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- 0 😣
                                                                                     vim JCardLayout.java
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 5 JCardLayout.java -> Mad Lib program that uses CardLayourt and BorderLayout (FRONTEND AND BACKEND)
 7 */
 9 importdjavax.swing.*;
10 import java.text.MessageFormat;
11 import java.awt.*;
12 import javax.swing.JFrame;
13 import java.awt.event.*;
14 import java.lang.Math;
15
16 import java.io.*;
17 import java.util.*;
18
19 public class JCardLayout extends JFrame implements ActionListener{
            JButton next = new JButton("Next");
20
21
            JButton previous = new JButton("Previous");
22
            JButton exit = new JButton("Exit");
23
24
            String[] questions = {"Please enter your name", "Please enter a verb ending in -ing", "Please enter a plural noun", "Please enter an adjective"};
25
            JTextField[] question reponses = new JTextField[4];
26
27
            JPanel response inquiry = new JPanel();
28
            JPanel story_one_panel = new JPanel();
            JPanel main frame = new JPanel();
29
30
31
            JLabel greetings = new JLabel("Welcome to MatLab... I mean Mad Libs");
32
33
            JTextArea story_one = new JTextArea("FILLER TEXT");
34
35
            CardLayout card_layout = new CardLayout();
36
37
            public JCardLayout(){
38
                    super("Mad Libs for Mad Lads and Gals");
39
                    setLayout(card layout);
40
                    setSize(500, \overline{500});
41
42
                    setDefaultCloseOperation(JFrame.EXIT ON CLOSE);
43
                    greetings.setFont(new Font("Times New Roman", Font.BOLD, 20));
44
45
                    main_frame.setLayout(new BorderLayout(2, 4));
46
                    story one panel.setLayout(new BorderLayout(0, 3));
47
48
                    next.addActionListener(this);
49
                    previous.addActionListener(this);
50
                    exit.addActionListener(this);
51
52
                    story_one.setEditable(false);
                                                                                                                                                                    1,1
                                                                                                                                                                                   Top
53
                    story_one.setFont(new Font("Times New Roman", Font.BOLD, 14));
54
55
56
57
58
59
                    response_inquiry.setLayout(new FlowLayout());
                    // get an array of text fields based on the amount of questions asked
60
61
                    for(int i = 0 ; i < questions.length; ++i){}
62
63
64
                             question_reponses[i] = new JTextField(12);
                             response_inquiry.add(new JLabel(questions[i]));
                             response_inquiry.add(question_reponses[i]);
65
66
67
                    // this is the first page container and all of it's elements
68
                    main_frame.add(greetings, BorderLayout.NORTH);
69
                    main_frame.add(response_inquiry, BorderLayout.CENTER);
70
                    main_frame.add(next, BorderLayout.SOUTH);
71
72
73
                    /// this is the story panel with all of it's elements
74
75
76
                    story_one_panel.add(greetings, BorderLayout.NORTH);
                    story_one_panel.add(previous, BorderLayout.WEST);
                    story_one_panel.add(exit, BorderLayout.EAST);
77
                    story one panel.add(story one, BorderLayout.CENTER);
78
79
                    // these panels get added directly to the master JFrame
80
                    add(main_frame, "Pane 1");
81
                    add(story_one_panel, "Story Pane 1");
82
83
84
            @Override
85
            public void actionPerformed(ActionEvent event){
86
                    Object source = event.getSource();
87
                    if(source == next){
88
                             // this makes it easier to fill in the MessageFormat
89
                             String name = question reponses[0].getText();
                             String verb = question reponses[1].getText();
90
                             String noun = question reponses[2].getText();
91
                             String adjective = question reponses[3].getText();
93
94
95
                             String message = "Filler Text";
                             // randomly choose which message to display
96
                             if(Math.random() < 0.5){
97
                                     message = java.text.MessageFormat.format("{0} a {1} can be fun...\nIf you follow {2} {3} advice:\nBefore {4}, always stick your {5}\nout t
   he window!", verb, noun, name, adjective, verb, noun);
98
99
                             else{
                                     message = java.text.MessageFormat.format("Hi there, all you {0} little boys and girls!\nThis is your old TV buddy {1}\nWith another {2} ho
   ur program!\n{3} {4} for you all!", adjective, name, adjective, verb, noun);
101
102
                             // after generating the string, update the story text
                                                                                                                                                                    102,17
                                                                                                                                                                                   72%
                             story_one.setText(message);
                             // cycle to that page
105
                             card_layout.show(getContentPane(), "Story Pane 1");
106
107
                    else if(source == previous){
108
                             // go back to the original prompt
109
                             card_layout.show(getContentPane(), "Pane 1");
110
111
                    else{
112
                             // kill the window when exit button is pressed
113
                             this.dispose();
114
115
116
117
            public static void main(String[] args){
118
                    // Auto generated with caffine and avahi-daemon.service
119
                    JCardLayout l = new JCardLayout();
120
                    l.setVisible(true);
121
122 }
                                                                                                                                                                    122,1
                                                                                                                                                                                   Bot
             Mad Libs for Mad Lads and Gals
        Please enter your name
     Please enter a verb ending in -ing
       Please enter a plural noun
       Please enter an adjective
                     Next
              Mad Libs for Mad Lads and Gals
        Please enter your name Jared
     Please enter a verb ending in -ing Swimming
       Please enter a plural noun Kitties
        Please enter an adjective Red
                     Next
             Mad Libs for Mad Lads and Gals
Welcome to MatLab... I mean Mad Libs
        Hi there, all you Red little boys and girls!
        This is your old TV buddy Jared
        With another Red hour program!
        Swimming Kitties for you all!
 Previous
                                           Exit
             Mad Libs for Mad Lads and Gals
Welcome to MatLab... I mean Mad Libs
        Swimming a Kitties can be fun...
        If you follow Jared Red advice:
```

Previous

out the window!

Before Swimming, always stick your Kitties

Exit