

CRITERIA USED FOR CODE REVIEWS

1. WHAT THIS IS

Please find below a summary of the criteria that will be used to assign points during the code-reviews that will be conducted on many of your projects from this point forward. Note: your instructors and teaching assistants will be examining every student's Project submission and will award points based upon these criteria. Please do not hesitate to ask if you have questions.

1.1. Header documentation. Every file should be introduced with a "header" near the top of the file. The header should include:

```
/*
 * Name: <your name>
 * Section: <your section number>
 * Teaching Assistant's Name: just a first name will do here
 */
```

Note that as many as 3 points may be deducted for missing or incomplete headers.

1.2. Identifier Names.

- Variable names should describe what they represent;
- Method names should begin with a lowercase verb, possibly followed by additional nouns, or modifiers (in mixed case) when reasonable.

Note, up to 3 points may be deducted for poorly named variable or method names.

1.3. Use of braces, delimiters. Unless appearing within `if` statements, braces should appear on their own line. For example:

```
if( n < 0 ) {
    <statement>
}
```

is acceptable, whereas

```
if( n , 0 )
{ <statement> }
```

is not because it's unclear where the block begins and ends. Note, up to 2 points may be deducted for poorly placed braces.

1.4. All iterative statements must be documented. All iterative statements should be introduced with a block comment describing what they intend to compute as well as their terminating condition(s).

```
/* add successive values of n to sum; terminate when n equals
 * or is less than 0.
 */
while( n > 0 ) {
    sum = sum + n;
    n--;
}
```

Up to 2 points may be deducted for failure to document iterations.