**SWE5123 – Project 4**

**Grading Rubric**

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| --- | --- |
| **Structure** | 10 |
| **Test / Results** | 10 |
| **Correctness** | 20 |
| **Other issues** | 10 |
| **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.