**Scoring Rubric for Project 7: Linked Lists, Stacks, Queue, Sorted Linked Lists, and Inheritance**

*Due 4/16/2020 @ 12:30 pm*

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| Student Name: |

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|  | **Score** | **Maximum** |
| **Execution (50 pts):** | | |
| Program compiles without errors (warnings are okay) | 45pointer being freed is not allocate | **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** |
| Implements the Stack class inheriting from LinkedList class; includes a default constructor, a member public function named “push\_head”, a member public function named “pop\_head”. | 15 | **15** |
| Implements the Queue class inheriting from LinkedList class; includes a private Node \*tail, a default constructor, a member public function named “enqueue\_tail”, a member public function named “dequeue\_head”. | 15 | **15** |
| Implements the SortedLinkedList class inheriting from LinkedList class and includes a member public function named “insertSorted” | - | **-** |
| Reads from CSV file and writes the content of the Stack, Queue, and SortedLinkedList classes into stacked, queued, sorted text files. | 10 | **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):** | 95 | **100** |

Notes: