Computer Programming Summative Project Rubric

	Unsatisfactory	Satisfactory	Good	Excellent
Application	• Project does not include the required elements and/or does not reflect, at all, knowledge of the material. • Project is overly simplistic, not much to it. Thus, it fails to hold interest.	• Project includes most required elements and reflects, somewhat, knowledge of the material. • Project has enough complexity to make it somewhat interesting, but still a bit too simplistic. • Overly complicated just for the sake of being complicated.	• Project includes all required elements and reflects knowledge of the material. • Sufficiently complex and interesting to maintain interest. • Not complicated just for complexity's sake.	• Project includes all required elements presented in a highly original manner that reflects deep knowledge of the material. • Complex and very interesting, it's evident that complexity serves a purpose.
Coding Standards	• No name, date, or assignment title included • Poor use of whitespace (indentation, blank lines). • Disorganized and messy • Poor use of variables (many unnecessary variables, ambiguous naming, complete lack of proper variable scope and access level). • The whole program consists of the main method only.	• Includes name, date, and assignment title. • White space makes program fairly easy to read. • Organized work. • Good use of variables (few unnecessary variables, unambiguous naming, some proper use of variable scope and access level). • The program is somewhat modular with some method calls	• Includes name, date, and assignment title. • Good use of white space. • Organized work. • Good use of variables (almost no unnecessary variables, unambiguous naming, proper use of variable scope and access level for the most part). • The program is mostly modular with some room for improvement.	• Includes name, date, and assignment title. • Excellent use of whitespace. • Organized work. • Excellent use of variables (no unnecessary variables, unambiguous naming, proper use of variable scope and access level throughout). • The program is completely modular with more than one level of method calls (e.g. usage of helper methods.)

Documentation	• No documentation included.	• Basic documentation has been completed including descriptions of variables. • Purpose is noted for each method.	• Clearly documented including descriptions of variables. • Specific purpose is noted for each method and control structure.	• Clearly and effectively documented including descriptions of variables. • Specific purpose is noted for each method, control structure, input requirements, and output results.
Runtime	• Does not execute due to errors. • User prompts are misleading or non-existent. • No testing has been completed.	• Executes without errors. • User prompts contain little information, poor design. • Some testing has been completed.	• Executes without errors. • User prompts are understandable, minimum use of symbols or spacing in output. • Thorough testing has been completed	• 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.
Efficiency	• A difficult and inefficient solution.	• A logical solution that is easy to follow but it is not the most efficient.	• Solution is efficient and easy to follow (i.e. no confusing tricks).	• Solution is efficient, easy to understand, and maintain.
Presentation	• Does not present information, ideas, and findings clearly, concisely, and logically. • Fails to increase audience understanding of knowledge of topic. • Does not address audience questions (goes off topic or misunderstands without seeking clarification) • Does not have grasp of information and cannot answer questions about subject.	• Presents information, ideas, and findings in a way that is not always clear, concise, and logical. • Raises audience understanding and knowledge of some parts. • Is uncomfortable with information, answers audience questions, but not always clearly or completely. Not always to the point and rambles.	• Presents information, ideas, and findings clearly, concisely, and logically. • Raises audience understanding and awareness of most parts. • Is at ease with expected answers to all questions, but occasionally does so without meaningful and concise elaboration. Seeks clarification when needed.	• Presents information, ideas, and findings clearly, concisely, and logically. • Significantly increases audience understanding and knowledge of topic. • Demonstrates full knowledge by answering all class questions with explanations with meaningful and concise elaboration. Seeks clarification when needed.

Participation (presentation)	• Not all team members speak.	• All team members speak, but not equally.	• All team members participate for about the same length of time	• All team members participate for about the same length of time • All team members are able to answer questions about the topic as a whole, not just their part of it.
Participation (Project Development) ***To be determined by teammates if applicable**	• Did not contribute to the overall group effort.	• Contribution to the overall group effort was minimal.	• Made some meaningful contributions to the overall group effort.	• Made insightful and meaningful contribution to the overall group effort.