C++ Style Guide

Sunday, August 27, 2017   9:53 AM

This page highlights specific sections that homework will be graded against.

1: General

1. File names match the specification of each assignment
2. There exists no commented out code in your document

2: Naming

1. Normal Variables: each word in a normal variable should be separated using underscores.
   Example: sally_the_dog
2. Private Member Variables: prefix with an underscore, separate words using underscores.
   Example: _my_private_var
3. Functions: Use lower camel casing.
   Example: mySimpleFunction()
4. Classes: Use upper-camel casing.
   Example: MyAwesomeClass
5. Enumerations: Enumerations are upper camel case and end with a "_t".
   Example: MyEnum_t.
6. Enumeration Values: Enumeration values (e.g. Ace, King, etc.) should be upper camel case.
7. Constants / #defines: Constants are all uppercase with words separated by underscores.
   Example: MY_CONSTANT_VAR

3: Spacing

1. Function definitions inside a class are separated by a single blank line.
2. Use blank lines in functions, sparingly, to indicate logical sections.
3. Always precede a comment by a single blank line
4. Use at either 3 or 4 spaces to indent after a curly brace "{".

Coding Header

Be sure to affix each file in your solution with the following header:
```
/*
Assignment: (Assignment Name Here)
Description: (Enter Program Description Here)
Author: (Enter your full name)
HSU ID: (Enter your HSU ID number)
Completion Time: (Enter the total number of hours that you spend on the
        assignment)
In completing this program, I received help from the following people:
(List people here)
*/
```