

CIS 1111 Final Project - Assignment Instructions

As part of your final assessment in this course, you are to design and develop a program of your own design and choosing. There is a list of ideas below, but you can come up with your own idea. Read all the instructions very carefully and review the grading rubric for this assignment. The grading rubric will be used to grade your final project.

Your final program must be **original and not based on any assignments in this or any other course or programs found on the internet**. This project is also assessing your ability to problem solve.

Suggested Topics:

<ul style="list-style-type: none"> Statistics (sports, video games, etc...) Business (accounting, warehousing, retail, etc...) 	<ul style="list-style-type: none"> Home inventory system (inventory your belongings, your film collection, your music collection, your antiques collection, etc...) 	<ul style="list-style-type: none"> Dictionary (Spanish-English, Thesaurus, Quotes, rhymes, Scrabble, etc...) 	<ul style="list-style-type: none"> Personal finance (Expense tracker, check book, Monthly budget) Personal development (calorie tracker, exercise log, to do list)
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Grading Rubric for This Assignment:

Criteria	Range – Low End (Did not do or did very little effort)	Range – High End (Used correctly and spent time/effort on programming)
Program documentation page Includes: Name and description of the project List of inputs/outputs Flowchart Instructions on how to use the program	0	5
Names of variables are meaningful and the program comments self-document the program.	0	5
Math operations (for max points use built-in math functions) NOTE: Increment does not count as a math operation.	0	5
Provide screen shots of the program executed with 3 sets of test data.	0	5
If / else or a switch statement (to get max points use nested if /elses)	0	5
Loops – 2 types (for max points use nested loops)	0	5
Validated user input	0	5
Save the data to a sequential data file and read from it	0	10
At least 3 functions appropriately passing parameters and returning values as needed (to get max points, overloaded function)	0	15

Two dimensional arrays or vectors	0	10
Formatted the output so it is easy to read and aligned	0	5
The program executes without error and the output is correct	0	10
Overall effort and complexity	0	10
The zipped program folder and screens shots of the code and console are uploaded to dropbox.	0	5
Total Points Possible	0	100