CSC 210 Programming Assignment Grading Guide

Each programming assignment is an opportunity for the student to improve their programming skills and to improve their knowledge of fundamental computer science topics. The assignments should be performed **individually** and all submitted work should be the **original work of the student**. However, students are encouraged to discuss their work with TAs and each other in their efforts to work through their ideas and solve their problems.

Each assignment will be graded on the following:

Functionality - typically 70%

This is based on how well the program satisfies the requirements. Programs will be executed and a variety of tests will be performed. Sometimes there may be published test cases, but students are encouraged to test their programs before submission. Students should try to write down the functional requirements in point form to see that their program satisfies each one.

Design - typically 20%

This is based on how well the program has been designed in terms of:

- the use of data structures and algorithms,
- the organization of the code,
- the use of functions/methods and their parameters,
- the use of classes/objects and their methods.

Good design practices are discussed and encouraged throughout the course.

Readability - typically 10%

This is based on how easy it is to understand the program. Good programming style is important to readability and includes:

- consistent brace style and indentation
- consistent naming of variables, methods, and classes
- documentation comments for each file, class and method
- implementation comments where needed

Try to keep comments very brief and 'to-the-point'. The briefer the comment, the more likely it will be read and be useful.