

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

```
/* CS 532 - Project 2 (Spring 2018)
```

```
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```

```
 * 2. Vinen Furtado
```

```
 */
```

```
package minipods;
```

```
import java.awt.HeadlessException;
```

```
import java.sql.Connection;
```

```
import java.sql.SQLException;
```

```
import java.util.logging.Level;
```

```
import java.util.logging.Logger;
```

```
import oracle.jdbc.pool.OracleDataSource;
```

```
/**
```

```
 *
```

```
 * @author shree
```

```
 */
```

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

```
    /**
```

```
     * Creates new form Login
```

```
    */
```

```
    public String user;
```

```
    public String pass;
```

```
    Connection conn;
```

```
    public Login() {
```

```
        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() { // @@ autogenerated GUI code has been removed to reduce code size in the hard copy }

</editor-fold>

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

    if (T_Username.getText().equals("")) {
        L_Error_Login.setText("Please enter username!");
        L_Error_Login.setVisible(true);
    } else {

        // @@ - perform login operation
        try {

            this.user = T_Username.getText();
            this.pass = new String(T_Password.getPassword());

            // @@ - connect to DB
            OracleDataSource ds = new oracle.jdbc.pool.OracleDataSource();
            //ds.setURL("jdbc:oracle:thin:@localhost:1521:orcl");
            //Connection conn = ds.getConnection("shree", "shree");
            ds.setURL("jdbc:oracle:thin:@castor.cc.binghamton.edu:1521:ACAD111");
            conn = ds.getConnection(user, pass);

            // @@ - login successful, move to Home screen
            if (!conn.isClosed()) {
                setVisible(false);
                new Home(user, pass).setVisible(true);
            }

            conn.close();

        } catch (SQLException ex) {
            // @@ - show errors on Login Window
            L_Error_Login.setText(ex.toString());
            L_Error_Login.setVisible(true);

            // @shree - handling too many session error by killing conn
            try {
                conn.close();
            } catch (SQLException ex1) {
```

```
        Logger.getLogger(Login.class.getName()).log(Level.FINE, null, ex1);
    }

    } catch (HeadlessException | NumberFormatException e) {
        // @@ - show errors on Login Window
        L_Error_Login.setText(e.toString());
        L_Error_Login.setVisible(true);

        // @shree - handling too many session error by killing conn
        try {
            conn.close();
        } catch (SQLException ex1) {
            Logger.getLogger(Login.class.getName()).log(Level.FINE, null, ex1);
        }
    }
}

private void B_Cancel_LoginActionPerformed(java.awt.event.ActionEvent evt) {
    System.exit(0);
}

private void formComponentShown(java.awt.event.ComponentEvent evt) {

    // @@ - resetting the login window
    T_Username.setText("");
    T_Password.setText("");
    L_Error_Login.setVisible(false);

}

private void T_UsernameFocusGained(java.awt.event.FocusEvent evt) {

    // @@ - resetting the login window
    L_Error_Login.setVisible(false);
}

private void T_PasswordFocusGained(java.awt.event.FocusEvent evt) {

    // @@ - resetting the login window, clearing the previous password
    T_Password.setText("");
    L_Error_Login.setVisible(false);
}
```

```

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

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

// Variables declaration - do not modify
private javax.swing.JButton B_Cancel_Login;
private javax.swing.JButton B_Login_Login;
private javax.swing.JLabel L_Error_Login;
private javax.swing.JPanel P_Login;
private javax.swing.JPasswordField T_Password;
private javax.swing.JTextField T.Username;

```

```
private javax.swing.JLabel jLabel1;  
private javax.swing.JLabel jLabel2;  
private javax.swing.JLabel jLabel6;  
private javax.swing.JLabel jLabel7;  
private javax.swing.JSeparator jSeparator3;  
private javax.swing.JSeparator jSeparator4;  
// End of variables declaration  
}
```