# ASSIGNMENT 4

Write a **C++ program** called ***YourName-Assignment4*** (replace ***YourName*** with your actual name, no spaces) that that can be used in a gourmet grilled cheese food truck to make and confirm orders using the exact requirements listed below.

The restaurant menu has 5 CATEGORIES: `BREAD`, `MEAT`, `CHEESE`, `VEGGIE`, and `SIDE`. Each CATEGORY has different OPTIONS. Each OPTION has a NUMBER (e.g. `1`, `2`, etc.) and a NAME/TEXT (e.g. `Wheat`, `Provolone`, etc.) as following:

| BREAD | |
|---|---|
| 1 | Wheat |
| 2 | Sourdough |
| 3 | Italian |
| 4 | White |
| 5 | Multigrain |

| CHEESE | |
|---|---|
| 1 | Mozzarella |
| 2 | Cheddar |
| 3 | Swiss |
| 4 | Provolone |
| 5 | Monterey Jack |
| 6 | Goat cheese |

| MEAT | |
|---|---|
| 1 | Chicken |
| 2 | Turkey |
| 3 | Roast Beef |
| 4 | Bacon |
| 0 | NONE |

| VEGGIE | |
|---|---|
| 1 | Mushrooms |
| 2 | Olives |
| 3 | Spinach |
| 4 | Peppers |
| 5 | Onion |
| 0 | NONE |

| SIDE | |
|---|---|
| 1 | Fries |
| 2 | Chips |
| 3 | Salad |
| 4 | Coleslaw |
| 5 | Tomato Soup |
| 0 | NONE |

The program should

1. Display for each CATEGORY the OPTIONS (both number and name/text). It does not have to be in a table format (no lines, no columns), can be text, but it does have to have the exact option (both number and names).

2. Prompt the user and read one MENU OPTION (the number for the selected option) for each CATEGORY above.
   **`Enter your choice for BREAD:`** **`[BREAD]`**
   **`Enter your choice for CHEESE:`** **`[CHEESE]`**
   **`Enter your choice for MEAT:`** **`[MEAT]`**
   **`Enter your choice for VEGGIE:`** **`[VEGGIE]`**
   **`Enter your choice for SIDE:`** **`[SIDE]`**
   You can also display the menu options in the prompt (combine steps 1 and 2). For example: **`Enter your choice for BREAD (1 for Wheat, 2 for Sourdough, 3 for Italian, 4 for White, 5 for Multigrain):`** **`[BREAD]`**, and the same for the other categories.

3. Use selection statements to determine the corresponding name for the selection category number for each category. For example, if the user enters **`1`** for **`BREAD`** number, the bread name selection is **`Wheat`**, if enters **`2`** for **`BREAD`** number, the bread name selection is **`Sourdough`** and so on for each option for each option for each category.

4. Output a sentence that confirm the selection for each category in this exact format (using the name of the selected option computed in step 3): **`You ordered a Grilled Cheese on [BREAD] bread with [CHEESE], [MEAT], [VEGGIE], [SIDE].`**

5. Use selection statements to compute the COST of the grilled cheese: if plain (just bread and cheese) the price is `$5` , if added a MEAT then add $2 to the price, if added a VEGGIE add $1 to the price and if added a SIDE then add $2 to the price. .

6. Output a sentence with the COST. **`Your balance is: COST.`**

For example, if the user enters **`1`** for **`BREAD`**, **`2`** for **`CHEESE`**, **`3`** for **`MEAT`**, **`0`** for **`VEGGIE`**, and **`0`** for **`SIDE`**, the output should be: **`You ordered a grilled cheese on Wheat bread with Cheddar, Roast Beef. Your balance is: $7.`**

For example, if the user enters **`4`** for **`BREAD`**, **`1`** for **`CHEESE`**, **`1`** for **`MEAT`**, **`1`** for **`VEGGIE`**, and **`1`** for **`SIDE`** the output should be: **`You ordered a grilled cheese on White bread with Mozzarella, Chicken, Mushrooms, Fries. Your balance is: $10.`**

Create a Microsoft Word **screenshots document** called ***YourName-Assignment4.docx*** (replace ***YourName*** with your name, no spaces) that contains screenshots of your *entire C++ code* (take multiple screenshots if the code is larger than one screen), and the *entire console output* (take multiple screenshots if the output is larger than one window).

Submit your ***YourName-Assignment4.cpp*** C++ source code and ***YourName-Assignment4.docx*** screenshots document files under Assignment4 on eCampus. Do not archive the files or submit other file formats.