

CardLayout

Welcome To Mad Libs

Please Enter Your Name

Please Enter A verb ending in "ing"

Please Enter A Plural Noun

Please Enter An Adjective

Next

CardLayout

Welcome To Mad Libs

Driving a car can be fun...
If you follow Timmy's Boring advice:
Before Swimming, always stick you Kitties
out of the window.

Prev

Exit

CardLayout

Welcome To Mad Libs

Hi there, all you Boring little boys and girls!
This is your old TV buddy, Timmy!
With another Boring-hour program of
Swimming Kitties for all of you

Prev

Exit

```

1 import java.awt.event.*;
2 import javax.swing.*;
3 import java.awt.*;
4 import java.util.Random;
5
6 public class MadLibs extends JFrame implements ActionListener{
7
8     private JButton next = new JButton("Next");
9     private JButton prev = new JButton("Prev");
10    private JButton exit = new JButton("Exit");
11
12    JLabel title1 = new JLabel("Welcome To Mad Libs");
13    JLabel title2 = new JLabel("Welcome To Mad Libs");
14
15    JLabel in1 = new JLabel("Please Enter Your Name");
16    JLabel in2 = new JLabel("Please Enter A verb ending in \"ing\"");
17    JLabel in3 = new JLabel("Please Enter A Plural Noun");
18    JLabel in4 = new JLabel("Please Enter An Adjective");
19
20    JTextField name = new JTextField(12);
21    JTextField verb = new JTextField(12);
22    JTextField noun = new JTextField(12);
23    JTextField adj = new JTextField(12);
24
25    JPanel input = new JPanel();
26    JPanel inputText = new JPanel();
27    JPanel output = new JPanel();
28    JPanel header = new JPanel();
29    JPanel header2 = new JPanel();
30    JPanel story2 = new JPanel();
31
32    private Container con = getContentPane();
33
34    private JTextArea story = new JTextArea("STORY\ ' \n INSERT", 4, 20);
35
36    CardLayout cardLayout = new CardLayout();
37
38    public MadLibs() {
39        super("CardLayout");
40        setSize(450,200);
41        setDefaultCloseOperation(JFrame.EXIT_ON_CLOSE);
42        setLayout(cardLayout);
43
44        con.setLayout(cardLayout);
45        input.setLayout(new BorderLayout());
46        inputText.setLayout(new FlowLayout(FlowLayout.CENTER));
47        output.setLayout(new BorderLayout());
48        header.setLayout(new FlowLayout(FlowLayout.CENTER));
49        header2.setLayout(new FlowLayout(FlowLayout.CENTER));
50        story2.setLayout(new FlowLayout(FlowLayout.CENTER));
51
52        title1.setFont(new Font("Arial", Font.BOLD, 26));
53        title2.setFont(new Font("Arial", Font.BOLD, 26));
54
55        header.add(title1);
56        header2.add(title2);
57
58        input.add(next, BorderLayout.EAST);
59        input.add(header, BorderLayout.NORTH);

```

```

59     input.add(header, BorderLayout.NORTH);
60     inputText.add(in1);
61     inputText.add(name);
62     inputText.add(in2);
63     inputText.add(verb);
64     inputText.add(in3);
65     inputText.add(noun);
66     inputText.add(in4);
67     inputText.add(adj);
68     input.add(inputText, BorderLayout.CENTER);
69     story2.add(story);
70
71     output.add(header2, BorderLayout.NORTH);
72     output.add(story2, BorderLayout.CENTER);
73     output.add(prev, BorderLayout.WEST);
74     output.add(exit, BorderLayout.EAST);
75
76     next.addActionListener(this);
77     prev.addActionListener(this);
78     exit.addActionListener(this);
79     con.add("input", input);
80     con.add("output", output);
81     //construct a panel and then show the specific panel you want to show
82 }
83
84
85 @Override
86 public void actionPerformed(ActionEvent e) {
87     Object source = e.getSource();
88     if(source == next) {
89         int x = (int) (Math.random() * 2 + 1);
90         if(x == 1) {
91             story.setText("Hi there, all you " + adj.getText() + " little boys and girls!"
92                 + "\nThis is your old TV buddy, " + name.getText() + "!\nWith another "
93                 + adj.getText() + "-hour program of\n" + verb.getText()
94                 + " " + noun.getText() + " for all of you");
95             System.out.println("1");
96         }
97         else {
98             story.setText("Driving a car can be fun..."
99                 + "\nIf you follow " + name.getText() + "'s " + adj.getText()
100                 + " advice:\nBefore " + verb.getText() + ", always stick you " + noun.getText() +
101                 "\nout of the window.");
102             System.out.println("2");
103         }
104
105         cardLayout.next(getContentPane());
106     }
107     else if(source == prev) {
108
109         cardLayout.previous(getContentPane());
110     }
111     else if(source == exit) {
112         super.dispose();
113     }
114 }
115
116 }
117

```

```
1 |
2 public class main {
3
4 public static void main(String[] args) {
5     MadLibs a = new MadLibs();
6     a.setVisible(true);
7
8 }
9
10 }
11
```