

## Programming Assignment #2

Due Date: July 10<sup>th</sup>, 2017 11:59pm

Your store is open and your customers are eager to start making purchases. This week you will create menus of your products and then do a mock checkout. To complete this lab, your program should:

- Create nested menus of your product. Three items in a category is enough.
- In at least one menu, allow users to browse to a sub-category.
- After each purchase, customers may choose to buy more stuff or stop buying (Hint: use a while loop here)
- For a mock checkout, read in two numbers (the prices) from the user.
- Add these two numbers together to create a subtotal.
- Calculate a 7.25% sales tax and add it to the order.

At a minimum, your lab should include the following:

- Use at least 3 different control structures (if, switch, while, for, etc)
- Print out all intermediate steps of your calculations.
- All values should be printed out as dollar amounts (with a \$ sign and to only 2 decimal places)

All programming labs will contain the following components:

- A copy of the code.
- Proof that the code works.
- Proper comments in the code.
- A one paragraph summary of the lab. This should include a description of the lab as well as your personal assessment of the lab.

Failure to include any of these components will result in a deduction of points.

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- Clear comments

Please remember do NOT use any real data when testing your programs.

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