

Part2Display.java

```

1 import java.awt.*;
5
6 public class Part2Display extends JFrame{
7     private JLabel q1AuthorIDLabel;
8     private JLabel q1LastNameLabel;
9     private JLabel q1FirstNameLabel;
10    private JLabel q2AuthorIDLabel;
11    private JLabel q2LastNameLabel;
12    private JLabel q2FirstNameLabel;
13    private JLabel q3AuthorIDLabel;
14    private JLabel q3ISBNLabel;
15    private JTextField q1AuthorIDTextField;
16    private JTextField q1LastNameTextField;
17    private JTextField q1FirstNameTextField;
18    private JTextField q2AuthorIDTextField;
19    private JTextField q2LastNameTextField;
20    private JTextField q2FirstNameTextField;
21    private JTextField q3AuthorIDTextField;
22    private JTextField q3ISBNTextField;
23
24    private JButton submitQ1;
25    private JButton submitQ2;
26    private JButton submitQ3;
27
28    private JPanel panelQ1;
29    private JPanel panelQ2;
30    private JPanel panelQ3;
31    private Part2 part2;
32
33    public Part2Display()
34    {
35        super("Part 2 Display");
36        part2 = new Part2();
37
38        setLayout(new FlowLayout(FlowLayout.CENTER,10,10));
39        setSize(800,600);
40        setResizable(false);
41
42        q1AuthorIDLabel = new JLabel();
43        q1LastNameLabel = new JLabel();
44        q1FirstNameLabel = new JLabel();
45        q2AuthorIDLabel = new JLabel();
46        q2LastNameLabel = new JLabel();
47        q2FirstNameLabel = new JLabel();
48        q3AuthorIDLabel = new JLabel();
49        q3ISBNLabel = new JLabel();
50        q1AuthorIDTextField = new JTextField(10);
51        q1LastNameTextField = new JTextField(10);
52        q1FirstNameTextField = new JTextField(10);
53        q2AuthorIDTextField = new JTextField(10);
54        q2LastNameTextField = new JTextField(10);
55        q2FirstNameTextField = new JTextField(10);
56        q3AuthorIDTextField = new JTextField(10);
57        q3ISBNTextField = new JTextField(10);
58
59        submitQ1 = new JButton();
60        submitQ2 = new JButton();

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61 submitQ3=new JButton();
62
63 panelQ1 = new JPanel();
64 panelQ2 = new JPanel();
65 panelQ3 = new JPanel();
66
67 panelQ1.setLayout(new BoxLayout(panelQ1, BoxLayout.X_AXIS));
68
69 panelQ1.setBorder(BorderFactory.createTitledBorder("Insert Author"));
70 q1LastNameLabel.setText("Last Name");
71 panelQ1.add(Box.createHorizontalStrut(5));
72 panelQ1.add(q1LastNameLabel);
73 panelQ1.add(q1LastNameTextField);
74 q1FirstNameLabel.setText("First Name");
75 panelQ1.add(Box.createHorizontalStrut(5));
76 panelQ1.add(q1FirstNameLabel);
77 panelQ1.add(q1FirstNameTextField);
78 submitQ1.setText("Submit");
79 submitQ1.addActionListener(
80     new ActionListener()
81     {
82         public void actionPerformed(ActionEvent evt)
83         {
84             q1ButtonActionPerformed(evt);
85         }
86     });
87 panelQ1.add(submitQ1);
88 add(panelQ1);
89
90 panelQ2.setBorder(BorderFactory.createTitledBorder("Edit Author"));
91 q2AuthorIDLabel.setText("Author ID");
92 panelQ2.add(Box.createHorizontalStrut(5));
93 panelQ2.add(q2AuthorIDLabel);
94 panelQ2.add(q2AuthorIDTextField);
95 q2LastNameLabel.setText("Last Name");
96 panelQ2.add(Box.createHorizontalStrut(5));
97 panelQ2.add(q2LastNameLabel);
98 panelQ2.add(q2LastNameTextField);
99 q2FirstNameLabel.setText("First Name");
100 panelQ2.add(Box.createHorizontalStrut(5));
101 panelQ2.add(q2FirstNameLabel);
102 panelQ2.add(q2FirstNameTextField);
103 submitQ2.setText("Submit");
104 submitQ2.addActionListener(
105     new ActionListener()
106     {
107         public void actionPerformed(ActionEvent evt)
108         {
109             q2ButtonActionPerformed(evt);
110         }
111     });
112 panelQ2.add(submitQ2);
113 add(panelQ2);
114
115 panelQ3.setBorder(BorderFactory.createTitledBorder("Insert AuthorID+ISBN"));
116 q3AuthorIDLabel.setText("Author ID");
117 panelQ3.add(Box.createHorizontalStrut(5));
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118     panelQ3.add(q3AuthorIDLabel);
119     panelQ3.add(q3AuthorIDTextField);
120     q3ISBNLabel.setText("ISBN");
121     panelQ3.add(Box.createHorizontalStrut(5));
122     panelQ3.add(q3ISBNLabel);
123     panelQ3.add(q3ISBNTextField);
124     submitQ3.setText("Submit");
125     submitQ3.addActionListener(
126         new ActionListener()
127         {
128             public void actionPerformed(ActionEvent evt)
129             {
130                 q3ButtonActionPerformed(evt);
131             }
132         });
133     panelQ3.add(submitQ3);
134     add(panelQ3);
135
136     setVisible(true);
137 }
138
139 public void q1ButtonActionPerformed(ActionEvent evt)
140 {
141     part2.addAuthor(q1LastNameTextField.getText(), q1FirstNameTextField.getText());
142
143     JOptionPane.showMessageDialog(this, "Author added", "Author added",
144     JOptionPane.PLAIN_MESSAGE);
145 }
146
147 public void q2ButtonActionPerformed(ActionEvent evt)
148 {
149     part2.editAuthor(Integer.parseInt(q2AuthorIDTextField.getText()), q2LastNameTextField.g
150     etText(), q2FirstNameTextField.getText());
151
152     JOptionPane.showMessageDialog(this, "Author updated", "Author updated",
153     JOptionPane.PLAIN_MESSAGE);
154 }
155
156 public void q3ButtonActionPerformed(ActionEvent evt)
157 {
158     part2.addAuthorISBNEntry(Integer.parseInt(q3AuthorIDTextField.getText()), q3ISBNTextFie
159     ld.getText());
160
161     JOptionPane.showMessageDialog(this, "AuthorISBN updated", "AuthorISBN updated",
162     JOptionPane.PLAIN_MESSAGE);
163 }
164
165 public static void main(String[] args)
166 {
167     new Part2Display();
168 }

```