ENGR142 Grade Report: Programming HW 01

Name	Kathryn Atherton	**Total Points Earned**	13
Team	45	**Total Points Possible**	40
Grader	Peter Jones	**Percentage Earned**	32.5%

Grading System Message(s)	Individual Assignment Grade Wrong file name: PHW01_katherto

Does the Programming Presentation Method Algorithm:	**Pass**	**Part.**	**Fail**
Have correct filename?	**0**	NA	-0.5
Have a detailed and accurate description of the problem?	2	1	**0**
Include a list of the input and output variables, with a description of their meanings?	1	0.5	**0**
Have a numbered listing of given equations or derivations necessary for solving the problem?	2	1	**0**
Have a flowchart that is programming language independent?	**1**	0.5	0
Have a flowchart that shows a logical solution to the given problem?	**2**	1	0
Correctly use an example to demonstrate the execution of the algorithm.	2	1	**0**
Use correct formatting	**0**	-0.5	-1
Subtotal	**3.0**	**of**	**10**

Does the program:	**Pass**	**Part.**	**Fail**
Have correct filename?	**0**	NA	-0.5
Have no code standard Issues?	**0**	NA	-0.5
Correctly input and parse data from user-defined filename, in addition to closing the input file prior to termination?	2	1	**0**
Have the ability to handle an indefinite number of seats?	2	1	**0**
Calculate distance from stage to seat?	2	1	**0**
Calculate decibel level at each seat?	2	1	**0**
Decide whether amplification is needed for each seat?	2	1	**0**
Output total number of seats analyzed?	1	0.5	**0**
Output all seat coordinates, distance, decibel level and need for amplification?	2	1	**0**
Error trap for common errors that could occur?	2	1	**0**
Subtotal	**-**	**of**	**15**

Test Case 1

Input	**Output**	**Pass**	**Part.**	**Fail**
155.4 23.0 38.2	Total number of seat locations analyzed: 1 x y z coordinates given were: 155.4 23.0 38.2 ft distance to the origin is: 161.67065 ft decibel level at the seat is: 55.827373 amplification is needed for this seat.	1	NA	**0**

Test Case 2

Input	**Output**	**Pass**	**Part.**	**Fail**
54.2 -28.2 43.7	Total number of seat locations analyzed: 1 x y z coordinates given were: 54.2 -28.2 43.7 ft distance to the origin is: 75.11704201 ft The decibel level at the seat is: 62.48523044 Sound amplification is not needed for this seat.	1	NA	**0**

Test Case 3

Input	**Output**	**Pass**	**Part.**	**Fail**
1000.0 90.0 103.4 133.1 23.2 19.3 201.0 14.2 19.1	Total number of seat locations analyzed: 3 x y z coordinates given were: 1000.0 90.0 103.4 ft coordinates are invalid. The x y z coordinates given were: 133.10 23.20 19.30 ft The distance to the origin is: 136.478350 ft The decibel level at the seat is: 57.298725 Sound amplification is needed for this seat. The x y z coordinates given were: 201.00, 14.20, 19.10 ft The coordinates are invalid.	1	NA	**0**

Test Case 4

Input	**Output**	**Pass**	**Part.**	**Fail**
0.0 0.0 0.0	Total number of seat locations analyzed: 1 x y z coordinates given were: 0.0 0.0 0.0 ft distance to the origin is: 0 ft The coordinates are invalid OR The decibel level cannot be calculated	1	NA	**0**

Test Case 5

Input	**Output**	**Pass**	**Part.**	**Fail**
100.0 0.0 0.0	Total number of seat locations analyzed: 1 x y z coordinates given were: 100. 0 0.0 0.0 ft The distance to the origin is: 100 ft The decibel level at the seat is: 60.0 Sound amplification is not needed for this seat.	1	NA	**0**
Subtotal		**-**	**of**	**5**

Does team reflection:	**Pass**	**Part.**	**Fail**
Have correct filename?	**0**	NA	-0.5
Appear in same file as individual reflection?	**1**	NA	0
Discuss positive and negative aspects of each programming language?	**2**	1	0
Address different opinions and perspectives that were discussed?	**1**	NA	0
Discuss suitability of particular languages?	**1**	NA	0
Does individual reflection:	**Pass**	**Part.**	**Fail**
Discuss personal discoveries about pros and cons using the selected language to solve the problem?	**2**	1	0
Contain short bulleted list of constructs they have and have not mastered?	**2**	1	0
Have correct formatting and length? (>200 words team and >200 words individual)	**1**	0.5	0
Subtotal	**10.0**	**of**	**10**

Total	**13 of 40**

Grader Comments

No program was submitted and the algorithm was only a flowchart and therefore no points could be given for things other than that included.