

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);
}
}

```

