

Lab-9

Implement the concept of Swing in your domain.

```
import javax.swing.*;
import java.awt.event.*;
class MySwing extends JFrame {

    JLabel l1, l2, l3;

    JTextField usernameField;

    JPasswordField passwordField;

    JButton submitButton;

    MySwing(String s) {

        super(s);

    }

    public void setComponents() {

        l1 = new JLabel("Login Form");

        l2 = new JLabel("Username:");

        l3 = new JLabel("Password:");

        usernameField = new JTextField();

        passwordField = new JPasswordField();

        submitButton = new JButton("Submit");

        setContentPane(new JLabel(new ImageIcon("./discord.jpg")));

        setLayout(null);
```

```
l1.setBounds(120, 30, 200, 20);

l2.setBounds(50, 80, 100, 20);

usernameField.setBounds(150, 80, 100, 20);

l3.setBounds(50, 130, 100, 20);

passwordField.setBounds(150, 130, 100, 20);

submitButton.setBounds(80, 180, 100, 20);


submitButton.addActionListener(new Handler());
```

```
add(l1);

add(l2);

add(usernameField);

add(l3);

add(passwordField);

add(submitButton);

}
```

```
class Handler implements ActionListener {

    public void actionPerformed(ActionEvent e) {

        String username = usernameField.getText();

        char[] passwordChars = passwordField.getPassword();

        String password = new String(passwordChars);

        if (validateLogin(username, password)) {
```

```
JOptionPane.showMessageDialog(MySwing.this, "Login successful!");

} else {

JOptionPane.showMessageDialog(MySwing.this, "Invalid username or
password");

}

}

}

private boolean validateLogin(String username, String password) {

return "admin".equals(username) && "admin".equals(password);

}

public static void main(String args[]) {

MySwing jf = new MySwing("Login Form");

jf.setComponents();

jf.setSize(300, 300);

jf.setVisible(true);

jf.setDefaultCloseOperation(JFrame.EXIT_ON_CLOSE);

}

}
```