

SWE5123 – Project 4

Grading Rubric

Structure	10
Test / Results	10
Correctness	20
Other issues	10
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Maximum points	50

Program structure:

1. Templated definitions required for appropriate nonmember method implementations. - 1 per miss.
2. Value and reference parameters: Input only - value; otherwise - reference. -2 once
3. Global variables : AVOID THEM unless you can justify their need.
4. Helper methods should be properly managed. -2 per miss.
5. Comparator must handle both directions of total order relation management. -2 once.

Test / Results :

1. The test input should be good. (Should not be already sorted by priority.) If only sorted input or simplistic data is used, -2.
2. At least four (preferably more) tests are needed.
3. Output wrong => logic error. Look for and FIND it. Output right => There may or may not be any logic errors. Still look / study carefully.
4. Sample test data in the provided driver MUST be used for one test. If not, -2.

Correctness / Data Structure:

1. Design of comparator algorithm should properly handle all valid priorities, or document any exceptions. -2 otherwise
2. Driver should make proper use of methods to prevent invalid method calls. -2 per instance.
3. Design of non-member functions to modify priority_queue should not impact the data. -5 otherwise.
4. Operator additions to PriorityString will be needed. Document any change you make. -5 otherwise.