

Nirma University



Social Network database System

[As a Part of Database Management System]

Course Code-CSI0503

Assignment no:- 3

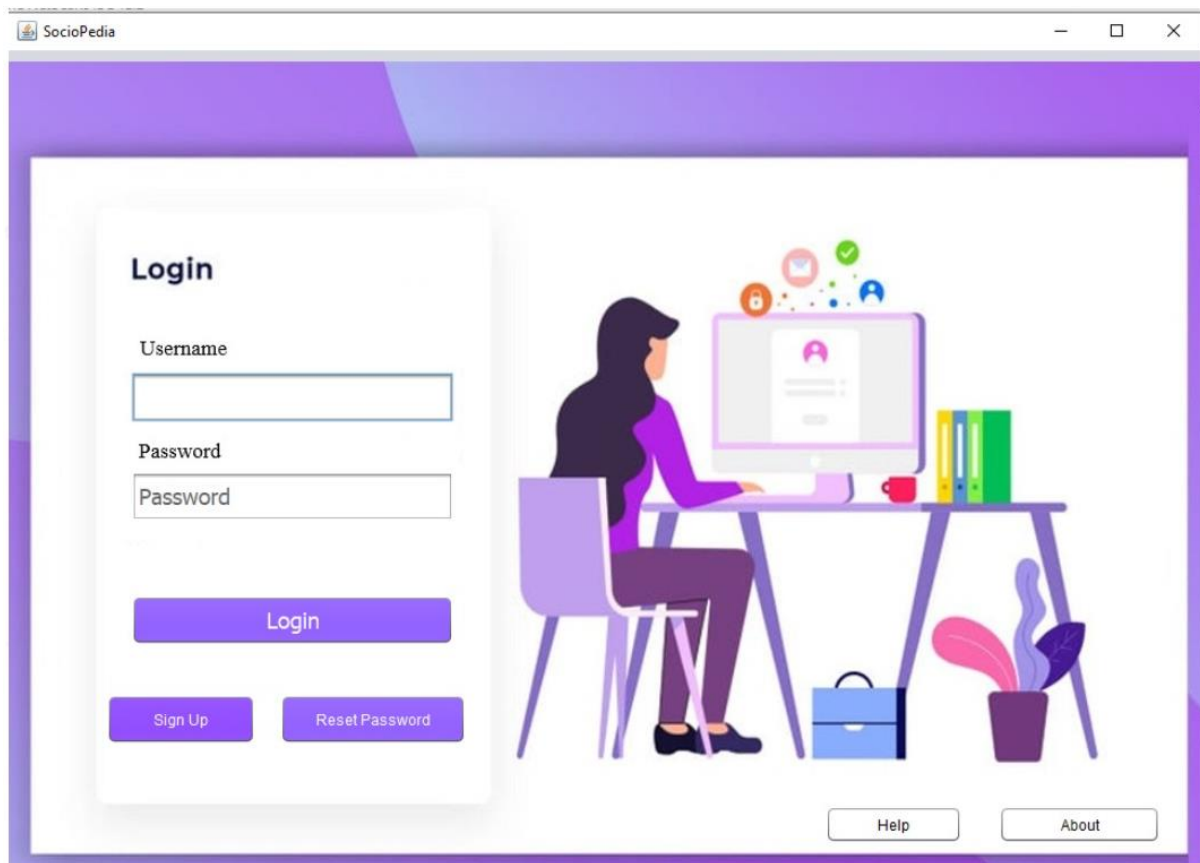
Submitted By:
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Application Development

Application Name :- Sociopedia

Snapshots of Output :-

Login Page(empty and Filled)



Login

Username
yash123

Password
•••••

Login

Sign Up Reset Password

Help About

Sign Up Page (empty And filled)

Sign Up

Name:

Email:

DOB:

Phone No.

Username:

Password :-

Accept T&C: ☐

Sign Up

Back to Login

Sign Up

Name:

Email:

DOB:

Phone No.

Username:

Password :-

Accept T&C: ☒

[Sign Up](#)

[Back to Login](#)

Note:- As Of Now we have Prepared only login Page and Sign up page due to time Constraint and the work for Home page And chat window is going on and we will finish it as soon as possible for the Completion of our Application.

Code:-

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

import java.awt.HeadlessException;
import java.sql.DriverManager;
import java.sql.ResultSet;
import java.sql.SQLException;
import java.sql.Statement;
import javax.swing.JOptionPane;

public class Login extends javax.swing.JFrame {
    private java.sql.Connection x= null;
    private Statement y=null;
    private ResultSet z=null;
    /**
     * Creates new form Login
     */
    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() {
```

```
    jButton1 = new javax.swing.JButton();
    jButton2 = new javax.swing.JButton();
    jButton3 = new javax.swing.JButton();
    jButton4 = new javax.swing.JButton();
    jButton5 = new javax.swing.JButton();
    jTextField1 = new javax.swing.JTextField();
    jPasswordField1 = new javax.swing.JPasswordField();
    jLabel2 = new javax.swing.JLabel();
```

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

```
    setTitle("SocioPedia");
```

```
    setPreferredSize(new java.awt.Dimension(980, 700));
```

```
    getContentPane().setLayout(null);
```

```
    jButton1.setBackground(new java.awt.Color(255, 255, 255));
```

```
    jButton1.setText("Help");
```

```
    jButton1.setOpaque(false);
```

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

```
        public void
actionPerformed(java.awt.event.ActionEvent evt) {
            jButton1ActionPerformed(evt);
        }
    });
    getContentPane().add(jButton1);
    jButton1.setBounds(660, 610, 110, 30);

    jButton2.setBackground(new java.awt.Color(255, 255,
255));
    jButton2.setText("About");
    jButton2.setOpaque(false);
    jButton2.addActionListener(new
java.awt.event.ActionListener() {
        public void
actionPerformed(java.awt.event.ActionEvent evt) {
            jButton2ActionPerformed(evt);
        }
    });
    getContentPane().add(jButton2);
    jButton2.setBounds(800, 610, 130, 30);

    jButton3.setBackground(new java.awt.Color(136, 61,
255));
    jButton3.setForeground(new java.awt.Color(255, 255,
255));
    jButton3.setText("Sign Up");
    jButton3.setOpaque(false);
    jButton3.addActionListener(new
java.awt.event.ActionListener() {
        public void
actionPerformed(java.awt.event.ActionEvent evt) {
            jButton3ActionPerformed(evt);
```

```
        }
    });
    getContentPane().add(jButton3);
    jButton3.setBounds(80, 520, 120, 40);

    jButton4.setBackground(new java.awt.Color(136, 81,
255));
    jButton4.setFont(new java.awt.Font("Tahoma", 0, 18)); //
NOI18N
    jButton4.setForeground(new java.awt.Color(255, 255,
255));
    jButton4.setText("Login");
    jButton4.setOpaque(false);
    jButton4.addActionListener(new
java.awt.event.ActionListener() {
        public void
actionPerformed(java.awt.event.ActionEvent evt) {
            jButton4ActionPerformed(evt);
        }
    });
    getContentPane().add(jButton4);
    jButton4.setBounds(100, 440, 260, 40);

    jButton5.setBackground(new java.awt.Color(136, 81,
255));
    jButton5.setForeground(new java.awt.Color(255, 255,
255));
    jButton5.setText("Reset Password");
    jButton5.setOpaque(false);
    jButton5.addActionListener(new
java.awt.event.ActionListener() {
        public void
actionPerformed(java.awt.event.ActionEvent evt) {
```



```
        jButton5ActionPerformed(evt);
    }
});
getContentPane().add(jButton5);
jButton5.setBounds(220, 520, 150, 40);

jTextField1.setFont(new java.awt.Font("Tahoma", 0,
18)); // NOI18N
jTextField1.setForeground(new java.awt.Color(102, 102,
102));
jTextField1.setText("User Name");
jTextField1.addFocusListener(new
java.awt.event.FocusAdapter() {
    public void focusGained(java.awt.event.FocusEvent
evt) {
        jTextField1FocusGained(evt);
    }
    public void focusLost(java.awt.event.FocusEvent evt)
{
        jTextField1FocusLost(evt);
    }
});
getContentPane().add(jTextField1);
jTextField1.setBounds(100, 260, 260, 40);

jPasswordField1.setFont(new java.awt.Font("Tahoma",
0, 18)); // NOI18N
jPasswordField1.setForeground(new java.awt.Color(102,
102, 102));
jPasswordField1.setText("Password");
jPasswordField1.setEchoChar('\u0000');
jPasswordField1.addFocusListener(new
java.awt.event.FocusAdapter() {
```

```
        public void focusGained(java.awt.event.FocusEvent
evt) {
            jPasswordField1FocusGained(evt);
        }
        public void focusLost(java.awt.event.FocusEvent evt)
{
            jPasswordField1FocusLost(evt);
        }
    });
    getContentPane().add(jPasswordField1);
    jPasswordField1.setBounds(100, 340, 260, 40);
```

```
        jLabel2.setIcon(new
javax.swing.ImageIcon("C:\\Users\\YUDHVIR\\Downloads\\
WhatsApp Image 2022-02-01 at 10.49.00 PM.jpeg")); //
NOI18N
```

```
        jLabel2.setPreferredSize(new java.awt.Dimension(990,
690));
        getContentPane().add(jLabel2);
        jLabel2.setBounds(0, 0, 980, 680);
```

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

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

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

```
        this.setEnabled(false);
        new Pass_Reset().setVisible(true);
        // TODO add your handling code here:
    }
```

```
    private void
    jButton1ActionPerformed(java.awt.event.ActionEvent evt) {
        this.setEnabled(false);
        new Help(this).setVisible(true); // TODO add your
        handling code here:
    }
```

```
    private void
    jButton2ActionPerformed(java.awt.event.ActionEvent evt) {
        this.setEnabled(false);
        new About(this).setVisible(true); // TODO add your
        handling code here:
    }
```

```
    private void
    jPasswordField1FocusGained(java.awt.event.FocusEvent evt)
    {
        String a=new String(jPasswordField1.getPassword());
        if(a.equals("Password"))
        { jPasswordField1.setEchoChar("\u25cf");
          jPasswordField1.setText("");
        }
        // TODO add your handling code here:
    }
```

```
    private void
    jPasswordField1FocusLost(java.awt.event.FocusEvent evt) {
        String a=new String(jPasswordField1.getPassword());
```

```
        if(a.equals(""))
        { jPasswordField1.setEchoChar('\u0000');
          jPasswordField1.setText("Password");
        }
        // TODO add your handling code here:
    }

    private void
jTextField1FocusGained(java.awt.event.FocusEvent evt) {
    String a =jTextField1.getText();
    if(a.equals("User Name"))
        jTextField1.setText(""); // TODO add your handling
code here:
    }

    private void
jTextField1FocusLost(java.awt.event.FocusEvent evt) {
    String a =jTextField1.getText();
    if(a.equals(""))
        jTextField1.setText("User Name"); // TODO add your
handling code here:
    }

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

        String id =jTextField1.getText();
        String pwd=new String(jPasswordField1.getPassword());
        String pass;
        if(id.equals("")|| pwd.equals("")||id.equals("User Name")||
pwd.equals("Password")){
            JOptionPane.showMessageDialog(null,"Enter user ID
and Password");
        }
    }
}
```

```
    }
    else{ try {
        DriverManager.registerDriver(new
oracle.jdbc.driver.OracleDriver ());
        x =
DriverManager.getConnection("jdbc:oracle:thin:@localhost:1
521:stu","bot","yash");
        y = x.createStatement();
        String Q = "select PASSWORD from SP_USER
where User_Name='"+id+"'";
        z = y.executeQuery(Q);
        if (z.next()) {
            pass= z.getString(1);
            if (pwd.equals(pass)){
                JOptionPane.showMessageDialog(null,"Login
Succesfull!!");
                this.setVisible(false);
                new Home().setVisible(true);
            }
            else{
                JOptionPane.showMessageDialog(null,"Invalid
Password!!");
            }
        }
    }
    else {
        JOptionPane.showMessageDialog(null, "No such
User_Name found!\nFor new ID Please Sign up!"); }
    }
    catch (HeadlessException | SQLException K)
    { JOptionPane.showMessageDialog(null,
K.getMessage());
    }
```

```
    }

    // TODO add your handling code here:
}

/**
 * @param args the command line arguments
 */
public static void main(String args[]) {
    /* Set the Nimbus look and feel */
    //<editor-fold defaultstate="collapsed" desc=" Look and
feel setting code (optional) ">
    /* If Nimbus (introduced in Java SE 6) is not available,
stay with the default look and feel.
    * For details see
http://download.oracle.com/javase/tutorial/uiswing/lookandfe
el/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()).lo
g(java.util.logging.Level.SEVERE, null, ex);
```

```
        } catch (InstantiationException ex) {

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

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

java.util.logging.Logger.getLogger(Login.class.getName()).lo
g(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 jButton1;
private javax.swing.JButton jButton2;
private javax.swing.JButton jButton3;
private javax.swing.JButton jButton4;
private javax.swing.JButton jButton5;
private javax.swing.JLabel jLabel2;
private javax.swing.JPasswordField jPasswordField1;
private javax.swing.JTextField jTextField1;
```

```
// End of variables declaration
}

/*
 * To change this license header, choose License Headers in
Project Properties.
 * To change this template file, choose Tools | Templates
 * and open the template in the editor.
 */
package sociopedia;
public class SignUp extends javax.swing.JFrame {

    /**
     * Creates new form SignUp
     */
    public SignUp() {
        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() {
```



```
jTextField1 = new javax.swing.JTextField();
jTextField2 = new javax.swing.JTextField();
jTextField3 = new javax.swing.JTextField();
jTextField4 = new javax.swing.JTextField();
jTextField5 = new javax.swing.JTextField();
jComboBox1 = new javax.swing.JComboBox<>();
jComboBox2 = new javax.swing.JComboBox<>();
jComboBox3 = new javax.swing.JComboBox<>();
jButton1 = new javax.swing.JButton();
jButton2 = new javax.swing.JButton();
jCheckBox1 = new javax.swing.JCheckBox();
jLabel2 = new javax.swing.JLabel();
```

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

```
setTitle("SocioPedia");
setPreferredSize(new java.awt.Dimension(980, 700));
getContentPane().setLayout(null);
```

```
jTextField1.setFont(new java.awt.Font("Tahoma", 0, 18)); // NOI18N
```

```
getContentPane().add(jTextField1);
jTextField1.setBounds(250, 160, 300, 35);
```

```
jTextField2.setFont(new java.awt.Font("Tahoma", 0, 18)); // NOI18N
```

```
getContentPane().add(jTextField2);
jTextField2.setBounds(250, 210, 300, 35);
```

```
jTextField3.setFont(new java.awt.Font("Tahoma", 0, 18)); // NOI18N
```

```
getContentPane().add(jTextField3);
```

```
    jTextField3.setBounds(250, 310, 300, 35);
```

```
    jTextField4.setFont(new java.awt.Font("Tahoma", 0,
18)); // NOI18N
    getContentPane().add(jTextField4);
    jTextField4.setBounds(250, 410, 300, 35);
```

```
    jTextField5.setFont(new java.awt.Font("Tahoma", 0,
18)); // NOI18N
    getContentPane().add(jTextField5);
    jTextField5.setBounds(250, 360, 300, 35);
```

```
    jComboBox1.setBackground(new java.awt.Color(138,
61, 255));
    jComboBox1.setModel(new
javax.swing.DefaultComboBoxModel<>(new String[] { "1",
"2", "3", "4", "5", "6", "7", "8", "9", "10", "11", "12", "13",
"14", "15", "16", "17", "18", "19", "20", "21", "22", "23",
"24", "25", "26", "27", "28", "29", "30", "31" }));
    getContentPane().add(jComboBox1);
    jComboBox1.setBounds(250, 260, 60, 30);
```

```
    jComboBox2.setBackground(new java.awt.Color(138,
61, 255));
    jComboBox2.setModel(new
javax.swing.DefaultComboBoxModel<>(new String[] { "1",
"2", "3", "4", "5", "6", "7", "8", "9", "10", "11", "12" }));
    getContentPane().add(jComboBox2);
    jComboBox2.setBounds(317, 260, 60, 30);
```

```
    jComboBox3.setBackground(new java.awt.Color(138,
61, 255));
```

```
jComboBox3.setModel(new  
javax.swing.DefaultComboBoxModel<>(new String[] {  
"1990", "1991", "1992", "1993", "1994", "1995", "1996",  
"1997", "1998", "1999", "2000", "2001", "2002", "2003",  
"2004", "2005", "2006", "2007", "2008", "2009", "2010" }));  
getContentPane().add(jComboBox3);  
jComboBox3.setBounds(390, 260, 100, 30);
```

```
jButton1.setBackground(new java.awt.Color(136, 61,  
255));  
jButton1.setFont(new java.awt.Font("Tahoma", 0, 18)); // NOI18N  
jButton1.setForeground(new java.awt.Color(255, 255,  
255));  
jButton1.setText("Sign Up");  
getContentPane().add(jButton1);  
jButton1.setBounds(370, 480, 120, 31);
```

```
jButton2.setBackground(new java.awt.Color(138, 61,  
255));  
jButton2.setFont(new java.awt.Font("Tahoma", 0, 18)); // NOI18N  
jButton2.setForeground(new java.awt.Color(255, 255,  
255));  
jButton2.setText("Back to Login");  
getContentPane().add(jButton2);  
jButton2.setBounds(210, 550, 180, 31);
```

```
jCheckBox1.setFont(new java.awt.Font("Tahoma", 0,  
18)); // NOI18N  
getContentPane().add(jCheckBox1);  
jCheckBox1.setBounds(220, 470, 40, 40);
```

```
jLabel2.setFont(new java.awt.Font("Tahoma", 0, 18)); //
NOI18N
jLabel2.setIcon(new
javax.swing.ImageIcon("C:\\Users\\YUDHVIR\\Downloads\\
WhatsApp Image 2022-02-01 at 11.36.59 PM.jpeg")); //
NOI18N
jLabel2.setText("jLabel2");
jLabel2.setPreferredSize(new java.awt.Dimension(980,
700));
getContentPane().add(jLabel2);
jLabel2.setBounds(0, 10, 980, 680);

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

/**
 * @param args the command line arguments
 */
public static void main(String args[]) {
    /* Set the Nimbus look and feel */
    //<editor-fold defaultstate="collapsed" desc=" Look and
feel setting code (optional) ">
    /* If Nimbus (introduced in Java SE 6) is not available,
stay with the default look and feel.
    * For details see
http://download.oracle.com/javase/tutorial/uiswing/lookandfe
el/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()).l
og(java.util.logging.Level.SEVERE, null, ex);
    } catch (InstantiationException ex) {
```

```
java.util.logging.Logger.getLogger(SignUp.class.getName()).l
og(java.util.logging.Level.SEVERE, null, ex);
    } catch (IllegalAccessException ex) {
```

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

```
java.util.logging.Logger.getLogger(SignUp.class.getName()).l
og(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 jButton1;
private javax.swing.JButton jButton2;
private javax.swing.JCheckBox jCheckBox1;
private javax.swing.JComboBox<String> jComboBox1;
private javax.swing.JComboBox<String> jComboBox2;
private javax.swing.JComboBox<String> jComboBox3;
private javax.swing.JLabel jLabel2;
private javax.swing.JTextField jTextField1;
private javax.swing.JTextField jTextField2;
private javax.swing.JTextField jTextField3;
private javax.swing.JTextField jTextField4;
private javax.swing.JTextField jTextField5;
// End of variables declaration
}
```

Tool For Creating Interface :- Java