

TASK 3 Santhosh R

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import javax.swing.*;

import java.awt.*;

import java.awt.event.*;

public class SimpleLogin extends JFrame {

    JTextField txtUser;

    JPasswordField txtPass;

    JButton btnLogin, btnClear;


    public SimpleLogin() {

        setTitle("User Login");

        setSize(350, 250);

        setLocationRelativeTo(null);

        setDefaultCloseOperation(JFrame.EXIT_ON_CLOSE);


        JPanel panel = new JPanel();

        panel.setLayout(null);

        panel.setBackground(new Color(230, 245, 255));


        JLabel lblTitle = new JLabel("LOGIN FORM");

        lblTitle.setFont(new Font("Arial", Font.BOLD, 20));

        lblTitle.setBounds(110, 15, 200, 30);

        panel.add(lblTitle);


        JLabel lblUser = new JLabel("Username:");

        lblUser.setBounds(40, 70, 80, 25);
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panel.add(lblUser);

txtUser = new JTextField();

txtUser.setBounds(130, 70, 150, 25);

panel.add(txtUser);

JLabel lblPass = new JLabel("Password:");

lblPass.setBounds(40, 110, 80, 25);

panel.add(lblPass);

txtPass = new JPasswordField();

txtPass.setBounds(130, 110, 150, 25);

panel.add(txtPass);

btnLogin = new JButton("Login");

btnLogin.setBounds(60, 160, 90, 30);

panel.add(btnLogin);

btnClear = new JButton("Clear");

btnClear.setBounds(180, 160, 90, 30);

panel.add(btnClear);


// Login button action

btnLogin.addActionListener(e -> {

    String user = txtUser.getText();

    String pass = new String(txtPass.getPassword());

    if (user.equals("student") && pass.equals("login123")) {

        JOptionPane.showMessageDialog(this,

            "Login Successful!",

            "Success",

            JOptionPane.INFORMATION_MESSAGE);

    } else {
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JOptionPane.showMessageDialog(this,
    "Invalid Username or Password",
    "Error",
    JOptionPane.ERROR_MESSAGE);
}
});
// Clear button action
btnClear.addActionListener(e -> {
    txtUser.setText("");
    txtPass.setText("");
});
add(panel);
}
public static void main(String[] args) {
    new SimpleLogin().setVisible(true);
}
}

```

