```
1 import components.stack.Stack;
3 /**
4 * Controller class.
6 * @author Bruce W. Weide
7 * @author Paolo Bucci
9 public final class AppendUndoController1 implements
  AppendUndoController {
10
11
      /**
12
       * Model object.
13
14
      private final AppendUndoModel model;
15
16
      /**
17
       * View object.
18
19
      private final AppendUndoView view;
20
21
22
       * Stack to get the last string.
23
24
      private final Stack<String> sentence;
25
26
      /**
27
       * Updates view to display model.
28
29
       * @param model
30
                     the model
31
       * @param view
32
       *
                     the view
33
34
      private static void updateViewToMatchModel(AppendUndoModel
  model,
35
               AppendUndoView view) {
36
          /*
           * Get model info
37
38
           */
39
          String input = model.input();
          Stack<String> output = model.output();
40
41
          /*
42
           * Update view to reflect changes in model
```

```
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 43
            */
 44
            view.updateInputDisplay(input);
 45
            view.updateOutputDisplay(output.pop());
 46
       }
 47
 48
       /**
 49
        * Constructor; connects {@code this} to the model and view it
   coordinates.
 50
 51
        * @param model
 52
                      model to connect to
 53
        * @param view
 54
        *
                      view to connect to
 55
        */
       public AppendUndoController1(AppendUndoModel model,
 56
   AppendUndoView view) {
 57
            this.model = model;
 58
            this.view = view;
 59
 60
            * Update view to reflect initial value of model
 61
            */
 62
            updateViewToMatchModel(this.model, this.view);
       }
 63
 64
 65
 66
        * Processes reset event.
 67
        */
 68
       @Override
 69
       public void processResetEvent() {
 70
 71
            * Update model in response to this event
 72
 73
            this.model.setInput("");
 74
            this.model.setOutput("");
            //Couldn't figure out how to do it with Stacks
 75
 76
            /*
 77
            * Update view to reflect changes in model
 78
 79
            updateViewToMatchModel(this.model, this.view);
 80
       }
 81
 82
       /**
 83
        * Processes copy event.
 84
```

this.model.setInput(popped);

this.model.setOutput(result);

124

125

126 127

128

}

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129 } 130