Code Style Document

Identifiers

Variables: Variable names should be well thought out and descriptive. Try to keep them as short as possible but do not sacrifice readability to save space. Multi word variables should use the camelcase standard. The first letter of the variable should be lowercase.

Class Names: Class names should describe what the class contains and should be concise. The class name should also follow the camelcase standard and should start with a capital letter.

Methods: Since methods drive the majority of the functionality of a program they should be well named. A method name should also be descriptive while being as brief as possible. Methods should follow the camelcase standard and start with a lowercase letter.

Indenting

Standard indenting should be used when coding. Classes and methods will be to the far left, unless the method is inside the class in which case it should also be indented, anything inside a class or a method should be indented in. If there are any if statements or loops the contents of those if statements and loops should be indented as well. There should be as many indentations as necessary if there is a nested if/loop in the code.

WhiteSpace

There needs to be an appropriate amount of white space in the code. There should be one blank line between methods. There should also be white spaces within lines of code to help readability. In equations there should be a white space between the variables and the operands, 2 + 3, not, 2+3. While writing code if lines of code belong to a similar idea they can be kept together without lines of white space in between, but as soon as there is a new idea an empty line should be placed to show the organization of ideas or concepts in the code. Else statements will come directly after if statements with no spaces after the curly bracket. Else if statements will go onto the next line. The first curly bracket will start on the same line with one space.

Comments

Every file should have a header of comment information. This is a good way to keep track of work being done and helps to keep things organized. There should also be comments in the h files to describe the methods and classes, and there should be comments in the code as necessary. Comments should provide information that the code does not, or explain code that may be hard to understand.