



Assessment Tools Rubric

A rubric similar to the example below can be used to assess the quality of a project in Section 3.

	<i>Expectation: The student...</i>	Level 1	Level 2	Level 3	Level 4
Knowledge of Concepts	Names, declares and uses variables and constants correctly in the application.	<ul style="list-style-type: none"> names, declares and uses variables and constants incorrectly throughout the application 	<ul style="list-style-type: none"> names, declares and uses variables and constants correctly in parts of the application 	<ul style="list-style-type: none"> names, declares and uses variables and constants correctly in most of the application 	<ul style="list-style-type: none"> names, declares and uses variables and constants correctly throughout the application
Understanding of Concepts	<p>Uses the appropriate data type for the variables in the program.</p> <p>Adds all the required controls and elements to the application interface.</p>	<ul style="list-style-type: none"> selects the correct data type for few of the required variables adds few of the required controls and elements to the application interface 	<ul style="list-style-type: none"> chooses the correct data type for some of the required variables adds some of the required controls and elements to the application interface 	<ul style="list-style-type: none"> selects the correct data type for most of the required variables adds most of the required controls and elements to the application interface 	<ul style="list-style-type: none"> uses the correct data type for all or almost all of the required variables adds all of the required controls and elements to the application interface
Use of Procedures	Demonstrates the ability to construct assignment statements and arithmetic expressions.	<ul style="list-style-type: none"> constructs assignment statements and arithmetic expressions with little success 	<ul style="list-style-type: none"> demonstrates some ability to construct assignment statements and arithmetic expressions 	<ul style="list-style-type: none"> constructs assignment statements and arithmetic expressions with considerable success 	<ul style="list-style-type: none"> demonstrates extensive ability to construct assignment statements and arithmetic expressions
Design/Creativity Skills	Applies design concepts when creating a application interface.	<ul style="list-style-type: none"> applies design concepts in a limited way 	<ul style="list-style-type: none"> uses design concepts with some effectiveness 	<ul style="list-style-type: none"> applies design concepts with considerable effectiveness 	<ul style="list-style-type: none"> uses design concepts with a high degree of effectiveness
Communication Skills	Explains and adds clarity to the program by including internal documentation in the form of comments.	<ul style="list-style-type: none"> adds comments that do little to explain or clarify the program 	<ul style="list-style-type: none"> contributes comments that moderately explain and clarify the program 	<ul style="list-style-type: none"> adds comments that help explain and clarify the program 	<ul style="list-style-type: none"> contributes comments that clearly explain and add a high degree of clarity to the program
Application of Concepts	<p>Produces a solution that meets the required specifications.</p> <p>Applies a suitable programming style to enhance the readability and organization of the program</p>	<ul style="list-style-type: none"> produces a solution that meets few of the required specifications applies little programming style to enhance readability and organization of the program 	<ul style="list-style-type: none"> provides a solution that meets some of the required specifications implements a programming style which adds somewhat to the readability and organization of the program 	<ul style="list-style-type: none"> produces a solution that meets most of the required specifications applies sufficient programming style to considerably enhance the readability and organization of the program 	<ul style="list-style-type: none"> develops a solution that meets the required specifications uses a programming style that greatly enhances the readability and organization of the program