





CS 300 Module Two Assignment Rubric



Activity: 2-3 Assignment: Vector Sorting

Course: CS-300-11942-M01 DSA: Analysis and Design 2025 C-2 (Mar - Apr)

Name: JASON Hney

Criteria	Proficient	Needs Improvement	Not Evident	Criterion Score
Code Reflection	25 points Describes purpose of code, techniques implemented to solve problem, challenges encountered, and approaches to overcome the challenges 	17.5 points Lacks details in code purpose, techniques implemented, or challenges encountered	0 points Does not explain purpose of code, techniques used, or challenges encountered	25 / 25
Criterion Feedback You thoroughly described the purpose of the code, identified challenges, resolved them, and implemented techniques to solve the problem.				
Pseudocode or Flowchart	10 points Pseudocode or flowchart is clear and understandable and captures accurate logic to translate to the programming language 	7 points Pseudocode or flowchart has errors or omissions that affect its clarity or understandability, or the logic to translate to the programming language is inaccurate or incomplete	0 points Pseudocode or flowchart does not contain the logic to translate to the programming language	10 / 10

Criteria	Proficient	Needs Improvement	Not Evident	Criterion Score
<p>Criterion Feedback</p> <p>Update:</p> <p>Grade adjusted based on resubmission. Remember, you don't have to do the whole program.</p> <p>---</p> <p>Great start, Jason.</p> <p>The assignment only requires that you write pseudocode or flowcharts for the functions you create (Quick Sort and Selection Sort). Most of this is already provided for you as pseudocode in the student data file. You should have more detail in the pseudocode as it should translate to one or two lines of actual programming code at most. You do not have to do the entire program, which makes your life easier.</p> <p>You can do flowcharts if you want, but most students elect to do pseudocode because it gets extremely complicated as we move through the course.</p> <p>You may correct and resubmit.</p>				
Specifications and Correctness: Algorithm	20 points All algorithm specifications are met completely and function in all cases 	14 points Details of the specifications are violated, or program often exhibits incorrect behavior	0 points Program only functions correctly in very limited cases or not at all	20 / 20
<p>Criterion Feedback</p> <p>Your algorithm and code specifications were met completely and functioned correctly in all cases.</p>				
Specifications and Correctness: Data Structure	20 points All data structure specifications are met completely and function in all cases 	14 points Details of the specifications are violated, or program often exhibits incorrect behavior	0 points Program only functions correctly in very limited cases or not at all	20 / 20

Criteria	Proficient	Needs Improvement	Not Evident	Criterion Score
Criterion Feedback Your data structures and code specifications were met completely and functioned correctly in all cases.				
Annotation and Documentation	10 points Code annotations explain and facilitate navigation of the code	7 points Comments provide little assistance with understanding the code 	0 points Code annotations do not explain the code or do not facilitate navigation of code, or code is not fully or logically annotated	7 / 10
Criterion Feedback Your code comments explained and facilitated some of the navigation of the code. You should include inline comments for the major steps in your code you create as is industry-standard best practice. Most of this is already provided for you. You may correct and resubmit.				
Modular and Reusable	10 points Methods are limited in scope and responsibility, and both algorithms and data structures are implemented in such a way that they can be reused in other programs 	7 points Methods have errors in scope or responsibility, or algorithms or data structure are overly tied to the specific program	0 points No attempt was made to develop modular or reusable code	10 / 10
Criterion Feedback Your methods, algorithms and structures were properly contained and reusable.				

Criteria	Proficient	Needs Improvement	Not Evident	Criterion Score
Readability	5 points Code follows proper syntax and demonstrates deliberate attention spacing, whitespace, and variable naming ✓	3.5 points Code contains variations from established syntax and conventions	0 points Code contains significant variations from established syntax and conventions	5 / 5
<div>Criterion Feedback</div> <div>Your code followed industry standard practices for naming, spacing, and indentation.</div>				

Total	97 / 100
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Overall Score

Proficient ✓

Needs Improvement

Not Evident