

Programming Challenge

Area	None	Partial	Mastery
Understanding Did the student(s) demonstrate a solid understanding of the software for project development?	No understanding of the software for project development.	Some understanding of the basic use of the software for project development.	Master in the use of software development.
Formatting Is the code arranged in an orderly and logical manner?	None of the code is lined up on the left side of the page with no indentations.	Sections of the code are formatted and aligned correctly..	All of the code is aligned and indentation is consistent throughout the entire project.
Source Code Documentation Is written text present that either explains how the code operates or how to use it?	No comments are present in the code.	Some comments are present in the code.	Comments are used in appropriate places and describe the intent of the code.
Execution/Performance How well does the program perform?	Program does not execute at all.	Program execute but has some errors. Program runs into issues with some special cases. Program has not been fully tested.	Program runs with no errors and is able to handle multiple use cases (even some unorthodox). Program has been fully tested.
Specifications Does the program meet the specifications for the assignment?	Program does not follow the assignment description.	Program follows some of the assignment specifications.	Program follows all of the assignment description.
Efficiency How efficient did the operations function to achieve the solution?	Program was not efficient.	Program uses a logical solution but is not easy to follow or is not the most efficient. Other alternative solutions would work better.	Program uses outstanding solution that is easy to understand and maintain. Many alternate solutions were analyzed and the most efficient solution was chosen.