Evaluation: Lab 7

Name: _____

□ (60 points) Proper K-Way Merge Implementation

- \Box (20 points) kway mergesort – divides input K ways and recursively calls kway mergesort on those K ways
- \Box (5 points) kwaymergesort stops dividing when input is of size 1
- \Box (5 points) kwaymergesort merges sorted K ways back together by calling merge and returns a sorted array of size input.length
- \Box (15 points) merge merges parts together by calling mergeTwo
- \Box (15 points) mergeTwo In O(n) time, merges array one and two together and returns array of length one.length + two.length
- \Box (10 points) All unit tests pass
- \Box (20 points) Pseudocode algorithm(s) present alongside Java code
- \Box (10 points) Plot committed to repository and shows $O(n \log n)$ curve.

Grade:

Notes: