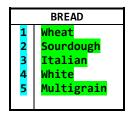
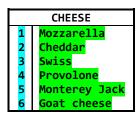
ASSIGNMENT 4

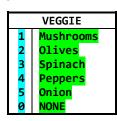
Write a **C++ program** called **YourName-Assignment4** (replace **YourName** with your actual name, no spaces) that that can be used in a gourmet grilled cheese food truck to make and confirm orders using the exact requirements listed below.

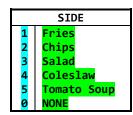
The restaurant menu has 5 CATEGORIES: BREAD, MEAT, CHEESE, VEGGIE, and SIDE. Each CATEGORY has different OPTIONS. Each OPTION has a NUMBER (e.g. 1, 2, etc.) and a NAME/TEXT (e.g. Wheat, Provolone, etc.) as following:











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 <u>YourName-Assignment4.cpp</u> C++ source code and <u>YourName-Assignment4.docx</u> screenshots document files under Assignment4 on eCampus. Do not archive the files or submit other file formats.