

/ JAVA CODE FOR USER AUTHENTICATION USING JAVA SWINGS */*

AIM : The main Aim of this program is to create a user interface that takes username and password as input and checks whether the entered username and password is correct with the username and password present in the code/database using ("equals()" method of java)...

If the username and password match ,then it will take you to the next class file which contains some other part of the prototype, else it will show you the Error DialogBox with message " Incorrect username or password"...

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IDE : ECLIPSE FOR MACINTOSH

Checkout : www.rockzzweb.wordpress.com for more projects and source codes...

/ CODE FOR MAIN UI */*

```
import javax.swing.*;
import java.awt.*;
import java.awt.event.*;

class Login extends JFrame implements ActionListener
{
    /**
     *
     */
    private static final long serialVersionUID = 1L;
    JButton SUBMIT;
    JPanel panel;
    JLabel label0,label1,label2;
    final JTextField text1,text2;
    Login()
    {
        label0=new JLabel();
        label0.setText("GURU NANAK INSTITUTIONS");

        label1 = new JLabel();
        label1.setText("Username:");
        text1 = new JTextField(15);

        label2 = new JLabel();
```

```

label2.setText("Password:");
text2 = new JPasswordField(15);

SUBMIT=new JButton("SUBMIT");

panel=new JPanel(new FlowLayout());
panel.add(label0);
panel.add(label1);
panel.add(text1);
panel.add(label2);
panel.add(text2);
panel.add(SUBMIT);
add(panel, BorderLayout.CENTER);
SUBMIT.addActionListener(this);
setTitle("Guru Nanak Institutions");
}
public void actionPerformed(ActionEvent ae)
{
    String value1=text1.getText();
    String value2=text2.getText();
    if (value1.equals("gurunanak123") && value2.equals("gni@hyd")) {
        new NextPage();
        /* page.setVisible(true);
        JLabel label = new JLabel("Welcome:"+value1);
        page.getContentPane().add(label); */
    }
    else{
        System.out.println("enter the valid username and password");
        JOptionPane.showMessageDialog(this,"Incorrect login or password",
        "Error",JOptionPane.ERROR_MESSAGE);
    }
}
}
}
class LoginDemo
{
    public static void main(String arg[])
    {
        try
        {
            Login frame=new Login();
            frame.setSize(250,240);
            frame.setVisible(true);
            frame.setDefaultCloseOperation(JFrame.EXIT_ON_CLOSE);

```

```

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

```

/* CODE FOR NEXTPAGE() */

```

import java.awt.event.ActionEvent;
import java.awt.event.ActionListener;
import javax.swing.JButton;
import javax.swing.JFrame;
import javax.swing.JMenu;
import javax.swing.JMenuBar;
import javax.swing.JMenuItem;
import javax.swing.JSeparator;
import javax.swing.SwingConstants;

public class NextPage extends JFrame {

    /**
     *
     */
    private static final long serialVersionUID = 1L;
    JFrame f=new JFrame();
    public NextPage() {
        f.setVisible(true);
        f.setSize(700,400);
        setDefaultCloseOperation(JFrame.EXIT_ON_CLOSE);
    }
}

```

```
setBounds(100, 100, 604, 300);

JMenuBar menuBar = new JMenuBar();
setJMenuBar(menuBar);

JMenu mnAbout = new JMenu("About");
menuBar.add(mnAbout);

JMenuItem mntmAboutSoftware = new JMenuItem("About
Software");
mnAbout.add(mntmAboutSoftware);

JMenuItem mntmLogout = new JMenuItem("Logout");
menuBar.add(mntmLogout);
getContentPane().setLayout(null);

JButton btnAttendance = new JButton("Attendance");
btnAttendance.setBounds(34, 43, 123, 43);
getContentPane().add(btnAttendance);

JSeparator separator_2 = new JSeparator();
separator_2.setOrientation(SwingConstants.VERTICAL);
separator_2.setBounds(169, 43, 19, 43);
getContentPane().add(separator_2);

JButton btnResults = new JButton("Results");
btnResults.addActionListener(new ActionListener() {
    public void actionPerformed(ActionEvent e) {
    }
});
btnResults.setBounds(204, 43, 131, 43);
getContentPane().add(btnResults);

JButton btnFeeDetails = new JButton("Fee Details");
btnFeeDetails.setBounds(382, 43, 152, 43);
getContentPane().add(btnFeeDetails);

JSeparator separator_3 = new JSeparator();
separator_3.setOrientation(SwingConstants.VERTICAL);
separator_3.setBounds(347, 43, 20, 43);
getContentPane().add(separator_3);
```

```

JButton btnInterviews = new JButton("Interviews");
btnInterviews.addActionListener(new ActionListener() {
    public void actionPerformed(ActionEvent e) {
        // new welcome2();
    }
});
btnInterviews.setBounds(33, 98, 123, 37);
getContentPane().add(btnInterviews);

JSeparator separator_4 = new JSeparator();
separator_4.setOrientation(SwingConstants.VERTICAL);
separator_4.setBounds(169, 98, 13, 37);
getContentPane().add(separator_4);

JButton btnNews = new JButton("News");
btnNews.addActionListener(new ActionListener() {
    public void actionPerformed(ActionEvent e) {
    }
});
btnNews.setBounds(204, 98, 131, 37);
getContentPane().add(btnNews);

JSeparator separator = new JSeparator();
separator.setOrientation(SwingConstants.VERTICAL);
separator.setBounds(347, 98, 20, 37);
getContentPane().add(separator);

JButton btnAboutYou = new JButton("About You");
btnAboutYou.setBounds(379, 98, 155, 37);
getContentPane().add(btnAboutYou);

```

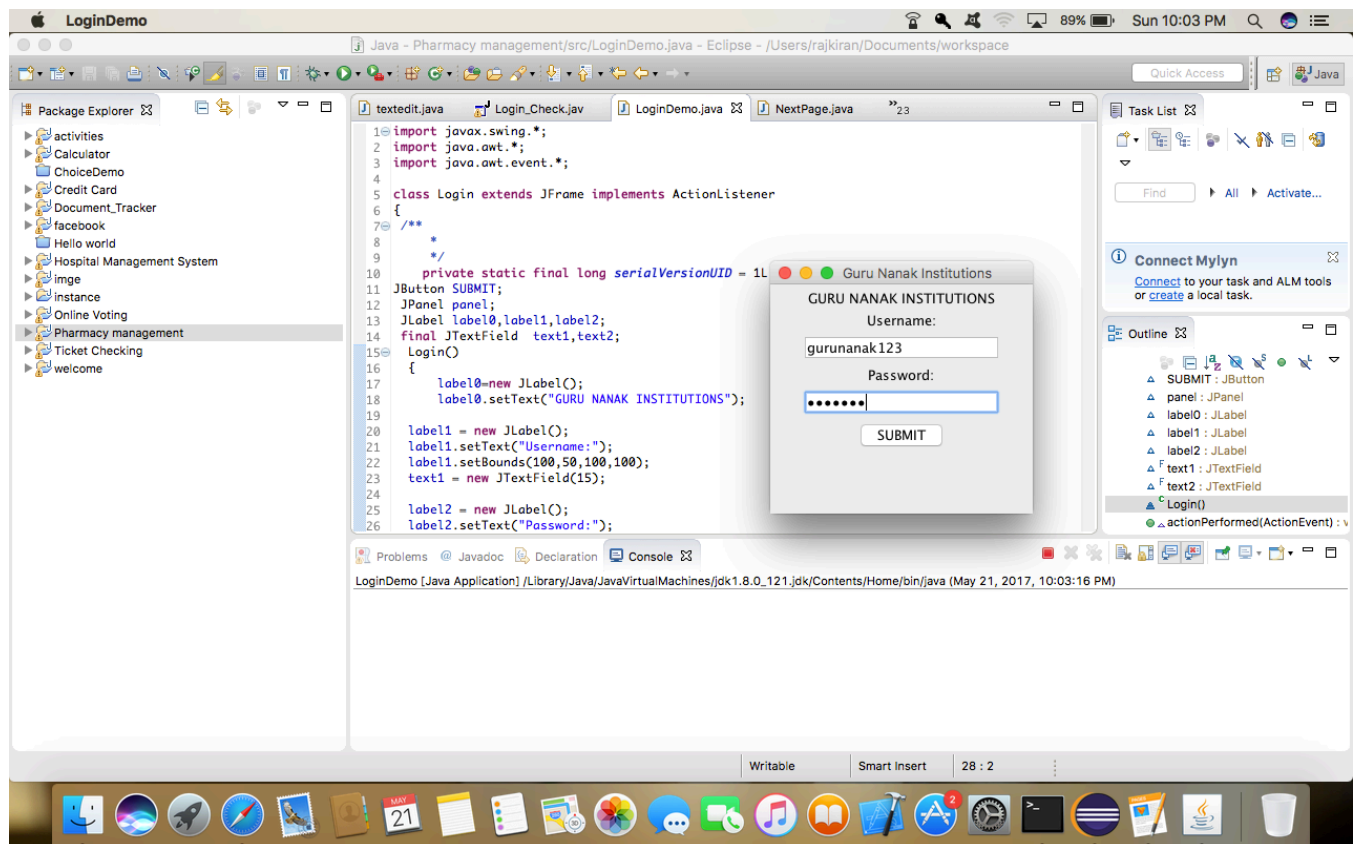
```

    }
}

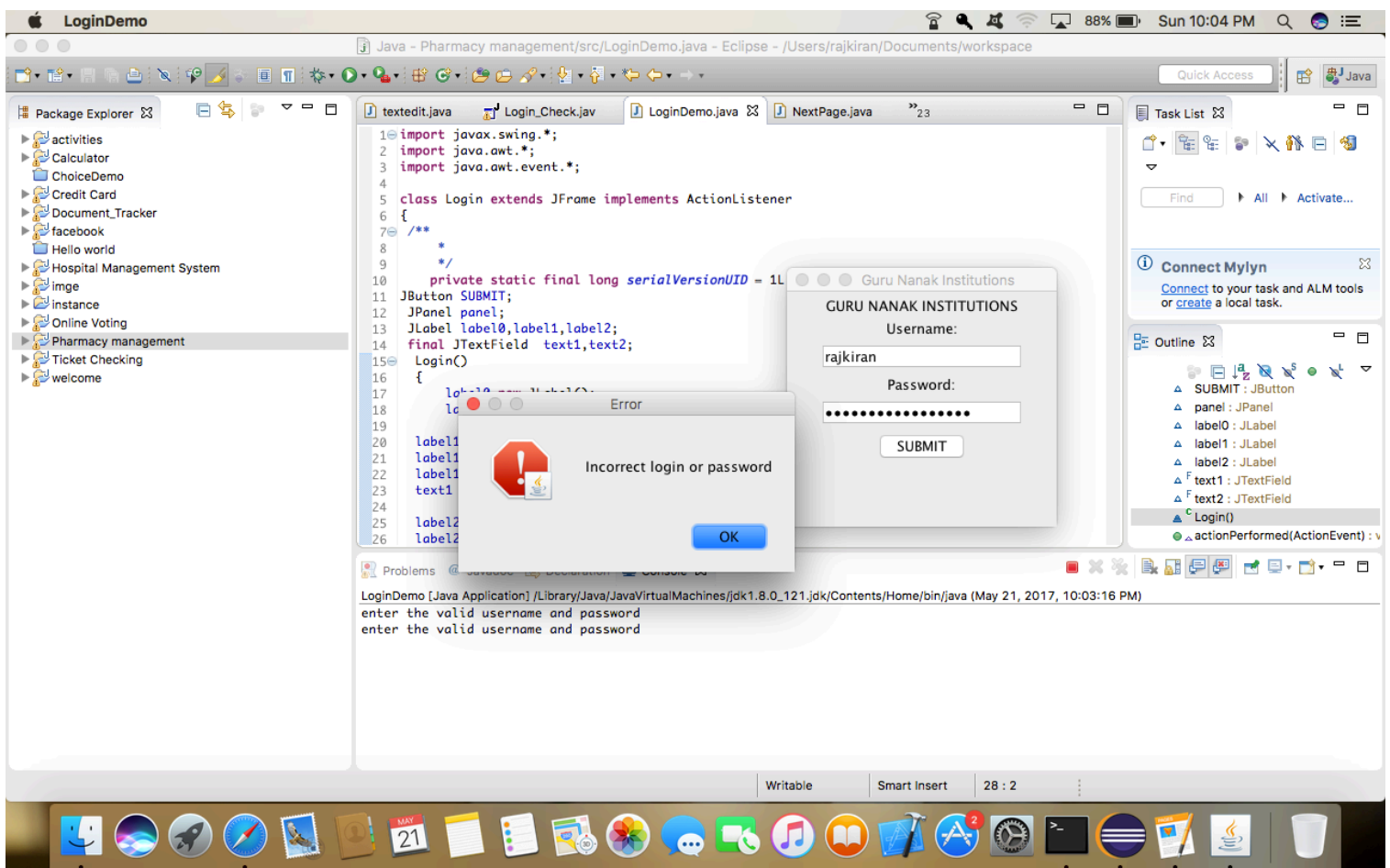
```

Project ScreenShots :

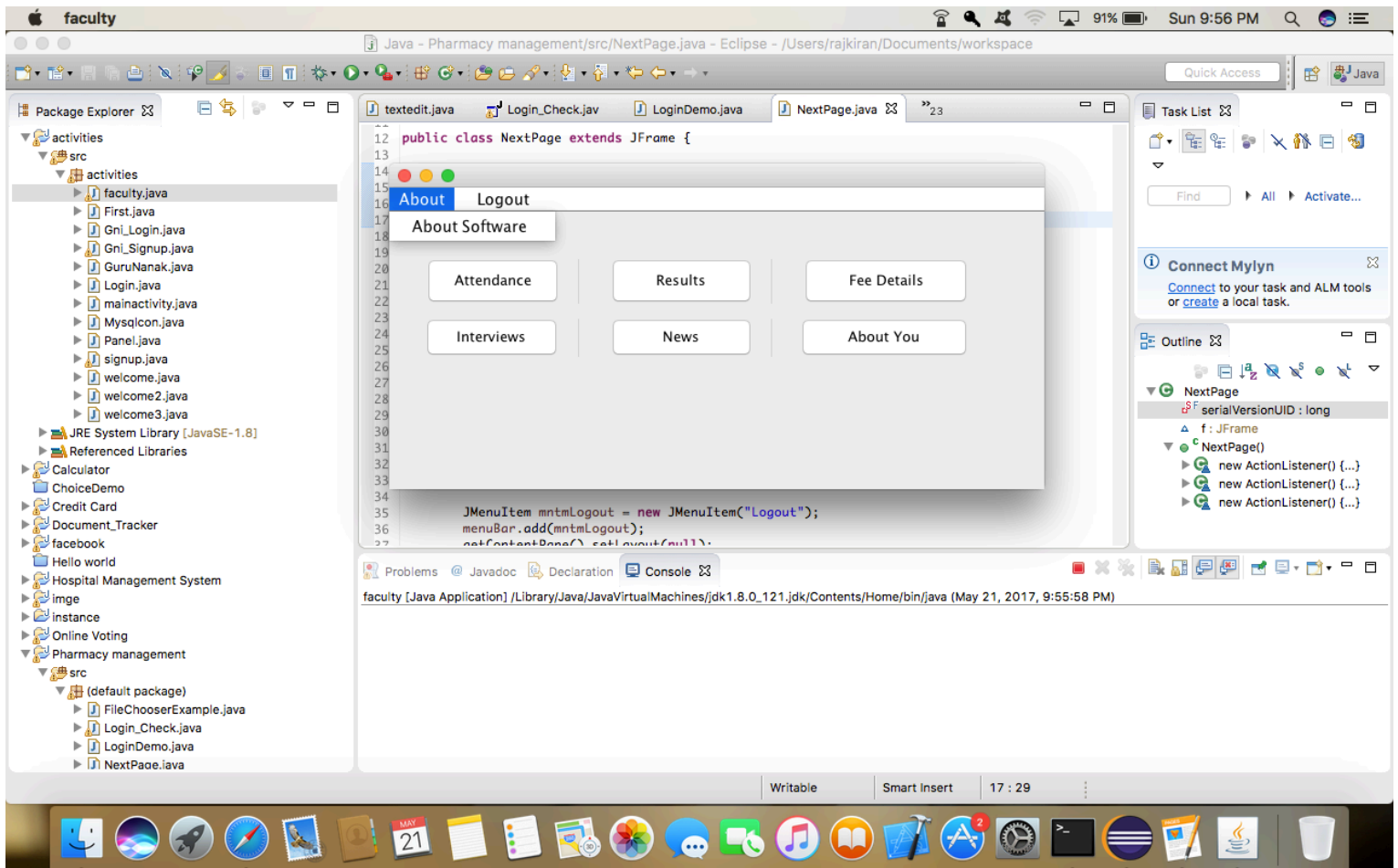
Login Page :



If username or Password incorrect :



if username and Password match, then next Scene :



THANK YOU :-)
-> RAJKIRAN