

```
1 package food;
2 import java.awt.*;
3 import java.awt.event.*;
4 import java.text.SimpleDateFormat;
5 import java.util.Calendar;
6 import javax.swing.*;
7
8 public class Food extends JFrame {
9
10     private JCheckBox food1, food2, food3, food4, food5;
11     private JButton submitButton;
12     private JLabel messageLabel,messageLabel1,messageLabel2;
13
14     private double price1 = 100.0, price2 = 85.0, price3 = 68.0, price4 =
40.0, price5 = 90.0;
15
16     public Food() {
17         super("Food Order");
18         setLayout(new FlowLayout());
19
20         food1 = new JCheckBox("amala   ($100.0)");
21         add(food1);
22         food2 = new JCheckBox("rice   ($85.0)");
23         add(food2);
24         food3 = new JCheckBox("bean  ($68.0)");
25         add(food3);
26         food4 = new JCheckBox("semovita ($40.0)");
27         add(food4);
28         food5 = new JCheckBox("yam and egg ($90.0)");
29         add(food5);
30
31         submitButton = new JButton("ORDER");
32         add(submitButton);
33
34         messageLabel = new JLabel("");
35         add(messageLabel);
36         messageLabel1 = new JLabel("");
37         add(messageLabel1);
38         messageLabel2 = new JLabel("");
39         add(messageLabel2);
40
41         submitButton.addActionListener(new ActionListener() {
42             public void actionPerformed(ActionEvent e) {
43                 int count = 0;
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44         double totalPrice = 0.0;
45         String orderedFoods = "";
46         if (food1.isSelected()) {
47             count++;
48             totalPrice += price1;
49             orderedFoods += "amala, ";
50         }
51         if (food2.isSelected()) {
52             count++;
53             totalPrice += price2;
54             orderedFoods += "rice, ";
55         }
56         if (food3.isSelected()) {
57             count++;
58             totalPrice += price3;
59             orderedFoods += "bean, ";
60         }
61         if (food4.isSelected()) {
62             count++;
63             totalPrice += price4;
64             orderedFoods += "semovita, ";
65         }
66         if (food5.isSelected()) {
67             count++;
68             totalPrice += price5;
69             orderedFoods += "yam and egg, ";
70         }
71         if (count < 3) {
72             messageLabel.setText("Please order at least 3 foods.");
73         } else {
74             orderedFoods = orderedFoods.substring(0,
orderedFoods.length() - 2);
75             Calendar cal = Calendar.getInstance();
76             SimpleDateFormat sdf = new SimpleDateFormat("HH:mm:ss
dd/MM/yyyy");
77             String time = sdf.format(cal.getTime());
78             int hour = cal.get(Calendar.HOUR_OF_DAY);
79             String greeting = "Good Morning";
80             if (hour >= 12 && hour <= 17) {
81                 greeting = "Good Afternoon";
82             }
83             else if (
84                 hour >= 17 && hour <= 24) {
85                 greeting = "Good Evening";
```

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86         }
87         messageLabel.setText(greeting + "! You have ordered " +
orderedFoods);
88         messageLabel1.setText(" total price $" + totalPrice);
89         messageLabel2.setText("ordered time " + time + ".");
90     }
91 }
92 });
93 }
94
95 public static void main(String[] args) {
96     Food foodOrder = new Food();
97     foodOrder.setDefaultCloseOperation(JFrame.EXIT_ON_CLOSE);
98     foodOrder.setSize(400, 200);
99     foodOrder.setVisible(true);
100 }
101 }
```