

JAVA SWING CODE DRAFT

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

public class PatientRegistrationForm extends JFrame {

    private JTextField firstNameField, lastNameField, ageField, emailField;
    private JTextArea messageArea;
    private JComboBox<String> patientTypeComboBox;
    private JRadioButton maleRadioButton, femaleRadioButton;
    private ButtonGroup genderGroup;
    private JButton submitButton, viewDetailsButton;
    private JPanel cardPanel;

    public PatientRegistrationForm() {
        setTitle("Patient Registration Form");
        setSize(500, 400);
        setDefaultCloseOperation(JFrame.EXIT_ON_CLOSE);

        createComponents();

        // CardLayout for switching between panels
        cardPanel = new JPanel(new CardLayout());
        cardPanel.add(createRegistrationPanel(), "registration");
        cardPanel.add(createDetailsPanel(), "details");
    }
}
```

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```
        add(cardPanel);

        setVisible(true);
    }

    private void createComponents() {
        // Create components

        firstNameField = new JTextField(20);
        lastNameField = new JTextField(20);
        ageField = new JTextField(5);
        emailField = new JTextField(20);
        messageArea = new JTextArea(5, 20);
        patientTypeComboBox = new JComboBox<>(new String[]{"Type 1", "Type 2", "Type 3"});
        maleRadioButton = new JRadioButton("Male");
        femaleRadioButton = new JRadioButton("Female");
        genderGroup = new ButtonGroup();
        submitButton = new JButton("Submit");
        viewDetailsButton = new JButton("View Details");

        // Add radio buttons to button group
        genderGroup.add(maleRadioButton);
        genderGroup.add(femaleRadioButton);

        // Add action listeners
        submitButton.addActionListener(new ActionListener() {
            @Override
```

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```
        public void actionPerformed(ActionEvent e) {  
            // Perform validation and save data  
            // Display errors if any  
            // For simplicity, just switch to details panel  
            CardLayout cardLayout = (CardLayout) cardPanel.getLayout();  
            cardLayout.show(cardPanel, "details");  
        }  
    });  
  
    viewDetailsButton.addActionListener(new ActionListener() {  
        @Override  
        public void actionPerformed(ActionEvent e) {  
            // Switch to details panel  
            CardLayout cardLayout = (CardLayout) cardPanel.getLayout();  
            cardLayout.show(cardPanel, "details");  
        }  
    });  
}  
  
private JPanel createRegistrationPanel() {  
    JPanel panel = new JPanel(new GridLayout(8, 2));  
    panel.add(new JLabel("First Name:"));  
    panel.add(firstNameField);  
    panel.add(new JLabel("Last Name:"));  
    panel.add(lastNameField);  
    panel.add(new JLabel("Age:"));
```

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```
    panel.add(ageField);

    panel.add(new JLabel("Email:"));
    panel.add(emailField);
    panel.add(new JLabel("Message:"));
    panel.add(new JScrollPane(messageArea));
    panel.add(new JLabel("Patient Type:"));
    panel.add(patientTypeComboBox);
    panel.add(new JLabel("Gender:"));
    panel.add(maleRadioButton);
    panel.add(new JLabel(""));
    panel.add(femaleRadioButton);
    panel.add(new JLabel(""));
    panel.add(submitButton);

    return panel;
}

private JPanel createDetailsPanel() {
    JPanel panel = new JPanel(new BorderLayout());
    JTextArea detailsArea = new JTextArea("Patient Details will be displayed here.");
    detailsArea.setEditable(false);
    panel.add(new JScrollPane(detailsArea), BorderLayout.CENTER);
    panel.add(viewDetailsButton, BorderLayout.SOUTH);

    return panel;
}
```

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```
public static void main(String[] args) {  
    SwingUtilities.invokeLater(new Runnable() {  
        @Override  
        public void run() {  
            new PatientRegistrationForm();  
        }  
    });  
}
```