CIS 1111 Midterm Project Instructions

For your midterm project, you are to design and develop a new, original program of your own choosing. You may choose from the list of suggested topics below or use your own idea. Read all the instructions very carefully and review the grading guidelines for this assignment. Your work will be graded according to the grading guidelines presented below.

Your midterm project **must be original and not based on any assignments or programs found on the internet.** The midterm project is also assessing your ability to problem solve.

Suggested Topics:

- Professional sports
- Fitness
- Restaurant

- Cash register
- Foreign currency converter
- Check book

- Exercise log
- Calorie counter
- Cell phone bill calculator

- Math tutor / flash cards
- Story generator

Grading Guidelines 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
  Instructions on how to use the program
Submit the documentation as a Word file or a PDF
  Flowchart
	0	10

Used variables of multiple types (int, char, string, double). Used constants if appropriate.	0	5
Names of variables are meaningful and the program comments self-document the code.	0	5
Entered data from the keyboard and validated the data.	0	5
Nested if statement or a switch statement	0	15
Process the data (uses math formula; for maximum points include math library functions)	0	10
Formatted the output so it is easy to read and aligned	0	10
The program executes without error and the output is correct	0	15
Overall effort and complexity	0	15
The zipped program folder and screen shots of 3 sets of data are uploaded to the drop box.	0	10
Total Possible Points	0	100