**Script Requirements**

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| **Category** | **Description** | **Demonstrated/Not Demonstrated** |
| **Comments** | * Script will have comments, explaining each block of code and what it is doing. In complex blocks, the algorithm should be thoroughly explained * All variables are declared with comments explaining their function * All classes and methods will have comments explaining their use in detail * All scripts will have a header, multi-line, comment block that: * Names the author(s) and date created * Describes the overall purpose AND function of the script * References any Git code or other source for code, whether it is a student or Internet source. This should explicitly identify which code was borrowed or built upon to create your script |  |
| **Variables** | * All variables will be descriptive * All variables will be in camelCase * All variables will have comments explaining their function (see comments) * All variables will be appropriately scoped (you will only need to worry about this when we discuss scope). * No fixed values allowed in your code (except 1 if you are incrementing a loop by one. You will use constants or standard variables instead of fixed values (i.e. interestRate=.05 not .05) |  |
| **Code** | * Code should be commented enough that one can read it easily * White Space should be used * All input data should be checked for validity to ensure it is within an acceptable range of data * If improper data is entered, the program should display an appropriate and descriptive error (e.g., You must enter a number between 3 and 5 or Names cannot contain numeric values) * User prompts, where applicable in your script, should be descriptive enough that a user understands what he or she should enter * Scripts must address the business need defined * The script should not crash, and all syntax errors should be addressed—Test all scenarios |  |
| **Modularization** | * Classes, functions, and methods will be used appropriately to modularize your code (i.e, each module, method, or function should be singularly functional) |  |

**Example**



