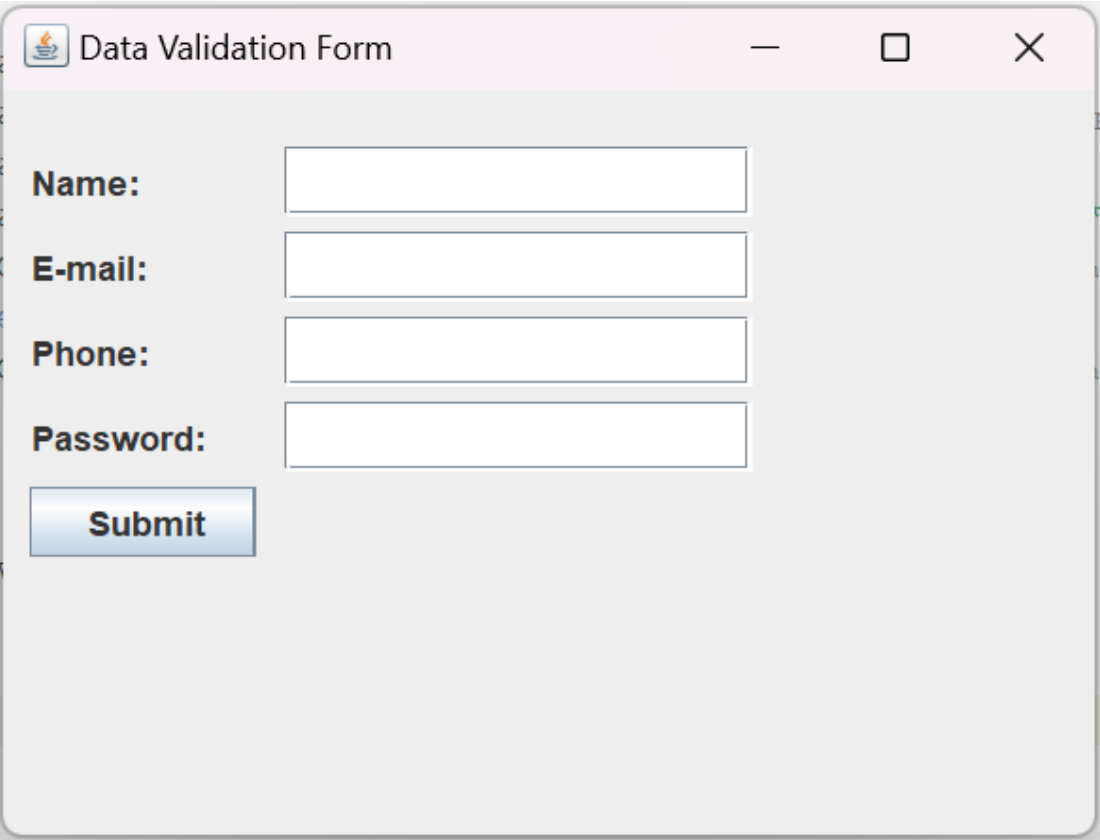


```

        if (name.length() >= 3 &&
            Pattern.matches(regex: "[A-Za-z0-9+_-]+@(.+)$", input: email) &&
            Pattern.matches(regex: "\\d{10}", input: phone) &&
            Pattern.matches(regex: "^(?=.*[a-z])(?=.*[A-Z])(?=.*\\d){8,}$", input: password)) {
            JOptionPane.showMessageDialog(parentComponent: panel, message: "Form submitted successfully!");
        } else {
            JOptionPane.showMessageDialog(parentComponent: panel, message: "Please input the correct format in the above fields",
        }
    });

    frame.setVisible(b: true);
}

```



**Data Validation Form**

**Name:**

**E-mail:**

**Phone:**

**Password:**

**Submit**

```

panel.add(comp: nameLabel);

JTextField nameText = new JTextField(columns:20);
nameText.setBounds(x: 100, y: 20, width: 165, height: 25);
panel.add(comp: nameText);
nameText.addKeyListener(new KeyAdapter() {
    public void keyReleased(KeyEvent e) {
        if (nameText.getText().length() < 3) {
            nameText.setToolTipText(text: "Name must be at least 3 characters long");
        } else {
            nameText.setToolTipText(text: null);
        }
    }
});

JLabel EmailLabel = new JLabel(text: "E-mail:");
EmailLabel.setBounds(x: 10, y: 50, width: 80, height: 25);
panel.add(comp: EmailLabel);

JTextField emailText = new JTextField(columns:20);
emailText.setBounds(x: 100, y: 50, width: 165, height: 25);
panel.add(comp: emailText);
emailText.addKeyListener(new KeyAdapter() {
    public void keyReleased(KeyEvent e) {
        if (!Pattern.matches(regex: "\\d{10}", input: emailText.getText())) {
            emailText.setToolTipText(text: "Email must be 10 digits long");
        } else {
            emailText.setToolTipText(text: null);
        }
    }
});

JLabel phoneLabel = new JLabel(text: "Phone:");
phoneLabel.setBounds(x: 10, y: 80, width: 80, height: 25);
panel.add(comp: phoneLabel);

JTextField phoneNumber = new JTextField(columns:20);
phoneNumber.setBounds(x: 100, y: 80, width: 165, height: 25);
panel.add(comp: phoneNumber);
phoneNumber.addKeyListener(new KeyAdapter() {
    public void keyReleased(KeyEvent e) {
        if (!Pattern.matches(regex: "\\d{10}", input: phoneNumber.getText())) {
            phoneNumber.setToolTipText(text: "Phone number must be 10 digits long");
        } else {
            phoneNumber.setToolTipText(text: null);
        }
    }
});

JLabel passwordLabel = new JLabel(text: "Password:");
passwordLabel.setBounds(x: 10, y: 110, width: 80, height: 25);
panel.add(comp: passwordLabel);

JPasswordField PassWordText = new JPasswordField(columns:20);

```

```

panel.add(comp: PassWordText);
PassWordText.addKeyListener(new KeyAdapter() {
    public void keyReleased(KeyEvent e) {
        String password = new String(value: PassWordText.getPassword());
        if (!Pattern.matches(regex: "^(?=.*[a-z])(?=.*[A-Z])(?=.*\\d){8,}$", input: password)) {
            PassWordText.setToolTipText(text: "Password must be at least 8 characters long and incl
        } else {
            PassWordText.setToolTipText(text: null);
        }
    }
});

JButton submitButton = new JButton(text: "Submit");
submitButton.setBounds(x: 10, y: 140, width: 80, height: 25);
panel.add(comp: submitButton);
submitButton.addActionListener(e -> {
    String name = nameText.getText();
    String email = emailText.getText();
    String phone = phoneNumber.getText();
    String password = new String(value: PassWordText.getPassword());

    if (name.length() >= 3 &&

```

```

import javax.swing.*;
import java.awt.event.KeyAdapter;
import java.awt.event.KeyEvent;
import java.util.regex.Pattern;

public class JavaApplication {

    /**
     * @param args the command line arguments
     */
    public static void main(String[] args) {

        JFrame frame = new JFrame(title: "Data Validation Form");
        frame.setDefaultCloseOperation(operation: JFrame.EXIT_ON_CLOSE);
        frame.setSize(width: 400, height: 300);

        JPanel panel = new JPanel();
        panel.setLayout(mgr: null);
        frame.add(comp: panel);

        JLabel nameLabel = new JLabel(text: "Name:");
        nameLabel.setBounds(x: 10, y: 20, width: 80, height: 25);

```