Functional Specification Template

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| **Student** | | | Rashad Hill | | **Date** | 21-Nov-2016 |
| **Program** | | | LOC Counter | | **Program #** |  |
| **Instructor** | | | OneFire | | **Language** | PHP |
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| **Class Name** | |  | | | | |
| **Parent Class** | |  | | | | |
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| **Attributes** | | | | | | |
|  | **Declaration** | | | **Description** | | |
|  | $functionList | | | An associative array that contains the function name as the key, and the loc as the value, including an element that counts the loc that doesn’t belong to a function | | |
|  | $locFile | | | A reference variable to the file and it’s contents | | |
|  | $functionLOC | | | A variable to represent the number of lines of code within a function | | |
|  | $isPHP | | | A flag to determine if line is a PHP line of code or HTML line of code | | |
|  | $isMultComment | | | A flag to determine if line is a comment | | |
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| **Items** | | | | | | |
|  | **Declaration** | | | **Description** | | |
|  | isPhysicalLine($line) | | | A function that determines if the line is a physical line or can be discarded. | | |
|  | countFunctions() | | | The main function that navigates a text file and counts the loc in that text file, assuming that it’s a file for a programming language. This function returns an associative array of the number of LOC in a file | | |
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