

EEL 4851-001 Data Structures Assignment Grading Rubric

NAME: _____

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| Writeup (Max Total 5) | Flowchart 0.0: No flowchart or just one global level flowchart. 0.5: Flowchart for each function exists, but not detailed enough. 1.0: Detailed flowchart presented and it is clear that the flowchart was not created as an after thought. | |
| | Description of usage 0.0: No guidance on how someone would run and execute the program. 0.5: Some guidance is provide but all possible interaction modes are not described. 1.0: Very detailed guidance is provided to an user including all failure modes. | |
| | Results 0.0: No results are presented. 0.5: Results are presented with no discussion. Only a couple of test cases presented. 1.0: Evidence of extensive testing along with comprehensive discussion on a some test cases. | |
| | Programming bugs and errors 0.0: No programming bugs and errors listed. 1.0: Programming bugs and errors that cropped are clearly documented. | |
| | Overall presentation. 0.0: Poor job. Looks likes a report prepared within the last 8 hours. 0.5: Includes all parts, but lots of grammar and spelling mistakes, with poor document structure. 1.0: Excellent document structure. Little or no spelling and grammar mistakes. Easy to read and understand. Documents well the assignment experience. | |
| | Source code (Max Total 5) | The existence of the code itself 0.0: No code submitted. 0.5: Part of the required code submitted. 1.0: All components have been submitted. |
| Proper indentation of the code 0.0: Little or no proper indentation of code. 0.5: Proper indentation at some places. 1.0: Proper indentation everywhere. The code looks pretty. | | |
| Comments 0.0: Less than 10 sentences of comments throughout the program. 0.5: More than 10 sentences of comments but the comments are too sparse and too little. It is not possible to understand the logical flow of the program from the comments. 1.0: Well written comments at appropriate places. One can understand the logic of the program just by reading the comments. All exceptions, special cases, limitations are outlined. | | |
| Proper naming of the procedures, functions, and variables, 0.0: Lots of single or two letter and meaningless names used. 0.5: Some of the names are meaningful and some are meaningless. 1.0: Naming method used is sound. The functions and variables do and represent what they mean. | | |
| Modularity of the code. 0.0: Have functions that are longer than a page. Very few functions and procedures used. 0.5: Some parts of the code are modular and some are not. 1.0: The overall program has been broken down in small and meaningful units that are well put together. | | |
| DEMO (Max Total 10) | | 0.0: The code does not compile. There are syntax errors. 1.0: The code compiles but it crashes upon running. 2.0: The code compiles and executes (does not crash). 3.0: The code executes and does not crash upon erroneous user interaction. 4.0: The code executes, does not crash upon erroneous user interaction, and it has excellent user interaction. 4.0 to 10.0: Grading is proportional to the required functionalities that have been coded (and runs) correctly. |