**Scoring Rubric for Project 8: Containers**

*Due 11/21/2019 @ 3:30 pm*

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| Student Name: Echo Liu |

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|  | **Score** | **Maximum** |
| **Execution (50 pts):** | | |
| Program compiles without errors (warnings are okay) | 50 | **50** |
| **Implementation (45 pts):** | | |
| Implements the Data class with at least 4 data members, overloads the output stream operator, and overloads the comparison operators (< or >). | 5 | **5** |
| Reads the dataset into Data objects then inserts them into STL Stack container properly | 10 | **10** |
| Reads the dataset into Data objects then inserts them into STL Queue container properly | 10 | **10** |
| Reads the dataset into Data objects then inserts them into STL Priority Queue container properly | 10 | **10** |
| Writes out the contents of the stack, queue, and priority queue into separate text files | 8 | **10** |
| **Style (5 pts):** | | |
| The driver and functions are easy to follow based on the use of comments | 3 | **3** |
| Easily identifiable variable names | 2 | **2** |
| **Total (100 pts):** | 98 | **100** |

Notes:

The first line of your file is a header so when you try to read it in and convert it to double, the program quits. This also happens on line 71 of your input data because there is an extra comma. You just need to delete this line and the extra comma from the file and it will run correctly.

You also accidentally print the contents of the stack to the sorted list. If you change it to print to aStack instead of aPriority, it works fine.