CS 300 Module Five Assignment Rubric

Activity: 5-2 Assignment: Binary Search Tree

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

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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
Criterion Feedback Your pseudocode was clear, understandable, and captures accurate logic to translate to the programming language.				
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
Criterion Feedback Your algorithm and code specifications were met completely and functioned correctly in all cases.				
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
Criterion Feedback Your data structures and code specifications were met completely and functioned correctly in all cases.				

Criteria	Proficient	Needs Improvement	Not Evident	Criterion Score
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	10 / 10

Criterion Feedback

Your code comments explained and facilitated the navigation of the code. It was very easy to follow your coding steps.

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

Criterion Feedback

Your code followed industry standard practices for naming, spacing, and indentation.

Total	100 / 100

Overall Score

Proficient ✓	Needs Improvement	Not Evident