

COSC 1337 – Fundamentals of Programming

Project Documentation and Style Requirements

One of the requirements of this course is that you program in a professional programming style. 20% of your grade on each programming assignment will be based on program documentation and style. The goal is to make your program easy to read and understand. You should follow a standard indentation style that highlights the structure of your program. I like the indentation style used in our textbook, but as long as you consistently follow a neat, professional looking style, I won't complain.

- Each program must begin with a comment that includes:
 - your name
 - program status - either "Complete" or describe any incomplete or non-functioning part of your program,
 - brief 1 to 3 line description of what the program does.
- In your source file, the code for the main function should come first followed by your other functions. In addition to main(), there should be more functions.
- Each function should begin with a 1 to 3-line comment describing what the function does.
- All local variables and constants should be declared at the beginning of the function block.
- Use meaningful variable names. One or two character names are rarely meaningful. For example, **c** and **ch** would not be acceptable names for a variable that holds the change returned from a purchase. **chng** is OK. **Change** and **changeDue** are even better.
- Declare one variable or constant per line. Include a comment to the right of the variable or constant declaration describing how it is used.
- If a function is longer than 4 or 5 lines, it should be divided into sections by task with blank lines between sections. Include a 1 or 2-line comment at the beginning of each section describing what the section of statements does. I want to be able to read the comment at the beginning of a section and understand what the section does without looking at the C++ code. Note: These comments should say **WHAT** the section does, and not necessarily **HOW** it does it.