ModifiedPanelDemo.java Page 1

```
1
     /**
2
      * Default constructor. Handles the setup of all the GUI elements.
      * /
3
    public ModifiedPanelDemo()
4
5
6
         super("Panel Demonstration");
7
         setSize(WIDTH, HEIGHT);
8
         setDefaultCloseOperation(JFrame.EXIT_ON_CLOSE);
9
         setLayout(new BorderLayout());
10
11
         // Set up the top row of buttons.
12
         JPanel buttonPanel1 = new JPanel();
13
         buttonPanel1.setBackground(Color.LIGHT_GRAY);
14
         buttonPanel1.setLayout(new FlowLayout());
15
         JButton pinkButton = new JButton("Pink");
16
         pinkButton.setBackground(Color.PINK);
17
18
         pinkButton.addActionListener(this);
19
         buttonPanell.add(pinkButton);
20
21
         JButton greenButton = new JButton("Green");
22
         greenButton.setBackground(Color.GREEN);
23
         greenButton.addActionListener(this);
24
         buttonPanell.add(greenButton);
25
26
         JButton yellowButton = new JButton("Yellow");
2.7
         yellowButton.setBackground(Color.YELLOW);
28
         yellowButton.addActionListener(this);
29
         buttonPanel1.add(yellowButton);
30
31
         add(buttonPanell, BorderLayout.NORTH);
32
33
         // Set up the main color panel.
34
         JPanel biggerPanel = new JPanel();
35
         biggerPanel.setLayout(new GridLayout(2, 3));
36
         // Begin new row in main color panel.
37
38
         redPanel = new JPanel();
39
         redPanel.setBackground(Color.LIGHT_GRAY);
40
         biggerPanel.add(redPanel);
41
42
         whitePanel = new JPanel();
43
         whitePanel.setBackground(Color.LIGHT_GRAY);
44
         biggerPanel.add(whitePanel);
45
46
         bluePanel = new JPanel();
47
         bluePanel.setBackground(Color.LIGHT_GRAY);
48
         biggerPanel.add(bluePanel);
49
50
         // Begin new row in main color panel.
51
         pinkPanel = new JPanel();
52
         pinkPanel.setBackground(Color.LIGHT_GRAY);
53
         biggerPanel.add(pinkPanel);
54
55
         greenPanel = new JPanel();
56
         greenPanel.setBackground(Color.LIGHT_GRAY);
57
         biggerPanel.add(greenPanel);
58
59
         yellowPanel = new JPanel();
60
         yellowPanel.setBackground(Color.LIGHT_GRAY);
```

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```
biggerPanel.add(yellowPanel);
62
 63
          add(biggerPanel, BorderLayout.CENTER);
 64
 65
          // Set up the bottom row of buttons.
 66
          JPanel buttonPanel2 = new JPanel();
          buttonPanel2.setBackground(Color.LIGHT_GRAY);
 67
 68
          buttonPanel2.setLayout(new FlowLayout());
 69
 70
          JButton redButton = new JButton("Red");
 71
          redButton.setBackground(Color.RED);
 72
          redButton.addActionListener(this);
 73
          buttonPanel2.add(redButton);
 74
 75
          JButton whiteButton = new JButton("White");
 76
          whiteButton.setBackground(Color.WHITE);
          whiteButton.addActionListener(this);
 77
 78
          buttonPanel2.add(whiteButton);
 79
 80
          JButton blueButton = new JButton("Blue");
 81
          blueButton.setBackground(Color.BLUE);
 82
          blueButton.addActionListener(this);
 83
          buttonPanel2.add(blueButton);
 84
 85
          add(buttonPanel2, BorderLayout.SOUTH);
 86
      }
 87
 88
 89
       * Handles events generated by the buttons.
 90
 91
       * @param e Specifies the generated event.
       * /
 92
 93
      public void actionPerformed(ActionEvent e)
 94
      {
95
          String buttonString = e.getActionCommand();
96
97
          if (buttonString.equals("Pink"))
98
              pinkPanel.setBackground(Color.PINK);
99
          else if (buttonString.equals("Green"))
100
              greenPanel.setBackground(Color.GREEN);
101
          else if (buttonString.equals("Yellow"))
102
              yellowPanel.setBackground(Color.YELLOW);
103
          else if (buttonString.equals("Red"))
104
              redPanel.setBackground(Color.RED);
105
          else if (buttonString.equals("White"))
106
              whitePanel.setBackground(Color.WHITE);
107
          else if (buttonString.equals("Blue"))
108
              bluePanel.setBackground(Color.BLUE);
109
          else
110
              System.out.println("Unexpected error.");
111
      }
112
```