

Appendix B

Welcome.java

```
import com.jtattoo.plaf.graphite.GraphiteLookAndFeel;
import java.util.Properties;
import javax.swing.UIManager;

/**
 *
 * @author USER
 */
public class Welcome extends javax.swing.JFrame {

    /**
     * Creates new form Welcome
     */
    public Welcome() {
        super("Greetings!");
        initComponents();
    }

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

        jPanel1 = new javax.swing.JPanel();
        jLabel1 = new javax.swing.JLabel();
        jLabel2 = new javax.swing.JLabel();
        jPanel2 = new javax.swing.JPanel();
        jButton4 = new javax.swing.JButton();
        jPanel3 = new javax.swing.JPanel();
        jButton3 = new javax.swing.JButton();
        jPanel4 = new javax.swing.JPanel();
        jButton2 = new javax.swing.JButton();
        jLabel3 = new javax.swing.JLabel();

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

```

jPanel1.setBackground(new java.awt.Color(0, 0, 0));
jPanel1.setPreferredSize(new java.awt.Dimension(800, 600));

jLabel1.setFont(new java.awt.Font("Tw Cen MT Condensed", 0, 48)); // NOI18N
jLabel1.setForeground(new java.awt.Color(153, 0, 153));
jLabel1.setText("Welcome to Your Assignment and Task Tracker!");

jLabel2.setFont(new java.awt.Font("Arial", 0, 18)); // NOI18N
jLabel2.setForeground(new java.awt.Color(255, 0, 51));
jLabel2.setText("Thank You for Checking In and Remembering to Be Productive Today");

jPanel2.setBackground(new java.awt.Color(102, 102, 255));

jButton4.setBackground(new java.awt.Color(0, 0, 0));
jButton4.setForeground(new java.awt.Color(153, 153, 255));
jButton4.setText("Create Account");
jButton4.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jButton4ActionPerformed(evt);
    }
});

javax.swing.GroupLayout jPanel2Layout = new javax.swing.GroupLayout(jPanel2);
jPanel2.setLayout(jPanel2Layout);
jPanel2Layout.setHorizontalGroup(
    jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel2Layout.createSequentialGroup()
            .addGap(36, 36, 36)
            .addComponent(jButton4)
            .addGap(35, Short.MAX_VALUE))
);
jPanel2Layout.setVerticalGroup(
    jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel2Layout.createSequentialGroup()
            .addGap(56, 56, 56)
            .addComponent(jButton4)
            .addGap(84, Short.MAX_VALUE))
);

jPanel3.setBackground(new java.awt.Color(0, 153, 0));

jButton3.setBackground(new java.awt.Color(0, 0, 0));
jButton3.setFont(new java.awt.Font("Arial", 0, 12)); // NOI18N
jButton3.setForeground(new java.awt.Color(0, 153, 0));

```

```

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

javax.swing.GroupLayout jPanel3Layout = new javax.swing.GroupLayout(jPanel3);
jPanel3.setLayout(jPanel3Layout);
jPanel3Layout.setHorizontalGroup(
    jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel3Layout.createSequentialGroup()
            .addGap(30, 30, 30)
            .addComponent(jButton3)
            .addGap(32, Short.MAX_VALUE))
);
jPanel3Layout.setVerticalGroup(
    jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel3Layout.createSequentialGroup()
            .addGap(62, 62, 62)
            .addComponent(jButton3)
            .addGap(80, Short.MAX_VALUE))
);

jPanel4.setBackground(new java.awt.Color(255, 153, 0));

jButton2.setBackground(new java.awt.Color(0, 0, 0));
jButton2.setFont(new java.awt.Font("Arial", 0, 12)); // NOI18N
jButton2.setForeground(new java.awt.Color(255, 153, 0));
jButton2.setText("Login");
jButton2.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jButton2ActionPerformed(evt);
    }
});

javax.swing.GroupLayout jPanel4Layout = new javax.swing.GroupLayout(jPanel4);
jPanel4.setLayout(jPanel4Layout);
jPanel4Layout.setHorizontalGroup(
    jPanel4Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel4Layout.createSequentialGroup()
            .addGap(54, 54, 54)
            .addComponent(jButton2, javax.swing.GroupLayout.PREFERRED_SIZE, 73,
javax.swing.GroupLayout.PREFERRED_SIZE)

```



```

        .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
jPanel1Layout.createSequentialGroup())
            .addComponent(jLabel1, javax.swing.GroupLayout.PREFERRED_SIZE, 682,
javax.swing.GroupLayout.PREFERRED_SIZE)
            .addGap(54, 54, 54))))
    );
    jPanel1Layout.setVerticalGroup(
        jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(jPanel1Layout.createSequentialGroup())
                .addGap(30, 30, 30)

        .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING)
            .addGroup(jPanel1Layout.createSequentialGroup())
                .addComponent(jLabel3)
                .addGap(53, 53, 53)
                .addComponent(jPanel4, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))
            .addGroup(jPanel1Layout.createSequentialGroup())
                .addComponent(jLabel1)
                .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
                .addComponent(jLabel2)

        .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(jPanel1Layout.createSequentialGroup())
                .addGap(118, 118, 118)
                .addComponent(jPanel2, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))
            .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
jPanel1Layout.createSequentialGroup())

        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
            .addComponent(jPanel3, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))))))
        .addContainerGap(204, Short.MAX_VALUE))
    );

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

```

```

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

        setSize(new java.awt.Dimension(814, 637));
        setLocationRelativeTo(null);
    }// </editor-fold>

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

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

    private void jButton4ActionPerformed(java.awt.event.ActionEvent evt) {
        // TODO add your handling code here:
        signUp ob = new signUp();
        ob.setVisible(true);
        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; */
    Properties props = new Properties();
    props.put("logoString", "");
    GraphiteLookAndFeel.setCurrentTheme(props);
    UIManager.setLookAndFeel("com.jtattoo.plaf.graphite.GraphiteLookAndFeel");

    }}
    catch (ClassNotFoundException ex) {

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

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

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

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

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

// Variables declaration - do not modify
private javax.swing.JButton jButton2;
private javax.swing.JButton jButton3;
private javax.swing.JButton jButton4;
private javax.swing.JLabel jLabel1;
private javax.swing.JLabel jLabel2;
private javax.swing.JLabel jLabel3;
private javax.swing.JPanel jPanel1;
private javax.swing.JPanel jPanel2;

```

```

private javax.swing.JPanel jPanel3;
private javax.swing.JPanel jPanel4;
// End of variables declaration
}

```

Connector.java

```

/**
 *
 * @author USER
 */
import java.sql.*;
import javax.swing.*;

public class Connector {
    Connection conn;

    public static Connection connectDB(){
        try{
            Connection conn = DriverManager.getConnection("jdbc:sqlite:Computer Science IA.db");
            return conn;
        } catch (Exception e) {
            JOptionPane.showMessageDialog(null, e);
            return null;
        }
    }
}

```


signUp.java

```

**
*
* @author USER
*/
import java.sql.*;
import javax.swing.*;
public class signUp extends javax.swing.JFrame {
    Connection conn;
    PreparedStatement pst;
    /**
     * Creates new form signUp
     */
    public signUp() {
        super("Sign Up");
        initComponents();
        conn = Connector.connectDB();
    }

    /**
     * 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();
        jTextField1 = new javax.swing.JTextField();
        jTextField2 = new javax.swing.JTextField();
        jPasswordField1 = new javax.swing.JPasswordField();
        jLabel5 = new javax.swing.JLabel();
        jTextField3 = new javax.swing.JTextField();
        jButton2 = new javax.swing.JButton();
        jButton3 = new javax.swing.JButton();

        setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);

```

```

jPanel1.setBackground(new java.awt.Color(0, 0, 0));
jPanel1.setBorder(javax.swing.BorderFactory.createTitledBorder(new
javax.swing.border.LineBorder(new java.awt.Color(255, 0, 0), 5, true), "Create Your Account",
javax.swing.border.TitledBorder.DEFAULT_JUSTIFICATION,
javax.swing.border.TitledBorder.DEFAULT_POSITION, new java.awt.Font("Calibri", 1, 24), new
java.awt.Color(255, 255, 255))); // NOI18N

```

```

jLabel1.setFont(new java.awt.Font("Arial Black", 0, 12)); // NOI18N
jLabel1.setForeground(new java.awt.Color(255, 255, 255));
jLabel1.setText("Name:");

```

```

jLabel2.setFont(new java.awt.Font("Arial Black", 0, 12)); // NOI18N
jLabel2.setForeground(new java.awt.Color(255, 255, 255));
jLabel2.setText("Email (Must be unique!):");

```

```

jLabel3.setFont(new java.awt.Font("Arial Black", 0, 12)); // NOI18N
jLabel3.setForeground(new java.awt.Color(255, 255, 255));
jLabel3.setText("Password:");

```

```

jLabel4.setFont(new java.awt.Font("Arial Black", 0, 12)); // NOI18N
jLabel4.setForeground(new java.awt.Color(255, 255, 255));
jLabel4.setText("A password of at least six is characters is recommended!");

```

```

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

```

```

jLabel5.setFont(new java.awt.Font("Arial Black", 0, 12)); // NOI18N
jLabel5.setForeground(new java.awt.Color(255, 255, 255));
jLabel5.setText("PIN (You must remember this)");

```

```

jButton2.setBackground(new java.awt.Color(255, 0, 0));
jButton2.setFont(new java.awt.Font("Arial", 0, 12)); // NOI18N
jButton2.setForeground(new java.awt.Color(255, 255, 255));
jButton2.setText("Sign Up");
jButton2.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jButton2ActionPerformed(evt);
    }
});

```

```

jButton3.setBackground(new java.awt.Color(255, 0, 0));

```

```

jButton3.setFont(new java.awt.Font("Arial", 0, 12)); // NOI18N
jButton3.setForeground(new java.awt.Color(255, 255, 255));
jButton3.setText("Back to Login");
jButton3.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jButton3ActionPerformed(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.LEADING)
                .addGroup(jPanel1Layout.createSequentialGroup()
                    .addGroup(jPanel1Layout.createSequentialGroup()
                        .addGap(34, 34, 34)
                        .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                            .addGroup(jPanel1Layout.createSequentialGroup()
                                .addGroup(jPanel1Layout.createSequentialGroup()
                                    .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                                        .addComponent(jLabel2)
                                        .addGap(18, 18, 18)
                                        .addComponent(jTextField2, javax.swing.GroupLayout.PREFERRED_SIZE, 252,
javax.swing.GroupLayout.PREFERRED_SIZE))
                                    .addGroup(jPanel1Layout.createSequentialGroup()
                                        .addComponent(jLabel1)
                                        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)
                                        .addComponent(jTextField1, javax.swing.GroupLayout.PREFERRED_SIZE, 200,
javax.swing.GroupLayout.PREFERRED_SIZE))
                                    .addGroup(jPanel1Layout.createSequentialGroup()
                                        .addComponent(jLabel3)
                                        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)
                                        .addComponent(jPasswordField1,
javax.swing.GroupLayout.PREFERRED_SIZE, 154,
javax.swing.GroupLayout.PREFERRED_SIZE))
                                    .addGroup(jPanel1Layout.createSequentialGroup()
                                        .addComponent(jLabel5)
                                        .addGap(18, 18, 18)
                                        .addComponent(jTextField3, javax.swing.GroupLayout.PREFERRED_SIZE, 151,
javax.swing.GroupLayout.PREFERRED_SIZE))
                                    .addContainerGap(180, Short.MAX_VALUE))
                                .addGroup(jPanel1Layout.createSequentialGroup()
                                    .addGap(132, 132, 132)
                                    .addComponent(jButton2, javax.swing.GroupLayout.PREFERRED_SIZE, 73,
javax.swing.GroupLayout.PREFERRED_SIZE)

```

```

        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
        .addComponent(jButton3)
        .addGap(149, 149, 149))
        .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
jPanel1Layout.createSequentialGroup())
        .addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
        .addComponent(jLabel4)
        .addGap(119, 119, 119))
    );
    jPanel1Layout.setVerticalGroup(
        jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel1Layout.createSequentialGroup()
            .addGroup(jPanel1Layout.createSequentialGroup()
                .addGap(54, 54, 54)
                .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING)
                    .addComponent(jLabel1)
                    .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                        .addComponent(jTextField1, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))
                    .addGap(59, 59, 59)
                .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
                    .addComponent(jLabel2)
                    .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                        .addComponent(jTextField2, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))
                    .addGap(48, 48, 48)
                .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
                    .addComponent(jLabel3)
                    .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                        .addComponent(passwordField1, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))
                    .addGap(30, 30, 30)
                    .addComponent(jLabel4)
                    .addGap(29, 29, 29)
                .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
                    .addComponent(jTextField3, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
                    .addComponent(jLabel5)
                    .addGap(35, 35, 35)
                .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
                    .addComponent(jButton2)
                    .addComponent(jButton3))
            .addContainerGap()
        );

```

```

        .addContainerGap(43, 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.Alignment.TRAILING,
                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)
    );

    setSize(new java.awt.Dimension(674, 537));
    setLocationRelativeTo(null);
} // </editor-fold>

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

private void jButton2ActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
    String Hint_Password = "";
    try {
        String Pass = jPasswordField1.getText();
        String Hint = Pass.substring(0,2);
        String Asterisk = "";
        for (int i = 0; i < Pass.length() - 2; i++) {
            Asterisk = Asterisk + "*";
        }
        Hint_Password = Hint + Asterisk;
    }
    catch(Exception e) {
        JOptionPane.showMessageDialog(null,e);
    }
    try{
        String sql = "Insert into Account (Name,Email>Password,PIN,Decrypted_Password)
values(?,?,?,?,?)";
        pst = conn.prepareStatement(sql);
    }
}

```

```

        pst.setString(1, jTextField1.getText());
        pst.setString(2, jTextField2.getText());
        pst.setString(3, Hint_Password);
        pst.setString(4, jTextField3.getText());
        pst.setString(5, jPasswordField1.getText());
        pst.execute();
        JOptionPane.showMessageDialog(null,"New Account Created");
        pst.close();
        conn.close();
    }
    catch(Exception e) {
        JOptionPane.showMessageDialog(null,e);
    }
}

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

/**
 * @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(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.JButton jButton2;
private javax.swing.JButton jButton3;
private javax.swing.JLabel jLabel1;
private javax.swing.JLabel jLabel2;
private javax.swing.JLabel jLabel3;
private javax.swing.JLabel jLabel4;
private javax.swing.JLabel jLabel5;
private javax.swing.JPanel jPanel1;
private javax.swing.JPasswordField jPasswordField1;
private javax.swing.JTextField jTextField1;
private javax.swing.JTextField jTextField2;
private javax.swing.JTextField jTextField3;
// End of variables declaration
}

```

Login.java

```

import com.jtattoo.plaf.graphite.GraphiteLookAndFeel;
import java.sql.*;
import java.util.Properties;
import javax.swing.*.*;
/**
 *
 * @author USER
 */
public class Login extends javax.swing.JFrame {
    Connection conn;
    ResultSet rs;
    PreparedStatement pst;
    /**
     * Creates new form Login
     */
    public Login() {
        super("Login");
        initComponents();
        conn = Connector.connectDB();
    }

    /**
     * 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();
        jTextField1 = new javax.swing.JTextField();
        jPasswordField1 = new javax.swing.JPasswordField();
        jButton5 = new javax.swing.JButton();
        jButton6 = new javax.swing.JButton();
        jButton7 = new javax.swing.JButton();

        setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);

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

```



```
jPanel1.setBorder(javax.swing.BorderFactory.createTitledBorder(new
javax.swing.border.LineBorder(new java.awt.Color(0, 255, 255), 5, true), "Log in with Your
Details", javax.swing.border.TitledBorder.DEFAULT_JUSTIFICATION,
javax.swing.border.TitledBorder.DEFAULT_POSITION, new java.awt.Font("Arial", 1, 24), new
java.awt.Color(255, 255, 255))); // NOI18N
```

```
jLabel1.setFont(new java.awt.Font("Arial Black", 0, 12)); // NOI18N
jLabel1.setForeground(new java.awt.Color(255, 255, 255));
jLabel1.setText("Email:");
```

```
jLabel2.setFont(new java.awt.Font("Arial Black", 0, 12)); // NOI18N
jLabel2.setForeground(new java.awt.Color(255, 255, 255));
jLabel2.setText("Password:");
```

```
jToggleButton5.setBackground(new java.awt.Color(0, 255, 255));
jToggleButton5.setFont(new java.awt.Font("Arial", 1, 12)); // NOI18N
jToggleButton5.setForeground(new java.awt.Color(255, 255, 255));
jToggleButton5.setText("Forgot Password? Click Here");
jToggleButton5.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jToggleButton5ActionPerformed(evt);
    }
});
```

```
jToggleButton6.setBackground(new java.awt.Color(0, 255, 255));
jToggleButton6.setFont(new java.awt.Font("Arial", 1, 12)); // NOI18N
jToggleButton6.setForeground(new java.awt.Color(255, 255, 255));
jToggleButton6.setText("Back to Welcome");
jToggleButton6.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jToggleButton6ActionPerformed(evt);
    }
});
```

```
jToggleButton7.setBackground(new java.awt.Color(0, 255, 255));
jToggleButton7.setFont(new java.awt.Font("Arial", 1, 12)); // NOI18N
jToggleButton7.setForeground(new java.awt.Color(255, 255, 255));
jToggleButton7.setText("Click Here to Reach the Homepage");
jToggleButton7.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jToggleButton7ActionPerformed(evt);
    }
});
```



```

        .addComponent(jTextField1, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))
        .addGap(40, 40, 40)

    .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
        .addComponent(jLabel2)
        .addComponent(jPasswordField1, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
        .addComponent(jToggleButton5))
        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED, 94,
Short.MAX_VALUE)
        .addComponent(jToggleButton7)
        .addGap(45, 45, 45)
        .addComponent(jToggleButton6)
        .addGap(54, 54, 54))
    );

    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.Alignment.TRAILING,
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.Alignment.TRAILING,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE)
    );

    setSize(new java.awt.Dimension(634, 537));
    setLocationRelativeTo(null);
} // </editor-fold>

private void jToggleButton5ActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
    setVisible(false);
    Forgot ob = new Forgot();
    ob.setVisible(true);
}

private void jToggleButton6ActionPerformed(java.awt.event.ActionEvent evt) {

```

```

// TODO add your handling code here:
Welcome ob = new Welcome();
ob.setVisible(true);
setVisible(false);
}

private void jToggleButton7ActionPerformed(java.awt.event.ActionEvent evt) {
// TODO add your handling code here:
String sql = "select * from Account where Email=? and Decrypted_Password=?";
try{
    pst = conn.prepareStatement(sql);
    pst.setString(1,jTextField1.getText());
    pst.setString(2,jPasswordField1.getText());
    rs = pst.executeQuery();
    if (rs.next()){
        rs.close();
        pst.close();
        conn.close();
        setVisible(false);
        Homepage ob = new Homepage();
        ob.setVisible(true);
    } else {

        JOptionPane.showMessageDialog(null, "Incorrect Email and/or Password");
    }
} catch(Exception e){
    JOptionPane.showMessageDialog(null, 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; */
        Properties props = new Properties();
        props.put("logoString", "");
        GraphiteLookAndFeel.setCurrentTheme(props);
        UIManager.setLookAndFeel("com.jtattoo.plaf.graphite.GraphiteLookAndFeel");

    }
} 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.JLabel jLabel1;
private javax.swing.JLabel jLabel2;
private javax.swing.JPanel jPanel1;
private javax.swing.JPasswordField jPasswordField1;
private javax.swing.JTextField jTextField1;
private javax.swing.JToggleButton jToggleButton5;
private javax.swing.JToggleButton jToggleButton6;
private javax.swing.JToggleButton jToggleButton7;
// End of variables declaration

```

```
}
```

Forgot.java

```
/**
 *
 * @author USER
 */
import java.sql.*;
import java.util.logging.Level;
import java.util.logging.Logger;
import javax.swing.*;

public class Forgot extends javax.swing.JFrame {
    Connection conn;
    ResultSet rs;
    PreparedStatement pst;
    /**
     * Creates new form Forgot
     */
    public Forgot() {
        super("Forgot Password");
        initComponents();
        conn = Connector.connectDB();
    }
    public void retrieveOne(){
        String a1 = jTextField1.getText();
        String sql = "select * from Account where Email =" + a1 + "";
        try{
            pst=conn.prepareStatement(sql);
            rs=pst.executeQuery();
            if (rs.next()){
                jTextField2.setText(rs.getString(3));

            } else {
                JOptionPane.showMessageDialog(null, "incorrect email");
            }
        } catch(Exception e){
            JOptionPane.showMessageDialog(null, e);
        }
    }
    public void retrieveTwo(){
        String a1 = jTextField1.getText();
```

```

String a2 = jTextField3.getText();
String sql = "select * from Account where Email='"+a1+"' AND PIN='"+a2+"'";
try{
    pst=conn.prepareStatement(sql);
    rs=pst.executeQuery();
    //if(rs.next()){
        jTextField4.setText(rs.getString(5));
    //}
} catch(Exception e){
    JOptionPane.showMessageDialog(null, "Fields Inputted Incorrectly");
}
}
/**
 * This method is called from within the constructor to initialize the form.
 * WARNING: Do NOT modify this code. The content of this method is always
 * regenerated by the Form Editor.
 */
@SuppressWarnings("unchecked")
// <editor-fold defaultstate="collapsed" desc="Generated Code">
private void initComponents() {

    jLabel1 = new javax.swing.JLabel();
    jPanel1 = new javax.swing.JPanel();
    jLabel2 = new javax.swing.JLabel();
    jTextField1 = new javax.swing.JTextField();
    jLabel3 = new javax.swing.JLabel();
    jTextField2 = new javax.swing.JTextField();
    jLabel4 = new javax.swing.JLabel();
    jTextField3 = new javax.swing.JTextField();
    jLabel5 = new javax.swing.JLabel();
    jTextField4 = new javax.swing.JTextField();
    jButton1 = new javax.swing.JButton();
    jButton3 = new javax.swing.JButton();
    jButton2 = new javax.swing.JButton();

    jLabel1.setText("jLabel1");

    setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);

    jPanel1.setBackground(new java.awt.Color(0, 0, 0));
    jPanel1.setBorder(javax.swing.BorderFactory.createTitledBorder(new
javax.swing.border.LineBorder(new java.awt.Color(255, 255, 51), 5, true), "Retrieve Your
Password Here", javax.swing.border.TitledBorder.DEFAULT_JUSTIFICATION,

```

```
javax.swing.border.TitledBorder.DEFAULT_POSITION, new java.awt.Font("Arial", 1, 24), new
java.awt.Color(255, 255, 255)); // NOI18N
```

```
jLabel2.setFont(new java.awt.Font("Arial Black", 0, 12)); // NOI18N
jLabel2.setForeground(new java.awt.Color(255, 255, 255));
jLabel2.setText("Email:");
jLabel2.setToolTipText("");
```

```
jTextField1.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jTextField1ActionPerformed(evt);
    }
});
```

```
jLabel3.setFont(new java.awt.Font("Arial Black", 0, 12)); // NOI18N
jLabel3.setForeground(new java.awt.Color(255, 255, 255));
jLabel3.setText("Encrypted Password:");
jLabel3.setToolTipText("");
```

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

```
jLabel4.setFont(new java.awt.Font("Arial Black", 0, 12)); // NOI18N
jLabel4.setForeground(new java.awt.Color(255, 255, 255));
jLabel4.setText("PIN for Decrypted Password:");
jLabel4.setToolTipText("");
```

```
jTextField3.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jTextField3ActionPerformed(evt);
    }
});
```

```
jLabel5.setFont(new java.awt.Font("Arial Black", 0, 12)); // NOI18N
jLabel5.setForeground(new java.awt.Color(255, 255, 255));
jLabel5.setText("Decrypted Password:");
jLabel5.setToolTipText("");
```

```
jTextField4.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jTextField4ActionPerformed(evt);
    }
});
```



```

    }
    });

    jButton1.setBackground(new java.awt.Color(255, 255, 51));
    jButton1.setFont(new java.awt.Font("Arial Black", 0, 12)); // NOI18N
    jButton1.setForeground(new java.awt.Color(255, 255, 255));
    jButton1.setText("Retrieve");
    jButton1.addActionListener(new java.awt.event.ActionListener() {
        public void actionPerformed(java.awt.event.ActionEvent evt) {
            jButton1ActionPerformed(evt);
        }
    });

    jButton3.setBackground(new java.awt.Color(255, 255, 51));
    jButton3.setFont(new java.awt.Font("Arial Black", 0, 12)); // NOI18N
    jButton3.setForeground(new java.awt.Color(255, 255, 255));
    jButton3.setText("Retrieve Decrypted Password");
    jButton3.addActionListener(new java.awt.event.ActionListener() {
        public void actionPerformed(java.awt.event.ActionEvent evt) {
            jButton3ActionPerformed(evt);
        }
    });

    jButton2.setBackground(new java.awt.Color(0, 0, 0));
    jButton2.setFont(new java.awt.Font("Arial Black", 0, 12)); // NOI18N
    jButton2.setForeground(new java.awt.Color(255, 255, 255));
    jButton2.setText("To Login");
    jButton2.addActionListener(new java.awt.event.ActionListener() {
        public void actionPerformed(java.awt.event.ActionEvent evt) {
            jButton2ActionPerformed(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(263, 263, 263)
                .addComponent(jButton2)
                .addGap(0, 254, Short.MAX_VALUE))
            .addGroup(jPanel1Layout.createSequentialGroup()
                .addGap(28, 28, 28)

```

```

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addGroup(jPanel1Layout.createSequentialGroup()
        .addComponent(jLabel4)
        .addGap(18, 18, 18)
        .addComponent(jTextField3, javax.swing.GroupLayout.PREFERRED_SIZE, 135,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addContainerGap())
    .addGroup(jPanel1Layout.createSequentialGroup()

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addComponent(jLabel2, javax.swing.GroupLayout.PREFERRED_SIZE, 49,
javax.swing.GroupLayout.PREFERRED_SIZE)
    .addComponent(jLabel3, javax.swing.GroupLayout.PREFERRED_SIZE, 143,
javax.swing.GroupLayout.PREFERRED_SIZE)
    .addComponent(jLabel5))

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

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

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addComponent(jTextField2,
javax.swing.GroupLayout.PREFERRED_SIZE, 135,
javax.swing.GroupLayout.PREFERRED_SIZE)

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addGroup(jPanel1Layout.createSequentialGroup()
        .addComponent(jTextField1,
javax.swing.GroupLayout.PREFERRED_SIZE, 135,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addGap(115, 115, 115)
        .addComponent(jButton1))
        .addComponent(jButton3,
javax.swing.GroupLayout.Alignment.TRAILING)))
    .addGap(57, 57, 57))
    .addGroup(jPanel1Layout.createSequentialGroup()
        .addGap(65, 65, 65)
        .addComponent(jTextField4, javax.swing.GroupLayout.PREFERRED_SIZE,
135, 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())

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addGroup(jPanel1Layout.createSequentialGroup())
        .addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE)

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addComponent(jLabel2)
        .addComponent(jTextField1, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))
    .addGap(54, 54, 54))
    .addGroup(jPanel1Layout.createSequentialGroup())
        .addGap(31, 31, 31)
        .addComponent(jButton1)
        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)))

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
    .addComponent(jLabel3)
        .addComponent(jTextField2, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))
    .addGap(62, 62, 62)

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addComponent(jLabel4)
        .addComponent(jTextField3, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))
    .addGap(18, 18, 18)
    .addComponent(jButton3)
    .addGap(33, 33, 33)

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
    .addComponent(jTextField4, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
        .addComponent(jLabel5))
    .addGap(65, 65, 65)
    .addComponent(jButton2)
    .addGap(353, 353, 353))
);

```

```

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)
        .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
layout.createSequentialGroup()
        .addGap(0, 2, Short.MAX_VALUE)
        .addComponent(jPanel1, javax.swing.GroupLayout.PREFERRED_SIZE, 498,
javax.swing.GroupLayout.PREFERRED_SIZE))
);

setSize(new java.awt.Dimension(634, 537));
setLocationRelativeTo(null);
} // </editor-fold>

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

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

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

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

private void jButton2ActionPerformed(java.awt.event.ActionEvent evt) {
    try {
        // TODO add your handling code here:
        rs.close();
        pst.close();
        conn.close();
    } catch (Exception e) {
        JOptionPane.showMessageDialog(null, e);
    }
}

```

```

    }
    Login ob = new Login();
    ob.setVisible(true);
    setVisible(false);
}

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

private void jButton3ActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
    retrieveTwo();
}

/**
 * @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 :
java.swing.UIManager.getInstalledLookAndFeels()) {
            if ("Nimbus".equals(info.getName())) {
                javax.swing.UIManager.setLookAndFeel(info.getClassName());
                break;
            }
        }
    } catch (ClassNotFoundException ex) {

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

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

```

```

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

```

```

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

```

```

// Variables declaration - do not modify
private javax.swing.JButton jButton1;
private javax.swing.JButton jButton2;
private javax.swing.JButton jButton3;
private javax.swing.JLabel jLabel1;
private javax.swing.JLabel jLabel2;
private javax.swing.JLabel jLabel3;
private javax.swing.JLabel jLabel4;
private javax.swing.JLabel jLabel5;
private javax.swing.JPanel jPanel1;
private javax.swing.JTextField jTextField1;
private javax.swing.JTextField jTextField2;
private javax.swing.JTextField jTextField3;
private javax.swing.JTextField jTextField4;
// End of variables declaration
}

```

Homepage.java

```

/**
 *
 * @author USER
 */
import java.sql.*;
import javax.swing.*;
import net.proteanit.sql.DbUtils;
public class Homepage extends javax.swing.JFrame {
    Connection conn;
    ResultSet rs;
    PreparedStatement pst;
    /**
     * Creates new form Homepage
     */
    public Homepage() {
        super("Homepage");
        initComponents();
        conn= Connector.connectDB();
        jTable1();
        jTable2();
    }
    public void jTable1(){
        try{
            String sql = "select Name, Subject, Deadline, Importance from Pending";
            pst = conn.prepareStatement(sql);
            rs = pst.executeQuery();
            jTable1.setModel(DbUtils.resultSetToTableModel(rs));
        } catch (Exception e) {
            JOptionPane.showMessageDialog(null,e);
        }
    }
    public void jTable2(){
        try{
            String sql = "select Name, Subject, Deadline, Completed from Completed";
            pst = conn.prepareStatement(sql);
            rs = pst.executeQuery();
            jTable2.setModel(DbUtils.resultSetToTableModel(rs));
            rs.close();
            pst.close();
            conn.close();
        } catch (Exception e) {
            JOptionPane.showMessageDialog(null,e);
        }
    }
}

```

```

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

    jPanel1 = new javax.swing.JPanel();
    jPanel2 = new javax.swing.JPanel();
    jButton1 = new javax.swing.JButton();
    jPanel3 = new javax.swing.JPanel();
    jButton2 = new javax.swing.JButton();
    jPanel4 = new javax.swing.JPanel();
    jButton4 = new javax.swing.JButton();
    jPanel5 = new javax.swing.JPanel();
    jButton3 = new javax.swing.JButton();
    jScrollPane1 = new javax.swing.JScrollPane();
    jTable1 = new javax.swing.JTable();
    jScrollPane2 = new javax.swing.JScrollPane();
    jTable2 = new javax.swing.JTable();
    jButton5 = new javax.swing.JButton();
    jLabel1 = new javax.swing.JLabel();
    jLabel2 = new javax.swing.JLabel();

    setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);

    jPanel1.setBackground(new java.awt.Color(0, 0, 0));
    jPanel1.setBorder(javax.swing.BorderFactory.createTitledBorder(new
javax.swing.border.LineBorder(new java.awt.Color(102, 0, 102), 5, true), "Manage Your Tasks
Here!", javax.swing.border.TitledBorder.DEFAULT_JUSTIFICATION,
javax.swing.border.TitledBorder.DEFAULT_POSITION, new java.awt.Font("Arial", 1, 24), new
java.awt.Color(255, 255, 255))); // NOI18N

    jPanel2.setBackground(new java.awt.Color(255, 0, 0));

    jButton1.setBackground(new java.awt.Color(255, 0, 0));
    jButton1.setForeground(new java.awt.Color(51, 51, 51));
    jButton1.setText("Add Assignment");
    jButton1.addActionListener(new java.awt.event.ActionListener() {
        public void actionPerformed(java.awt.event.ActionEvent evt) {

```



```

        jToggleButton1ActionPerformed(evt);
    }
});

javax.swing.GroupLayout jPanel2Layout = new javax.swing.GroupLayout(jPanel2);
jPanel2.setLayout(jPanel2Layout);
jPanel2Layout.setHorizontalGroup(
    jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel2Layout.createSequentialGroup()
            .addGap(41, 41, 41)
            .addComponent(jToggleButton1)
            .addGap(46, Short.MAX_VALUE))
        );
jPanel2Layout.setVerticalGroup(
    jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel2Layout.createSequentialGroup()
            .addGap(68, 68, 68)
            .addComponent(jToggleButton1)
            .addGap(104, Short.MAX_VALUE))
        );

jPanel3.setBackground(new java.awt.Color(0, 0, 204));

jToggleButton2.setBackground(new java.awt.Color(0, 0, 255));
jToggleButton2.setForeground(new java.awt.Color(51, 51, 51));
jToggleButton2.setText("Remove Assignment");
jToggleButton2.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jToggleButton2ActionPerformed(evt);
    }
});

javax.swing.GroupLayout jPanel3Layout = new javax.swing.GroupLayout(jPanel3);
jPanel3.setLayout(jPanel3Layout);
jPanel3Layout.setHorizontalGroup(
    jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel3Layout.createSequentialGroup()
            .addGap(31, 31, 31)
            .addComponent(jToggleButton2)
            .addGap(32, Short.MAX_VALUE))
        );
jPanel3Layout.setVerticalGroup(
    jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel3Layout.createSequentialGroup()

```

```

        .addGap(71, 71, 71)
        .addComponent(jToggleButton2)
        .addContainerGap(110, Short.MAX_VALUE))
    );

jPanel4.setBackground(new java.awt.Color(0, 255, 0));

jToggleButton4.setBackground(new java.awt.Color(0, 255, 0));
jToggleButton4.setForeground(new java.awt.Color(51, 51, 51));
jToggleButton4.setText("Deadline Progress");
jToggleButton4.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jToggleButton4ActionPerformed(evt);
    }
});

javax.swing.GroupLayout jPanel4Layout = new javax.swing.GroupLayout(jPanel4);
jPanel4.setLayout(jPanel4Layout);
jPanel4Layout.setHorizontalGroup(
    jPanel4Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
jPanel4Layout.createSequentialGroup()
            .addContainerGap(41, Short.MAX_VALUE)
            .addComponent(jToggleButton4)
            .addGap(34, 34, 34))
);
jPanel4Layout.setVerticalGroup(
    jPanel4Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel4Layout.createSequentialGroup()
            .addGroup(jPanel4Layout.createParallelGroup()
                .addGap(75, 75, 75)
                .addComponent(jToggleButton4)
                .addContainerGap(106, Short.MAX_VALUE))
);

jPanel5.setBackground(new java.awt.Color(255, 255, 0));

jToggleButton3.setBackground(new java.awt.Color(255, 255, 0));
jToggleButton3.setForeground(new java.awt.Color(51, 51, 51));
jToggleButton3.setText("Assignment Progress");
jToggleButton3.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jToggleButton3ActionPerformed(evt);
    }
});

```

```

javax.swing.GroupLayout jPanel5Layout = new javax.swing.GroupLayout(jPanel5);
jPanel5.setLayout(jPanel5Layout);
jPanel5Layout.setHorizontalGroup(
    jPanel5Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel5Layout.createSequentialGroup()
            .addGap(23, 23, 23)
            .addComponent(jToggleButton3)
            .addGap(36, Short.MAX_VALUE))
        );
jPanel5Layout.setVerticalGroup(
    jPanel5Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel5Layout.createSequentialGroup()
            .addGap(75, 75, 75)
            .addComponent(jToggleButton3)
            .addGap(106, Short.MAX_VALUE))
        );

jTable1.setBackground(new java.awt.Color(255, 0, 153));
jTable1.setForeground(new java.awt.Color(35, 35, 35));
jTable1.setModel(new javax.swing.table.DefaultTableModel(
    new Object [][] {
        {null, null, null, null},
        {null, null, null, null},
        {null, null, null, null},
        {null, null, null, null}
    },
    new String [] {
        "Title 1", "Title 2", "Title 3", "Title 4"
    }
));
jScrollPane1.setViewportView(jTable1);

jTable2.setBackground(new java.awt.Color(255, 0, 255));
jTable2.setModel(new javax.swing.table.DefaultTableModel(
    new Object [][] {
        {null, null, null, null},
        {null, null, null, null},
        {null, null, null, null},
        {null, null, null, null}
    },
    new String [] {
        "Title 1", "Title 2", "Title 3", "Title 4"
    }
});

```



```

        .addComponent(jPanel5, javax.swing.GroupLayout.Alignment.TRAILING,
javax.swing.GroupLayout.PREFERRED_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addComponent(jPanel4, javax.swing.GroupLayout.Alignment.TRAILING,
javax.swing.GroupLayout.PREFERRED_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE))))
    );

    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.DEFAULT_SIZE, 802,
Short.MAX_VALUE)
                .addContainerGap())
    );
    layout.setVerticalGroup(
        layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
javax.swing.GroupLayout.DEFAULT_SIZE, 602, Short.MAX_VALUE)
    );

    setSize(new java.awt.Dimension(814, 637));
    setLocationRelativeTo(null);
} // </editor-fold>

private void jButton1ActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
    addAssignment ob = new addAssignment();
    ob.setVisible(true);
    setVisible(false);
}

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

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

```

```

        deleteAssignment ob = new deleteAssignment();
        ob.setVisible(true);
        setVisible(false);
    }

    private void jToggleButton3ActionPerformed(java.awt.event.ActionEvent evt) {
        // TODO add your handling code here:
        Assignment_Progress ob = new Assignment_Progress();
        ob.setVisible(true);
        setVisible(false);
    }

    private void jToggleButton4ActionPerformed(java.awt.event.ActionEvent evt) {
        // TODO add your handling code here:
        Deadline_Progress ob = new Deadline_Progress();
        ob.setVisible(true);
        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(Hompage.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
        } catch (InstantiationException ex) {

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

```

```

    } catch (IllegalAccessException ex) {

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

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

// Variables declaration - do not modify
private javax.swing.JLabel jLabel1;
private javax.swing.JLabel jLabel2;
private javax.swing.JPanel jPanel1;
private javax.swing.JPanel jPanel2;
private javax.swing.JPanel jPanel3;
private javax.swing.JPanel jPanel4;
private javax.swing.JPanel jPanel5;
private javax.swing.JScrollPane jScrollPane1;
private javax.swing.JScrollPane jScrollPane2;
private javax.swing.JTable jTable1;
private javax.swing.JTable jTable2;
private javax.swing.JToggleButton jButton1;
private javax.swing.JToggleButton jButton2;
private javax.swing.JToggleButton jButton3;
private javax.swing.JToggleButton jButton4;
private javax.swing.JToggleButton jButton5;
// End of variables declaration
}

```


addAssignment.java

```

/**
 *
 * @author USER
 */
import java.sql.*;
import javax.swing.*;
public class addAssignment extends javax.swing.JFrame {
    Connection conn;
    //ResultSet rs;
    PreparedStatement pst;
    /**
     * Creates new form addAssignment
     */
    public addAssignment() {
        super("Login");
        initComponents();
        conn = Connector.connectDB();
    }

    /**
     * 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();
        jTextField1 = new javax.swing.JTextField();
        jTextField2 = new javax.swing.JTextField();
        jDateChooser1 = new com.toedter.calendar.JDateChooser();
        jButton1 = new javax.swing.JButton();
        jButton2 = new javax.swing.JButton();
        jComboBox1 = new javax.swing.JComboBox<>();

```

```

setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);

jPanel1.setBackground(new java.awt.Color(0, 0, 0));
jPanel1.setBorder(javax.swing.BorderFactory.createTitledBorder(new
javax.swing.border.LineBorder(new java.awt.Color(51, 204, 0), 5, true), "Add Your New Task
Here", javax.swing.border.TitledBorder.DEFAULT_JUSTIFICATION,
javax.swing.border.TitledBorder.DEFAULT_POSITION, new java.awt.Font("Arial", 1, 24), new
java.awt.Color(51, 204, 0))); // NOI18N

jLabel1.setBackground(new java.awt.Color(51, 204, 0));
jLabel1.setFont(new java.awt.Font("Arial", 0, 12)); // NOI18N
jLabel1.setForeground(new java.awt.Color(255, 255, 255));
jLabel1.setText("Assignment Name:");

jLabel2.setBackground(new java.awt.Color(51, 204, 0));
jLabel2.setFont(new java.awt.Font("Arial", 0, 12)); // NOI18N
jLabel2.setForeground(new java.awt.Color(255, 255, 255));
jLabel2.setText("Subject:");

jLabel3.setBackground(new java.awt.Color(51, 204, 0));
jLabel3.setFont(new java.awt.Font("Arial", 0, 12)); // NOI18N
jLabel3.setForeground(new java.awt.Color(255, 255, 255));
jLabel3.setText("Deadline:");

jLabel4.setBackground(new java.awt.Color(51, 204, 0));
jLabel4.setFont(new java.awt.Font("Arial", 0, 12)); // NOI18N
jLabel4.setForeground(new java.awt.Color(255, 255, 255));
jLabel4.setText("Importance Level:");

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

jDateChooser1.setDateFormatString("yyyy/MM/dd");

jButton1.setBackground(new java.awt.Color(51, 204, 0));
jButton1.setFont(new java.awt.Font("Arial", 0, 12)); // NOI18N
jButton1.setForeground(new java.awt.Color(255, 255, 255));
jButton1.setText("Add Assignment");
jButton1.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jButton1ActionPerformed(evt);
    }
});

```



```

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED, 263,
Short.MAX_VALUE)
        .addComponent(jButton1))
        .addGroup(jPanel1Layout.createSequentialGroup())

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING)
        .addComponent(jTextField1,
javax.swing.GroupLayout.PREFERRED_SIZE, 134,
javax.swing.GroupLayout.PREFERRED_SIZE)

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING,
false)
        .addComponent(jDateChooser1,
javax.swing.GroupLayout.DEFAULT_SIZE, 134, Short.MAX_VALUE)
        .addComponent(jTextField2)
        .addComponent(jComboBox1, 0,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)))
        .addGap(0, 0, Short.MAX_VALUE))))
        .addGap(128, 128, 128))
);
jPanel1Layout.setVerticalGroup(
jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel1Layout.createSequentialGroup()
        .addGap(39, 39, 39)

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
        .addComponent(jLabel1)
        .addComponent(jTextField1, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))
        .addGap(39, 39, 39)

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addComponent(jTextField2, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
        .addComponent(jLabel2))
        .addGap(33, 33, 33)

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING)
        .addComponent(jLabel3)
        .addComponent(jDateChooser1, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))
        .addGap(57, 57, 57)

```

```

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
    .addComponent(jLabel4)
    .addComponent(jComboBox1, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))
    .addGap(117, 117, 117)

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
    .addComponent(jButton1)
    .addComponent(jButton2))
    .addContainerGap(135, 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)
);

setSize(new java.awt.Dimension(814, 637));
setLocationRelativeTo(null);
} // </editor-fold>

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

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

private void jComboBox1ActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
}

```

```

private void jButton1ActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
    try{
        String sql = "Insert into Pending (Name,Subject,Deadline,Importance) values(?,?,?,?)";
        pst = conn.prepareStatement(sql);
        pst.setString(1, jTextField1.getText());
        pst.setString(2, jTextField2.getText());
        pst.setString(3,
((JTextField)jDateChooser1.getDateEditor().getUiComponent()).getText());
        pst.setString(4, (String) jComboBox1.getSelectedItem());
        pst.execute();
        JOptionPane.showMessageDialog(null,"Assignment Added!");
        pst.close();
        conn.close();
    }
    catch(Exception e) {
        JOptionPane.showMessageDialog(null,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(addAssignment.class.getName()).log(java.util.logging.Level.
        SEVERE, null, ex);
    } catch (InstantiationException ex) {

```

```

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

```

```

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

```

```

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

```

```

// Variables declaration - do not modify
private javax.swing.JButton jButton1;
private javax.swing.JButton jButton2;
private javax.swing.JComboBox<String> jComboBox1;
private com.toedter.calendar.JDateChooser jDateChooser1;
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 jTextField1;
private javax.swing.JTextField jTextField2;
// End of variables declaration
}

```

deleteAssignment.java

```

/**
 *
 * @author USER
 */
import java.sql.*;
import javax.swing.*;
public class deleteAssignment extends javax.swing.JFrame {
    Connection conn;
    ResultSet rs;
    PreparedStatement pst;
    /**
     * Creates new form deleteAssignment
     */
    public deleteAssignment() {
        super("Mark Assignment As Done");
        initComponents();
        conn = Connector.connectDB();
    }
    public void updateRecord(){
        String sql = "insert into Completed (Name,Subject,Deadline,Completed) values (?, ?, ?, ?)";
        try{
            pst = conn.prepareStatement(sql);
            pst.setString(1, jTextField1.getText());
            pst.setString(2, jTextField2.getText());
            pst.setString(3, jTextField3.getText());

pst.setString(4,((JTextField)jDateChooser1.getDateEditor().getUiComponent()).getText());
            pst.execute();
            JOptionPane.showMessageDialog(null,"Assignment Status Updated");
        }
        catch(Exception e) {
            JOptionPane.showMessageDialog(null,e);
        }
    }
    public void Delete(){
        String sql = "delete from Pending where Name=?";
        try{

```



```

        pst = conn.prepareStatement(sql);
        pst.setString(1, jTextField1.getText());
        pst.execute();
        rs.close();
        pst.close();
        conn.close();
    }
    catch(Exception e) {
        JOptionPane.showMessageDialog(null,e);
    }
}
/**
 * This method is called from within the constructor to initialize the form.
 * WARNING: Do NOT modify this code. The content of this method is always
 * regenerated by the Form Editor.
 */
@SuppressWarnings("unchecked")
// <editor-fold defaultstate="collapsed" desc="Generated Code">
private void initComponents() {

    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();
    jTextField1 = new javax.swing.JTextField();
    jTextField2 = new javax.swing.JTextField();
    jTextField3 = new javax.swing.JTextField();
    jDateChooser1 = new com.toedter.calendar.JDateChooser();
    jLabel5 = new javax.swing.JLabel();
    jButton1 = new javax.swing.JButton();
    jButton2 = new javax.swing.JButton();
    jButton3 = new javax.swing.JButton();
    jLabel6 = new javax.swing.JLabel();
    jTextField4 = new javax.swing.JTextField();

    setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);

    jPanel1.setBackground(new java.awt.Color(0, 0, 0));
    jPanel1.setBorder(javax.swing.BorderFactory.createTitledBorder(new
javax.swing.border.LineBorder(new java.awt.Color(204, 0, 255), 5, true), "Mark Your Assignment
As Done Here", javax.swing.border.TitledBorder.DEFAULT_JUSTIFICATION,
javax.swing.border.TitledBorder.DEFAULT_POSITION, new java.awt.Font("Arial", 1, 24), new
java.awt.Color(204, 0, 255))); // NOI18N

```

```

jLabel1.setFont(new java.awt.Font("Arial", 0, 12)); // NOI18N
jLabel1.setForeground(new java.awt.Color(255, 255, 255));
jLabel1.setText("Assignment Name:");

jLabel2.setFont(new java.awt.Font("Arial", 0, 12)); // NOI18N
jLabel2.setForeground(new java.awt.Color(255, 255, 255));
jLabel2.setText("Subject:");

jLabel3.setFont(new java.awt.Font("Arial", 0, 12)); // NOI18N
jLabel3.setForeground(new java.awt.Color(255, 255, 255));
jLabel3.setText("Deadline:");

jLabel4.setFont(new java.awt.Font("Arial", 0, 12)); // NOI18N
jLabel4.setForeground(new java.awt.Color(255, 255, 255));
jLabel4.setText("Date Submitted:");

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

jDateChooser1.setDateFormatString("yyyy/MM/dd");

jLabel5.setFont(new java.awt.Font("Arial", 0, 12)); // NOI18N
jLabel5.setForeground(new java.awt.Color(255, 255, 255));
jLabel5.setText("Input the Assignment Name to Retrieve Details");

jButton1.setBackground(new java.awt.Color(204, 0, 255));
jButton1.setFont(new java.awt.Font("Arial", 0, 12)); // NOI18N
jButton1.setForeground(new java.awt.Color(255, 255, 255));
jButton1.setText("Retrieve");
jButton1.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jButton1ActionPerformed(evt);
    }
});

jButton2.setBackground(new java.awt.Color(204, 0, 255));
jButton2.setFont(new java.awt.Font("Arial", 0, 12)); // NOI18N
jButton2.setForeground(new java.awt.Color(255, 255, 255));
jButton2.setText("Back to Homepage");
jButton2.addActionListener(new java.awt.event.ActionListener() {

```



```

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addComponent(jLabel3)
    .addComponent(jLabel6))

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

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addComponent(jTextField3,
javax.swing.GroupLayout.Alignment.TRAILING, javax.swing.GroupLayout.PREFERRED_SIZE,
120, javax.swing.GroupLayout.PREFERRED_SIZE)
    .addComponent(jTextField4,
javax.swing.GroupLayout.Alignment.TRAILING, javax.swing.GroupLayout.PREFERRED_SIZE,
120, javax.swing.GroupLayout.PREFERRED_SIZE)))
    .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
jPanel1Layout.createSequentialGroup()
    .addComponent(jLabel2)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
    .addComponent(jTextField2, javax.swing.GroupLayout.PREFERRED_SIZE,
120, javax.swing.GroupLayout.PREFERRED_SIZE))
    .addGroup(jPanel1Layout.createSequentialGroup()
    .addComponent(jLabel1)
    .addGap(18, 18, 18)
    .addComponent(jTextField1, javax.swing.GroupLayout.PREFERRED_SIZE,
120, javax.swing.GroupLayout.PREFERRED_SIZE)))
    .addGroup(jPanel1Layout.createSequentialGroup()
    .addGap(83, 83, 83)
    .addComponent(jButton2)))
    .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED,
javax.swing.GroupLayout.DEFAULT_SIZE, 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.LEADING,
false)
    .addComponent(jButton3, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
    .addComponent(jButton1, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))

```

```

        .addGap(129, 129, 129))
        .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
jPanel1Layout.createSequentialGroup()
        .addComponent(jLabel4)
        .addGap(18, 18, 18)
        .addComponent(jDateChooser1, javax.swing.GroupLayout.PREFERRED_SIZE,
120, javax.swing.GroupLayout.PREFERRED_SIZE)
        .addGap(115, 115, 115))))
    );
    jPanel1Layout.setVerticalGroup(
        jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel1Layout.createSequentialGroup()
            .addGap(21, 21, 21)
            .addComponent(jLabel5)
            .addGap(32, 32, 32)

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

                    .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
                        .addComponent(jLabel1)
                        .addComponent(jTextField1, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
                        .addComponent(jButton1))
                    .addGap(47, 47, 47)

                    .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING)
                        .addComponent(jLabel2)
                        .addComponent(jTextField2, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))

                    .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                        .addGroup(jPanel1Layout.createSequentialGroup()
                            .addGap(58, 58, 58)

                            .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
                                .addComponent(jLabel3)
                                .addComponent(jTextField3,
javax.swing.GroupLayout.PREFERRED_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)))
                        .addGroup(jPanel1Layout.createSequentialGroup()
                            .addGap(86, 86, 86)
                            .addComponent(jLabel4))))
                )
            )
        )
    );

```

```

        .addComponent(jDateChooser1, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))
        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED, 53,
Short.MAX_VALUE)

    .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
        .addComponent(jLabel6)
        .addComponent(jTextField4, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))
        .addGap(112, 112, 112)

    .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
        .addComponent(jButton3)
        .addComponent(jButton2))
        .addGap(75, 75, 75)
    );

    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)
    );

    setSize(new java.awt.Dimension(814, 645));
    setLocationRelativeTo(null);
} // </editor-fold>

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

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

```

```

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

private void jButton1ActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
    String sql="select * from Pending where Name=?";
    try {
        pst = conn.prepareStatement(sql);
        pst.setString(1, jTextField1.getText());
        rs = pst.executeQuery();
        if (rs.next()){
            String add1 = rs.getString("Name");
            jTextField1.setText(add1);
            String add2 = rs.getString("Subject");
            jTextField2.setText(add2);
            String add3 = rs.getString("Deadline");
            jTextField3.setText(add3);
            String add4 = rs.getString("Importance");
            jTextField4.setText(add4);
        } else {
            JOptionPane.showMessageDialog(null,"Assignment Name Not Found");
        }
    } catch(Exception e) {
        JOptionPane.showMessageDialog(null,e);
    } finally {
        try {
        } catch (Exception e){
            JOptionPane.showMessageDialog(null,e);
        }
    }
}

private void jButton3ActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
    updateRecord();
    Delete();
}

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

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

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

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

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

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

```



```

private com.toedter.calendar.JDateChooser jDateChooser1;
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 jTextField1;
private javax.swing.JTextField jTextField2;
private javax.swing.JTextField jTextField3;
private javax.swing.JTextField jTextField4;
// End of variables declaration
}

```

Assignment_Progress.java

```

/**
 *
 * @author USER
 */
import java.sql.*;
import javax.swing.*;
public class Assignment_Progress extends javax.swing.JFrame {
    Connection conn;
    ResultSet rs;
    PreparedStatement pst;
    /**
     * Creates new form Assignment_Progress
     */
    public Assignment_Progress() {
        super("Assignment Progress");
        initComponents();
        conn = Connector.connectDB();
    }
    public void progress(){
        int i = 0;
        int n = 0;
        int Sum = 0;
        try{
            String sql="Select * from Pending";
            pst = conn.prepareStatement(sql);

```

```

        rs=pst.executeQuery();
        while (rs.next()) {
            i = Integer.parseInt(rs.getString("Importance"));
            n = i*10;
            Sum = Sum + n;
            jProgressBar1.setValue(Sum);
            jProgressBar1.setStringPainted(true);
        }
        //if (!rs.next()){
        //JOptionPane.showMessageDialog(null, "No Assignments to Report");
        //}
        rs.close();
        pst.close();
        conn.close();
    }
    catch (Exception e) {
        JOptionPane.showMessageDialog(null, "Status Already Updated!");
    } finally {
        try{
            rs.close();
            pst.close();
            conn.close();
        } catch(Exception e) {
            JOptionPane.showMessageDialog(null, e);
        }
    }
}
/**
 * This method is called from within the constructor to initialize the form.
 * WARNING: Do NOT modify this code. The content of this method is always
 * regenerated by the Form Editor.
 */
@SuppressWarnings("unchecked")
// <editor-fold defaultstate="collapsed" desc="Generated Code">
private void initComponents() {

    jPanel1 = new javax.swing.JPanel();
    jLabel1 = new javax.swing.JLabel();
    jLabel2 = new javax.swing.JLabel();
    jLabel3 = new javax.swing.JLabel();
    jButton1 = new javax.swing.JButton();
    jButton2 = new javax.swing.JButton();
    jProgressBar1 = new javax.swing.JProgressBar();

```

```

setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);

jPanel1.setBackground(new java.awt.Color(0, 0, 0));
jPanel1.setBorder(javax.swing.BorderFactory.createTitledBorder(new
javax.swing.border.LineBorder(new java.awt.Color(0, 255, 102), 5, true), "Assignment
Progress", javax.swing.border.TitledBorder.DEFAULT_JUSTIFICATION,
javax.swing.border.TitledBorder.DEFAULT_POSITION, new java.awt.Font("Arial", 1, 24), new
java.awt.Color(0, 255, 102))); // NOI18N

jLabel1.setFont(new java.awt.Font("Arial", 0, 12)); // NOI18N
jLabel1.setForeground(new java.awt.Color(255, 255, 255));
jLabel1.setText("Hurry!");

jLabel2.setFont(new java.awt.Font("Arial", 0, 12)); // NOI18N
jLabel2.setForeground(new java.awt.Color(255, 255, 255));
jLabel2.setText("You're All Good!");

jLabel3.setFont(new java.awt.Font("Arial", 0, 12)); // NOI18N
jLabel3.setForeground(new java.awt.Color(255, 255, 255));
jLabel3.setText("Start Getting Serious Now");

jButton1.setBackground(new java.awt.Color(0, 255, 51));
jButton1.setFont(new java.awt.Font("Arial", 0, 12)); // NOI18N
jButton1.setForeground(new java.awt.Color(255, 255, 255));
jButton1.setText("Update");
jButton1.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jButton1ActionPerformed(evt);
    }
});

jButton2.setBackground(new java.awt.Color(0, 255, 51));
jButton2.setFont(new java.awt.Font("Arial", 0, 12)); // NOI18N
jButton2.setForeground(new java.awt.Color(255, 255, 255));
jButton2.setText("Back to Home");
jButton2.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jButton2ActionPerformed(evt);
    }
});

jProgressBar1.setBackground(new java.awt.Color(255, 255, 255));
jProgressBar1.setForeground(new java.awt.Color(0, 255, 102));

```



```

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)
);

setSize(new java.awt.Dimension(814, 637));
setLocationRelativeTo(null);
} // </editor-fold>

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

private void jButton2ActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
    Homepage ob = new Homepage();
    ob.setVisible(true);
    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(Main.class).log(java.util.logging.Level.SEVERE, null, ex);
    } catch (InstantiationException ex) {
        java.util.logging.Logger.getLogger(Main.class).log(java.util.logging.Level.SEVERE, null, ex);
    } catch (IllegalAccessException ex) {
        java.util.logging.Logger.getLogger(Main.class).log(java.util.logging.Level.SEVERE, null, ex);
    }
}

```

```

    }
}
} catch (ClassNotFoundException ex) {

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

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

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

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

// Variables declaration - do not modify
private javax.swing.JButton jButton1;
private javax.swing.JButton jButton2;
private javax.swing.JLabel jLabel1;
private javax.swing.JLabel jLabel2;
private javax.swing.JLabel jLabel3;
private javax.swing.JPanel jPanel1;
private javax.swing.JProgressBar jProgressBar1;
// End of variables declaration
}

```

Deadline_Progress.java

```

/**
 *
 * @author USER
 */
import java.sql.*;
import java.time.*;
import java.time.format.DateTimeFormatter;
import javax.swing.*.*;

public class Deadline_Progress extends javax.swing.JFrame {
    Connection conn;
    ResultSet rs;
    PreparedStatement pst;
    /**
     * Creates new form Deadline_Progress
     */
    public Deadline_Progress() {
        super("Deadline Progress");
        initComponents();
        conn = Connector.connectDB();
    }
    public void dateProgress(){
        int N = 0;
        String date;
        String dateSub;
        int dateInt;
        String now =
Instant.now().atZone(ZoneOffset.UTC).format(DateTimeFormatter.ISO_LOCAL_DATE);
        String nowSub = now.substring(0,4) + now.substring(5,7) + now.substring(8);
        int nowInt = Integer.parseInt(nowSub);
        try{
            String sql="Select * from Pending";
            pst = conn.prepareStatement(sql);
            rs=pst.executeQuery();
            while (rs.next()) {
                date = rs.getString(3);
                dateSub = date.substring(0,4) + date.substring(5,7) + date.substring(8);
                dateInt = Integer.parseInt(dateSub);
                if ((dateInt - nowInt) >= 14) {
                    N = N+10;
                } else if ((dateInt - nowInt) >= 7 && (dateInt - nowInt) < 14) {

```

```

        N = N+20;
    } else if ((dateInt - nowInt) >= 2 && (dateInt - nowInt) < 7) {
        N = N+80;
    } else {
        N = N+100;
    }
    if (N>100){
        N = 100;
    }
    jProgressBar1.setValue(N);
    jProgressBar1.setStringPainted(true);
}
}
catch (Exception e) {
    JOptionPane.showMessageDialog(null, "Status Already Updated!");
} finally {
    try{
        rs.close();
        pst.close();
        conn.close();
    } catch (Exception e) {
        JOptionPane.showMessageDialog(null, e);
    }
}
}
/**
 * This method is called from within the constructor to initialize the form.
 * WARNING: Do NOT modify this code. The content of this method is always
 * regenerated by the Form Editor.
 */
@SuppressWarnings("unchecked")
// <editor-fold defaultstate="collapsed" desc="Generated Code">
private void initComponents() {

    jPanel1 = new javax.swing.JPanel();
    jProgressBar1 = new javax.swing.JProgressBar();
    jLabel1 = new javax.swing.JLabel();
    jLabel2 = new javax.swing.JLabel();
    jLabel3 = new javax.swing.JLabel();
    jButton1 = new javax.swing.JButton();
    jButton2 = new javax.swing.JButton();

    setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);

```



```

jPanel1.setBackground(new java.awt.Color(0, 0, 0));
jPanel1.setBorder(javax.swing.BorderFactory.createTitledBorder(new
javax.swing.border.LineBorder(new java.awt.Color(0, 153, 153), 5, true), "Deadline Progress",
javax.swing.border.TitledBorder.DEFAULT_JUSTIFICATION,
javax.swing.border.TitledBorder.DEFAULT_POSITION, new java.awt.Font("Arial", 1, 24), new
java.awt.Color(0, 204, 204))); // NOI18N

```

```

jProgressBar1.setBackground(new java.awt.Color(255, 255, 255));
jProgressBar1.setForeground(new java.awt.Color(0, 204, 204));
jProgressBar1.setOpaque(true);

```

```

jLabel1.setFont(new java.awt.Font("Arial", 0, 12)); // NOI18N
jLabel1.setForeground(new java.awt.Color(255, 255, 255));
jLabel1.setText("You Can Relax");

```

```

jLabel2.setFont(new java.awt.Font("Arial", 0, 12)); // NOI18N
jLabel2.setForeground(new java.awt.Color(255, 255, 255));
jLabel2.setText("Start Working Now");

```

```

jLabel3.setFont(new java.awt.Font("Arial", 0, 12)); // NOI18N
jLabel3.setForeground(new java.awt.Color(255, 255, 255));
jLabel3.setText("Abandon Everything Else!");

```

```

jButton1.setBackground(new java.awt.Color(0, 153, 153));
jButton1.setFont(new java.awt.Font("Arial", 0, 12)); // NOI18N
jButton1.setText("Update");
jButton1.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jButton1ActionPerformed(evt);
    }
});

```

```

jButton2.setBackground(new java.awt.Color(0, 153, 153));
jButton2.setFont(new java.awt.Font("Arial", 0, 12)); // NOI18N
jButton2.setText("Back to Home");
jButton2.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jButton2ActionPerformed(evt);
    }
});

```

```

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

```

```

jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addGroup(jPanel1Layout.createSequentialGroup()
        .addContainerGap(45, Short.MAX_VALUE)

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING)
    .addComponent(jButton1)

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addComponent(jButton2)

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING,
false)
    .addGroup(jPanel1Layout.createSequentialGroup()
        .addComponent(jLabel1)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
        .addComponent(jLabel2)
        .addGap(176, 176, 176)
        .addComponent(jLabel3))
        .addComponent(jProgressBar1,
javax.swing.GroupLayout.PREFERRED_SIZE, 700,
javax.swing.GroupLayout.PREFERRED_SIZE))))
        .addGap(37, 37, 37))
);
jPanel1Layout.setVerticalGroup(
jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addGroup(jPanel1Layout.createSequentialGroup()
        .addGap(176, 176, 176)

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
    .addComponent(jLabel1)
    .addComponent(jLabel2)
    .addComponent(jLabel3))
    .addGap(18, 18, 18)
    .addComponent(jProgressBar1, javax.swing.GroupLayout.PREFERRED_SIZE, 90,
javax.swing.GroupLayout.PREFERRED_SIZE)
    .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
    .addComponent(jButton1)
    .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED, 136,
Short.MAX_VALUE)
    .addComponent(jButton2)
    .addGap(64, 64, 64))
);

```

```

        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)
        );

        setSize(new java.awt.Dimension(814, 637));
        setLocationRelativeTo(null);
    } // </editor-fold>

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

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

    /**
     * @param args the command line arguments
     */
    public static void main(String args[]) {
        //String now =
        Instant.now().atZone(ZoneOffset.UTC).format(DateTimeFormatter.ISO_LOCAL_DATE);
        /* 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(Deadline_Progress.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
    } catch (InstantiationException ex) {

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

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

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

// Variables declaration - do not modify
private javax.swing.JButton jButton1;
private javax.swing.JButton jButton2;
private javax.swing.JLabel jLabel1;
private javax.swing.JLabel jLabel2;
private javax.swing.JLabel jLabel3;
private javax.swing.JPanel jPanel1;
private javax.swing.JProgressBar jProgressBar1;
// End of variables declaration
}

```