

Rubrics for Project 1

	Excellent	Good	Satisfactory	Unsatisfactory
Readability (R)	6 points	4 points	2 points	0 points
	Code is clean, understandable, well-organized	Minor issues such as inconsistent indentation, variable naming, general organization	At least one major issue that makes it difficult to read	Several major issues that make it difficult to read.
Elegance (E)	6 points	4 points	2 points	0 points
	Code is modular and exhibits good design to encourage resusability	Code appropriately uses for loops and methods for repeated code, and there is minimal hard-coding.	Code uses a poorly chosen approach in at least one place, for example, hard coding something that could be implemented through a for loop	Many instances where code could have used easier/faster/better approach.
Documentation (D)	3 points	2 points	1 point	0 points
	* Documentation clearly defines summarize its behavior and document its arguments, return value(s), side effects, exceptions raised, and restrictions on when it can be called (all if applicable). * Code is well commented.	* Documentation is somewhat incomplete, missing out one essential information. * One or two places could benefit from comments, or the code is overly commented	* Bare-minimum documentatong * Major lack of comments make it difficult to understand code.	* No Documentation * No comments

	15 points	10 points	5 points	0 points
Testing (T) , Correctness (C)	<p>Program always works correctly and meets the specifications</p> <ul style="list-style-type: none"> • Executes without errors • excellent user prompts, good use of symbols, spacing in output. • Thorough and organized testing has been completed and output from test cases is included. 	<p>Minor details of the program specification are violated, program functions incorrectly on some inputs</p> <ul style="list-style-type: none"> • Executes without errors. • User prompts are understandable, minimum use of symbols or spacing in output. • Thorough testing has been completed 	<p>Significant details of specification are violated, or the program often exhibits incorrect behavior.</p> <ul style="list-style-type: none"> • Executes without errors. • User prompts contain little information, poor design. • Some testing has been completed. 	<p>Program does not run, or errors occur on input similar to sample.</p> <ul style="list-style-type: none"> • Does not execute due to syntax errors. • Does not execute due to runtime errors (endless loop, crashes etc.) • User prompts are misleading or non-existent. • No testing has been completed.