layout.createSequentialGroup()
                        .addComponent(jPanel1Layout.createSequentialGroup()
                            .addGap(83, 83, 83)
                            .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING)
                                .addComponent(modifyprofile, javax.swing.GroupLayout.PREFERRED_SIZE, 113, javax.swing.GroupLayout.PREFERRED_SIZE)
                                .addComponent(back, javax.swing.GroupLayout.PREFERRED_SIZE, 83, javax.swing.GroupLayout.PREFERRED_SIZE))
                            .addGap(156, 156, 156)
                            .addComponent(jLabel6, javax.swing.GroupLayout.PREFERRED_SIZE, 113, javax.swing.GroupLayout.PREFERRED_SIZE))
                        .addGap(83, 83, 83)
                        .addComponent(jLabel5, javax.swing.GroupLayout.PREFERRED_SIZE, 113, javax.swing.GroupLayout.PREFERRED_SIZE))
                    .addGap(83, 83, 83)
                    .addComponent(jLabel2, javax.swing.GroupLayout.PREFERRED_SIZE, 113, javax.swing.GroupLayout.PREFERRED_SIZE))
                .addComponent(jLabel1, javax.swing.GroupLayout.PREFERRED_SIZE, 113, javax.swing.GroupLayout.PREFERRED_SIZE))
            .addContainerGap(113, true))
);

```

```

        .addComponent(jLabel2, javax.swing.GroupLayout.PREFERRED_SIZE,
91, javax.swing.GroupLayout.PREFERRED_SIZE)
        .addComponent(jLabel1, javax.swing.GroupLayout.PREFERRED_SIZE,
91, javax.swing.GroupLayout.PREFERRED_SIZE)
        .addComponent(jLabel3, javax.swing.GroupLayout.PREFERRED_SIZE,
91, javax.swing.GroupLayout.PREFERRED_SIZE)
        .addComponent(jLabel4))
        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)
        .addComponent(ln, javax.swing.GroupLayout.Alignment.TRAILING,
javax.swing.GroupLayout.DEFAULT_SIZE, 250, Short.MAX_VALUE)
        .addComponent(fn, javax.swing.GroupLayout.Alignment.TRAILING)
        .addComponent(un, javax.swing.GroupLayout.Alignment.TRAILING)
        .addComponent(pn)))
        .addGroup(jPanel1Layout.createSequentialGroup()
        .addComponent(jLabel5, javax.swing.GroupLayout.PREFERRED_SIZE, 75,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
        .addComponent(jLabel6, javax.swing.GroupLayout.PREFERRED_SIZE, 444,
javax.swing.GroupLayout.PREFERRED_SIZE)))
        .addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE))
    );
    jPanel1Layout.setVerticalGroup(
        jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel1Layout.createSequentialGroup()
        .addContainerGap()

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addComponent(jLabel5, javax.swing.GroupLayout.PREFERRED_SIZE, 77,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addComponent(jLabel6, javax.swing.GroupLayout.PREFERRED_SIZE, 80,
javax.swing.GroupLayout.PREFERRED_SIZE))
        .addGap(27, 27, 27)

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
        .addComponent(jLabel1)
        .addComponent(un, javax.swing.GroupLayout.PREFERRED_SIZE, 29,
javax.swing.GroupLayout.PREFERRED_SIZE))
        .addGap(27, 27, 27)

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
        .addComponent(fn, javax.swing.GroupLayout.PREFERRED_SIZE, 29,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addComponent(jLabel2))

```

```
        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED, 34,
Short.MAX_VALUE)
```

```
    .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
```

```
        .addComponent(ln, javax.swing.GroupLayout.PREFERRED_SIZE, 29,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addComponent(jLabel3))
    .addGap(30, 30, 30)
```

```
    .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
```

```
        .addComponent(pn, javax.swing.GroupLayout.PREFERRED_SIZE, 29,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addComponent(jLabel4))
    .addGap(31, 31, 31)
```

```
    .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
```

```
        .addComponent(modifyprofile, javax.swing.GroupLayout.PREFERRED_SIZE,
37, javax.swing.GroupLayout.PREFERRED_SIZE)
        .addComponent(back, javax.swing.GroupLayout.PREFERRED_SIZE, 37,
javax.swing.GroupLayout.PREFERRED_SIZE))
    .addGap(43, 43, 43))
);
```

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

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

```
private void backActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
    homepageemail jf1 = new homepageemail();
    jf1.my_update(un.getText());
    jf1.setVisible(true);
    dispose();
}
```

```

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

private void modifyprofileActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
    modifyprofile jf1 = new modifyprofile();
    jf1.my_update(unv);
    jf1.setVisible(true);
    dispose();
}

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

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

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

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

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

```

```

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

// Variables declaration - do not modify
private javax.swing.JButton back;
private javax.swing.JTextField fn;
private javax.swing.JButton jButton1;
private javax.swing.JLabel jLabel1;
private javax.swing.JLabel jLabel2;
private javax.swing.JLabel jLabel3;
private javax.swing.JLabel jLabel4;
private javax.swing.JLabel jLabel5;
private javax.swing.JLabel jLabel6;
private javax.swing.JPanel jPanel1;
private javax.swing.JTextField ln;
private javax.swing.JButton modifyprofile;
private javax.swing.JTextField pn;
private javax.swing.JTextField un;
// End of variables declaration
}

```

## **MODIFY PROFILE PAGE:**

```
/*
 * 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 email;

import com.mysql.jdbc.Statement;
import java.sql.ResultSet;
import java.sql.SQLException;
import javax.swing.JOptionPane;

/**
 *
 * @author Admin
 */
public class modifyprofile extends javax.swing.JFrame {

    /**
     * Creates new form modifyprofile
     */
    String unv;
    public void my_update(String str) {
        un.setText(str);
        unv=str;
        this.setTitle(str+" - MODIFY PROFILE");
        try {
            Statement s =(Statement) db.mycon().createStatement();
            String uncv=un.getText();
            uncv=encrption.encripfun(uncv);
            ResultSet rs = s.executeQuery("Select * from account where username = '"+uncv+"'");
            if(rs.next()){
                pn.setText(decryption.decripfun(rs.getString("phonenum")));
            }

            s.close();
        }
        catch (SQLException e) {
            System.out.println(e);
        }
    }
    public modifyprofile() {
        initComponents();
        this.setLocationRelativeTo(null);
    }

    /**
     * This method is called from within the constructor to initialize the form.
     * WARNING: Do NOT modify this code. The content of this method is always
```

```

* regenerated by the Form Editor.
*/
@SuppressWarnings("unchecked")
// <editor-fold defaultstate="collapsed" desc="Generated Code">
private void initComponents() {

    jPanel1 = new javax.swing.JPanel();
    jLabel1 = new javax.swing.JLabel();
    pn = new javax.swing.JTextField();
    jLabel2 = new javax.swing.JLabel();
    jLabel3 = new javax.swing.JLabel();
    jLabel4 = new javax.swing.JLabel();
    sn = new javax.swing.JButton();
    sp = new javax.swing.JButton();
    un = new javax.swing.JTextField();
    back = new javax.swing.JButton();
    cp = new javax.swing.JPasswordField();
    np = new javax.swing.JPasswordField();
    cnp = new javax.swing.JPasswordField();
    jLabel6 = new javax.swing.JLabel();
    jLabel7 = new javax.swing.JLabel();

    setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);

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

    jLabel1.setFont(new java.awt.Font("Times New Roman", 1, 14)); // NOI18N
    jLabel1.setText("Phone Number:");

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

    jLabel2.setFont(new java.awt.Font("Times New Roman", 1, 14)); // NOI18N
    jLabel2.setText("Current Password");

    jLabel3.setFont(new java.awt.Font("Times New Roman", 1, 14)); // NOI18N
    jLabel3.setText("New Password");

    jLabel4.setFont(new java.awt.Font("Times New Roman", 1, 14)); // NOI18N
    jLabel4.setText("Confirm New Password");

    sn.setText("Save Number");
    sn.addActionListener(new java.awt.event.ActionListener() {
        public void actionPerformed(java.awt.event.ActionEvent evt) {
            snActionPerformed(evt);
        }
    });
}

```

```

sp.setText("Save Password");
sp.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        spActionPerformed(evt);
    }
});

un.setEditable(false);

back.setText("Back");
back.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        backActionPerformed(evt);
    }
});

jLabel6.setText("-----
-----");

jLabel7.setIcon(new javax.swing.ImageIcon("C:\\College
Projects\\email\\LOGO\\id2.png")); // NOI18N

javax.swing.GroupLayout jPanel1Layout = new javax.swing.GroupLayout(jPanel1);
jPanel1.setLayout(jPanel1Layout);
jPanel1Layout.setHorizontalGroup(
    jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
jPanel1Layout.createSequentialGroup()
            .addGap(0, 0, Short.MAX_VALUE)

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
jPanel1Layout.createSequentialGroup()

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING, false)
    .addGroup(jPanel1Layout.createSequentialGroup()
        .addComponent(jLabel2)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
        .addComponent(cp, javax.swing.GroupLayout.PREFERRED_SIZE, 149,
javax.swing.GroupLayout.PREFERRED_SIZE))
    .addGroup(javax.swing.GroupLayout.Alignment.LEADING,
jPanel1Layout.createSequentialGroup()
        .addComponent(jLabel3)

```



```

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
    .addComponent(np, javax.swing.GroupLayout.PREFERRED_SIZE, 149,
javax.swing.GroupLayout.PREFERRED_SIZE))
    .addGroup(javax.swing.GroupLayout.Alignment.LEADING,
jPanel1Layout.createSequentialGroup()
    .addComponent(jLabel4)
    .addGap(34, 34, 34)
    .addComponent(cnp, javax.swing.GroupLayout.PREFERRED_SIZE,
149, javax.swing.GroupLayout.PREFERRED_SIZE)))
    .addGap(153, 153, 153))
    .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
jPanel1Layout.createSequentialGroup()
    .addComponent(back, javax.swing.GroupLayout.PREFERRED_SIZE, 86,
javax.swing.GroupLayout.PREFERRED_SIZE)
    .addGap(75, 75, 75)
    .addComponent(sp, javax.swing.GroupLayout.PREFERRED_SIZE, 117,
javax.swing.GroupLayout.PREFERRED_SIZE)
    .addGap(95, 95, 95))))
    .addComponent(jLabel6, javax.swing.GroupLayout.DEFAULT_SIZE, 558,
Short.MAX_VALUE)
    .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
jPanel1Layout.createSequentialGroup()
    .addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE)

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
jPanel1Layout.createSequentialGroup()
    .addComponent(jLabel7)
    .addGap(18, 18, 18)
    .addComponent(un, javax.swing.GroupLayout.PREFERRED_SIZE, 225,
javax.swing.GroupLayout.PREFERRED_SIZE)
    .addContainerGap())
    .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
jPanel1Layout.createSequentialGroup()
    .addComponent(jLabel1)
    .addGap(70, 70, 70)
    .addComponent(pn, javax.swing.GroupLayout.PREFERRED_SIZE, 178,
javax.swing.GroupLayout.PREFERRED_SIZE)
    .addGap(126, 126, 126))
    .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
jPanel1Layout.createSequentialGroup()
    .addComponent(sn, javax.swing.GroupLayout.PREFERRED_SIZE, 128,
javax.swing.GroupLayout.PREFERRED_SIZE)
    .addGap(97, 97, 97))))
);
jPanel1Layout.setVerticalGroup(

```

```

jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
.addGroup(jPanel1Layout.createSequentialGroup()
.addGap(21, 21, 21)

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING)
.addComponent(un, javax.swing.GroupLayout.PREFERRED_SIZE, 26,
javax.swing.GroupLayout.PREFERRED_SIZE)
.addComponent(jLabel7))
.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED, 29,
Short.MAX_VALUE)

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
.addComponent(pn, javax.swing.GroupLayout.PREFERRED_SIZE, 29,
javax.swing.GroupLayout.PREFERRED_SIZE)
.addComponent(jLabel1))
.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
.addComponent(sn, javax.swing.GroupLayout.PREFERRED_SIZE, 37,
javax.swing.GroupLayout.PREFERRED_SIZE)
.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
.addComponent(jLabel6)
.addGap(18, 18, 18)

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
.addComponent(cp, javax.swing.GroupLayout.PREFERRED_SIZE, 29,
javax.swing.GroupLayout.PREFERRED_SIZE)
.addComponent(jLabel2))
.addGap(32, 32, 32)

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
.addComponent(np, javax.swing.GroupLayout.PREFERRED_SIZE, 29,
javax.swing.GroupLayout.PREFERRED_SIZE)
.addComponent(jLabel3))
.addGap(33, 33, 33)

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
.addComponent(cnp, javax.swing.GroupLayout.PREFERRED_SIZE, 29,
javax.swing.GroupLayout.PREFERRED_SIZE)
.addComponent(jLabel4))
.addGap(47, 47, 47)

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
.addComponent(sp, javax.swing.GroupLayout.PREFERRED_SIZE, 36,
javax.swing.GroupLayout.PREFERRED_SIZE)

```

```

        .addComponent(back, javax.swing.GroupLayout.PREFERRED_SIZE, 36,
javax.swing.GroupLayout.PREFERRED_SIZE))
        .addGap(26, 26, 26))
    );

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

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

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

private void spActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
    try {
        Statement s =(Statement) db.mycon().createStatement();
        String uncv=un.getText();
        String cpv=cp.getText();
        String npv=np.getText();
        String cnpv=cnp.getText();
        uncv=encryption.encripfun(uncv);
        String mpwd="";
        ResultSet rs = s.executeQuery("Select * from account where username = '"+uncv+"'");
        if(rs.next()){
            mpwd=decription.decrpfun(rs.getString("password"));
            if(mpwd.equals(cpv)){
                if((npv.equals(cnpv))){
                    if(npv.length()>7)
                    {
                        cpv=encryption.encripfun(cpv);
                        npv=encryption.encripfun(npv);
                        cnpv=encryption.encripfun(cnpv);
                        int rs1 = s.executeUpdate("update account set password='"+npv+"' where
username = '"+uncv+"'");
                        if(rs1==1){
                            JOptionPane.showMessageDialog(null,"Password changed Successfully!");
                            login jf1 = new login();

```

```

        jf1.setVisible(true);
        dispose();
    }
    else{
        JOptionPane.showMessageDialog(null,"Password change Unsuccessful. Try
again later!");
    }
}
else{
    JOptionPane.showMessageDialog(null,"Password should be minimum 8
characters!");
}
}
else{
    JOptionPane.showMessageDialog(null,"Password didn't match!");
}
}
else{
    JOptionPane.showMessageDialog(null,"Current Password doesn't Match!");
}
}
else{
    JOptionPane.showMessageDialog(null,"Incorrect Username or Passwor!");
}
}

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

```

```

private void snActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
    try {
        Statement s =(Statement) db.mycon().createStatement();
        String uncv=un.getText();
        String pnv=pn.getText();
        if(pnv.length()==10)
        {
            pnv=encrption.enrcpfun(pnv);
            unv=encrption.enrcpfun(uncv);
            int rs = s.executeUpdate("update account set phonenum='"+pnv+"' where username =
 '"+uncv+"'");
            if(rs==1){
                JOptionPane.showMessageDialog(null,"PHONE NUMBER updated succesfully!");
            }
        }
        else{
            JOptionPane.showMessageDialog(null,"Check Entered Phone Number!");
        }
    }
}

```

```

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

private void backActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
    profile jf1 = new profile();
    jf1.my_update(un.getText());
    jf1.setVisible(true);
    dispose();
}

/**
 * @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(modifyprofile.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
    } catch (InstantiationException ex) {

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

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

        java.util.logging.Logger.getLogger(modifyprofile.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 modifyprofile().setVisible(true);
        }
    });
}

// Variables declaration - do not modify
private javax.swing.JButton back;
private javax.swing.JPasswordField cnp;
private javax.swing.JPasswordField cp;
private javax.swing.JLabel jLabel1;
private javax.swing.JLabel jLabel2;
private javax.swing.JLabel jLabel3;
private javax.swing.JLabel jLabel4;
private javax.swing.JLabel jLabel6;
private javax.swing.JLabel jLabel7;
private javax.swing.JPanel jPanel1;
private javax.swing.JPasswordField np;
private javax.swing.JTextField pn;
private javax.swing.JButton sn;
private javax.swing.JButton sp;
private javax.swing.JTextField un;
// End of variables declaration
}

```

## **FORGET PASSWORD:**

```
/*
 * 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 email;

import com.mysql.jdbc.Statement;
import java.sql.ResultSet;
import java.sql.SQLException;
import javax.swing.JOptionPane;

/**
 *
 * @author Admin
 */
public class forgotpass extends javax.swing.JFrame {

    /**
     * Creates new form forgot
     */
    public forgotpass() {
        initComponents();
        this.setLocationRelativeTo(null);
    }

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

        jPanel1 = new javax.swing.JPanel();
        jLabel1 = new javax.swing.JLabel();
        jLabel2 = new javax.swing.JLabel();
        jLabel3 = new javax.swing.JLabel();
        jLabel4 = new javax.swing.JLabel();
        un = new javax.swing.JTextField();
        fn = new javax.swing.JTextField();
        ln = new javax.swing.JTextField();
        phno = new javax.swing.JTextField();
        submit = new javax.swing.JButton();
        back = new javax.swing.JButton();

        setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);
        setTitle("FORGOT PASSWORD");
    }
}
```

```

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

jLabel1.setFont(new java.awt.Font("Times New Roman", 1, 14)); // NOI18N
jLabel1.setText("First Name ");

jLabel2.setFont(new java.awt.Font("Times New Roman", 1, 14)); // NOI18N
jLabel2.setText("Username");

jLabel3.setFont(new java.awt.Font("Times New Roman", 1, 14)); // NOI18N
jLabel3.setText("Last Name");

jLabel4.setFont(new java.awt.Font("Times New Roman", 1, 14)); // NOI18N
jLabel4.setText("Mobile Number");

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

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

submit.setText("Submit");
submit.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        submitActionPerformed(evt);
    }
});

back.setText("Back");
back.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        backActionPerformed(evt);
    }
});

javax.swing.GroupLayout jPanel1Layout = new javax.swing.GroupLayout(jPanel1);
jPanel1.setLayout(jPanel1Layout);
jPanel1Layout.setHorizontalGroup(
    jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel1Layout.createSequentialGroup()
            .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING)
                .add(jPanel1Layout.createSequentialGroup()
                    .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                        .add(jLabel1)
                        .add(jLabel2)
                        .add(jLabel3)
                        .add(jLabel4)
                    )
                    .add(submit)
                )
                .add(back)
            )
            .addContainerGap(15, Short.MAX_VALUE))
        .addGroup(jPanel1Layout.createSequentialGroup()
            .add(jLabel5)
            .addContainerGap())
);

```



```

        .addGap(30, 30, 30)

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addComponent(jLabel2)
    .addComponent(jLabel1)
    .addComponent(jLabel3)
    .addComponent(jLabel4))
    .addGap(66, 66, 66)

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)
    .addComponent(un)
    .addComponent(fn)
    .addComponent(ln)
    .addComponent(phno, javax.swing.GroupLayout.DEFAULT_SIZE, 159,
Short.MAX_VALUE)))
    .addGroup(javax.swing.GroupLayout.Alignment.LEADING,
jPanel1Layout.createSequentialGroup()
    .addGap(69, 69, 69)
    .addComponent(back)
    .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED,
120, Short.MAX_VALUE)
    .addComponent(submit)
    .addGap(40, 40, 40)))
    .addContainerGap(51, Short.MAX_VALUE))
);
jPanel1Layout.setVerticalGroup(
jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addGroup(jPanel1Layout.createSequentialGroup()
        .addGap(35, 35, 35)

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addComponent(jLabel2)
    .addComponent(un, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE))
    .addGap(18, 18, 18)

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addComponent(jLabel1)
    .addComponent(fn, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE))
    .addGap(18, 18, 18)

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

```

```

        .addComponent(jLabel3)
        .addComponent(ln, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE))
        .addGap(18, 18, 18)

    .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addComponent(jLabel4)
        .addComponent(phno, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE))
        .addGap(38, 38, 38)

    .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
        .addComponent(submit)
        .addComponent(back))
        .addContainerGap(70, Short.MAX_VALUE))
    );

```

```

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

```

```

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

```

```

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

```

```

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

```

```

private void backActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
    dispose();
    login jf1 = new login();
    jf1.setVisible(true);
}

```

```

    }

    private void submitActionPerformed(java.awt.event.ActionEvent evt) {
        // TODO add your handling code here:
        String fnv=fn.getText();
        String lnv=ln.getText();
        String unv=un.getText();
        String phnov=phno.getText();
        fnv=encryption.enrcpfun(fnv);
        lnv=encryption.enrcpfun(lnv);
        unv=encryption.enrcpfun(unv);
        phnov=encryption.enrcpfun(phnov);
        try {
            Statement s =(Statement) db.mycon().createStatement();//Select * from account where
            username = 'anishchamaria1@email.com' and fname = 'Anish' and lname = 'Chamaria' and
            phonenum = 1234567890;
            ResultSet rs = s.executeQuery("Select * from account where username = '"+unv+"' and
            fname = '"+fnv+"' and lname = '"+lnv+"' and phonenum = '"+phnov+"'");
            if(rs.next()){
                unv=decription.decrpfun(unv);
                JOptionPane.showMessageDialog(null,"USERNAME: "+unv+"\nPASSWORD:
            "+decription.decrpfun(rs.getString("password")));
                login jf1 = new login();
                jf1.setVisible(true);
                dispose();
            }
            else{
                JOptionPane.showMessageDialog(null,"Incorrect Details!");
            }

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

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

```

```

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

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

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

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

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

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

// Variables declaration - do not modify
private javax.swing.JButton back;
private javax.swing.JTextField fn;
private javax.swing.JLabel jLabel1;
private javax.swing.JLabel jLabel2;
private javax.swing.JLabel jLabel3;
private javax.swing.JLabel jLabel4;
private javax.swing.JPanel jPanel1;
private javax.swing.JTextField ln;
private javax.swing.JTextField phno;
private javax.swing.JButton submit;
private javax.swing.JTextField un;
// End of variables declaration
}

```

# ENCRYPTION AND DECRYPTION

## ENCRYPTION:

```
package email;

/**
 *
 * @author Admin
 */

public class encryption {
    public static int binary(int N){
        int sum=0,i;
        int binaryarr[] = new int[40];
        int index = 0;
        while(N > 0){
            binaryarr[index++] = N%2;
            N/=2;
        }
        for(i = index-1;i >= 0;i--){
            sum*=10;
            sum+=binaryarr[i];
        }
        return sum;
    }
    public static String encrpfun(String s){
        try {
            int i;
            String rs="";
            for(i=0;i<s.length();i++){
                char c=s.charAt(i);
                if((c>='A'&&c<='Z')||(c>='a'&&c<='z')){
                    rs=rs+binary(c*8)+"/";
                }
                else if(c>='0'&&c<='9')
                    rs=rs+binary(c*6)+"/";
                else
                    rs=rs+binary(c*4)+"/";
            }
            return rs;
        }
        catch (Exception e) {
            System.out.print("Encription Unsuccesfull!");
            return "Null";
        }
    }
}
```

# **DECRYPTION:**

```
package email;
```

```
//import static email.encryption.binary;
```

```
/**
```

```
 *
```

```
 * @author Admin
```

```
 */
```

```
public class decryption {
```

```
    public static String decrpfun(String s){
```

```
        try {
```

```
            int i,sum=0,co=0,powsum;
```

```
            String rs="";
```

```
            for(i=0;i<s.length();i++){
```

```
                char c=s.charAt(i);
```

```
                if(c=='/'){
```

```
                    powsum=0;
```

```
                    co=0;
```

```
                    while(sum>0){
```

```
                        powsum+=sum%10*Math.pow(2,co++);
```

```
                        sum/=10;
```

```
                    }
```

```
                    if((powsum>=520&&powsum<=720)||((powsum>=776&&powsum<=976))
```

```
                        rs=rs+(char)(powsum/8);
```

```
                    else if(powsum>=288&&powsum<=342)
```

```
                        rs=rs+(char)(powsum/6);
```

```
                    else
```

```
                        rs=rs+(char)(powsum/4);
```

```
                    sum=0;
```

```
                    co=0;
```

```
                }
```

```
            }else{
```

```
                sum*=10;
```

```
                sum+=(c-48);
```

```
            }
```

```
        }
```

```
        return rs;
```

```
    }
```

```
    catch (Exception e) {
```

```
        System.out.print("Decryption Unsuccesfull!");
```

```
        return "Null";
```

```
    }
```

```
}
```

```
}
```