

Item	Possible Points	Earned Points	Notes
Program design for Project 3-1 <ul style="list-style-type: none"> • Program design is appropriate for the specifications • A correct class diagram is provided for all classes (not needed for the main program class and not required for this project) • Design documentation reflects actual logic of code • All methods are documented • No diagram is larger than one page (8 ½ by 11 inches with ½ inch margins on all sides) • If using flowcharts to diagram the logic: <ul style="list-style-type: none"> ○ Each flowchart begins and ends with a terminator symbol Note: the main method beginning terminator contains the word <code>main()</code>. The main method ending terminator contains the word <code>return</code>. Because you do not write the code that calls the main method, you will not have any flowcharts where the beginning terminator contains the word <code>START</code> and the ending terminator contains the word <code>END</code>. ○ The appropriate symbol is used ○ Only one task per process symbol (the rectangle); each variable declaration should be in its own symbol; show the entire formula for calculations ○ Every symbol (except a terminator) has at least one flowline leading to it and one and only one flowline leading from it. • If using structured pseudocode to diagram the logic: <ul style="list-style-type: none"> ○ The pseudocode is appropriately indented ○ Each variable declaration is on its own line ○ The entire formula is shown for calculations ○ Selection and iteration blocks have a clear beginning and ending • If using Warnier Diagrams to diagram the logic: <ul style="list-style-type: none"> ○ Braces are appropriately labeled ○ Each variable declaration is on its own line ○ The entire formula is shown for calculations 	5		
Program design for Project 3-2 (same as program design for Project 3-1)	5		
Following coding standards: <ul style="list-style-type: none"> • Code restricted to 80 columns • Follows naming conventions for classes, variables, methods, and constants • Appropriate comment block at top of program file (may use javadoc conventions) • Methods appropriately commented (may use javadoc conventions) • Variables have meaningful names • Braces align correctly • Control statements formatted correctly 	5		
Output is presented as shown (including spelling and spacing)	2		

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Code: <ul style="list-style-type: none">• Reflects material covered through Chapter 3• Good coding style	3		
Penalties: <ul style="list-style-type: none">• Incorrect calculations• No proof that the calculations are correct• Some test data not used• Reflects material outside what has been covered through Chapter 3	-20		
Total	20	0.0	