```
1: // User selects pizza topping and sees price
2:
3: // variables from camelCase changed to snake_case as well
4:
5: import javax.swing.*;
6: import java.awt.*;
7: import java.awt.event.*;
8: import javax.swing.JFrame;
9:
10: public class Debug2 extends JFrame implements ActionListener{
11:         // moved all toppings to String array
12:         String toppings[] = {"cheese", "sausage", "pepperoni", "onion",
13:                         "green pepper", "green olive", "black olive"};
14:         // JComboBox needs to know what kind of elements it is holding
15:         // in this case it is Strings
16:         JComboBox<String> pizza_box = new JComboBox<>(toppings);
17:
18:         // clearer variable names
19:         JLabel topping_label = new JLabel("Topping List");
20:         JLabel business_title = new JLabel("Paulos's American Pie");
21:
22:         JTextField total_price = new JTextField(20);
23:
24:         int[] pizza_price = {7, 10, 10, 8, 8, 8, 8};
25:         int total, pizza_number;
26:         String output = "";
27:
28:         // Constants that dictate how big the window will be
29:
30:         final int FRAME_WIDTH = 500, FRAME_HEIGHT = 500;
31:         private static final long serialVersionUID = 12996;
32:
33:         public Debug2(){
34:                 super("Pizza Builder");
35:
36:                 setSize(FRAME_WIDTH, FRAME_HEIGHT);
37:                 setDefaultCloseOperation(JFrame.EXIT_ON_CLOSE);
38:                 setLocationRelativeTo(null);
39:                 setLayout(new FlowLayout());
40:
41:                 // the JComboBox needs to be linked to the actionPerformed method
42:                 // added keyword this to indicate attachment to current class
43:                 pizza_box.addActionListener(this);
44:                 // add banner to main JFrame
45:                 add(topping_label);
46:                 // loop through the toppings String array for
47:                 // less repetitive code
48:                 for(int i = 0; i < toppings.length; ++i){
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49:                         pizza_box.add(new JLabel(toppings[i]));
50:                 }
51:
52:                 // add the rest of the elements to the main JFrame
53:                 add(pizza_box);
54:                 add(business_title);
55:                 add(total_price);
56:         }
57:
58:         // arguments changed to args but showed no discernable difference
59:
60:         public static void main(String[] args){
61:                 // call the correct constructor
62:                 JFrame frame = new Debug2();
63:                 // there is no need to set the size inside main
64:                 // this is handled in the Debug2 constructor
65:                 // also setVisible needs to be set to true
66:                 frame.setVisible(true);
67:         }
68:
69:     @Override
70:     // the original function had a itemStateChanged function
71:     // this was first misspelled and was not the correct function to call
72:     // you need to call actionPerformed, as it not a radio button
73:     // the parameters require an ActionEvent, not a list of ItemEvents
74:
75:     public void actionPerformed(ActionEvent event){
76:         // you nee to call the function, getSource is not a data member
77:         // this is only permissible in Python
78:         Object source = event.getSource();
79:         // incorrect operator =
80:         if(source == pizza_box){
81:                 // variable with similar name totalPrice and totPrice
82:                 // totalPrice changed to given_price
83:                 int given_price = pizza_price[pizza_box.getSelectedIndex()];
84:                 // convert integer to String, then catenate
85:                 output = "Pizza Price $ "+String.valueOf(given_price);
86:                 total_price.setText(output);
87:         }
88:     }
89: }
```