

IS 380: Object-Oriented Programming Spring 2017

Individual Assignment 4-2

Due Date: **3:59 PM, April 3, 2017** (Submit via WebCampus).
Weights: 2.5 % of total grades.

NOTE:

1. Please zip the **.java** files and upload the zip file to WebCampus for submission.
2. Please provide proper comments to document your code, including the following:
 - a. Author's name;
 - b. Purpose of the program;
 - c. In-line comments for the statements.

Meal Cost Calculator

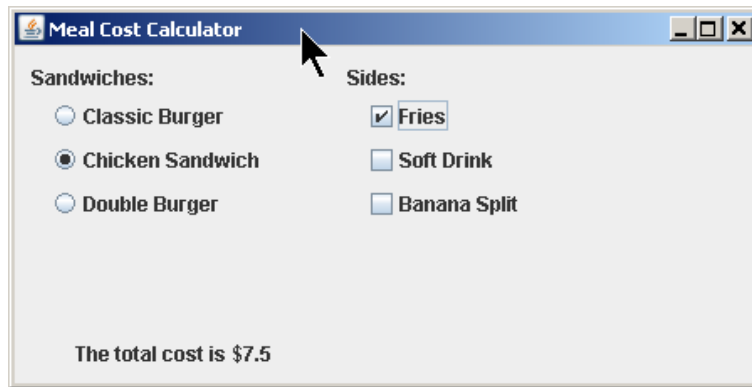
Write a GUI application that calculates the cost of a meal based on the user's selection. The cost for each item is listed below:

Classic Burger	\$5.5
Chicken Sandwich	\$4.5
Double Burger	\$6.5
Fries	\$3
Soft Drink	\$2
Banana Split	\$5

- (1) Create a GUI as the following screenshot. Name each of the components properly.



- (2) Implement **ONE** Item Listener for all the radio buttons and check boxes. When the meal option is selected/deselected, the total cost is shown. That is, **only one** inner class of item listener is implemented that would handle the event of **itemStateChanged** of every radio button and check box.



Grading criteria:

- (1) Correctness (25 points):
- (a) The code can be compiled without any syntax error.
 - (b) Variables and named constants are used.
 - (c) The code can generate the requested results.
 - (d) The program is properly documented using comments (`/**.....*/` and `//.`)
- (2) Technique used (25 points):
- (a) **JFrame**, **JLabel**, **TextField**, **JRadioButton** and **JCheckBox** are used, and named properly; i.e., the names of the objects should be descriptive.
 - (b) The radio buttons are grouped by a button group.
 - (c) The **isSelected()** method of **JRadioButton** and the **JCheckBox** is used.
 - (d) One **ActionListener** is implemented to handle the event of all radio button and check box.