

Grading rubric for programming assignments

Requirements and Delivery (50 points)	Unsatisfactory 0 - 20 points	Satisfactory 30 points	Good 40 points	Excellent 50 points
	<ul style="list-style-type: none"> Completed less than 70% of the requirements Delivered in time but not in the correct format 	<ul style="list-style-type: none"> Completed between 70%-80% of the requirements Delivered on time, and in the correct format 	<ul style="list-style-type: none"> Completed between 80%-90% of the requirements Delivered on time, and in the correct format 	<ul style="list-style-type: none"> Completed between 90%-100% of the requirements Delivered on time, and in the correct format
Coding standards (10 points)	0 - 4 points	6 points	8 points	10 points
	<ul style="list-style-type: none"> No name, date, or assignment title included as the initial comments Disorganized and messy Poor use of variables (many global variables, extra variables, public instance variables, ambiguous names) Poor use of methods (only static methods) Poor use of indentation, blank lines 	<ul style="list-style-type: none"> Includes name, date, and assignment title as the initial comments Organized work Good use of variables (few global variables, unambiguous naming, extra variables, public instance variables) White space makes program fairly easy to read. 	<ul style="list-style-type: none"> Includes name, date, and assignment title as the initial comments Organized work Good use of variables (only necessary variables, unambiguous naming) Good use of white space 	<ul style="list-style-type: none"> Includes name, date, and assignment title as the initial comments Organized work Excellent use of variables (few global variables, unambiguous naming) Excellent use of white space

Runtime (20 points)	0 – 8 points	12 points	16 points	20 points
	<ul style="list-style-type: none"> • Does not compile (0 points) • Does not execute due to errors (0 points) • Program never ends (loop) • User prompts are misleading or non-existent • No testing has been completed, or no input validation (when required) 	<ul style="list-style-type: none"> • Executes without errors • User prompts contain little information • Poor design for the output • Some testing or input validation has been completed (when required) 	<ul style="list-style-type: none"> • Executes without errors • User prompts are understandable • Minimum use of symbols or spacing in output • Most testing or input validation is completed (when required) 	<ul style="list-style-type: none"> • Executes without errors • Excellent user prompts • Good use of symbols • Excellent output • Thorough and organized testing or input validation has been completed (when required)
Efficiency (10 points)	0 - 4 points	6 points	8 points	10 points
	<ul style="list-style-type: none"> • Code difficult to understand • Inefficient solution • Code is huge and appears to be patched together 	<ul style="list-style-type: none"> • Code presents a logical solution with minor errors • Code is easy to follow • Not the most efficient solution 	<ul style="list-style-type: none"> • Code presents a logical solution • Code is easy to follow • Code is fairly efficient 	<ul style="list-style-type: none"> • Code presents a logical solution • Code is easy to follow • Code is efficient
Documentation (10 points)	0 – 4 points	6 points	8 points	10 points
	<ul style="list-style-type: none"> • No comments (0 points) • The comments do not describe the block of code 	<ul style="list-style-type: none"> • Major lack of comments makes it difficult to understand the code 	<ul style="list-style-type: none"> • One or two places could benefit from comments • The code is overly commented 	<ul style="list-style-type: none"> • Code is well commented