Grading Criterion for Homework 2

Advanced Data Structures and Algorithms
CS 310, Fall 2010

Student Name: _____ **TA: Binh Tran**

Java Core Collection Interfaces	**Points**
Programming and Documentation List, Map, Set, and Queue (0 to 100 pts)	
1. Generate 100 integers randomly and keep those numbers in **(40 pts)**	1._____
a. Data structure of List **(10 pts)**	1a._____
b. Data structure of Map **(10 pts)**	1b._____
c. Data structure of Set **(10 pts)**	1c._____
d. Data structure of Queue **(10 pts)**	1d._____
2. Print those 100 integers correctly in **(40 pts)**	2._____
a. Ascending and descending orders using List **(10 pts)**	2a._____
b. Ascending and descending orders using Map **(10 pts)**	2b._____
c. Ascending and descending orders using Set **(10 pts)**	2c._____
d. Ascending and descending orders using Queue **(10 pts)**	2d._____
3. Report no less than 100 words which data structure works best for item 2 **(20 pts)**	3._____
4. Bonus (100 points)	4._____
- Implement the Factory Method using one of the data structures **(80 pts)**	4a._____
- Documentation explains how the Factory Method is used **(20 pts)**	4b._____
Deductions:	
1. Missing comments in major functions, not self-descriptive variable names and function names, unclear any explaination in the program **(-5 pts)**	1._____
2. No submition the outputs of the program **(-5 pts)**	2._____
3. Unbounded homework **(–5 pts)**	3._____
4. Incorrect submitted file name **(-5 pts)**	4._____
5. Missing citations/references (-100 pts)	5._____
6. No hard copies or soft copies (-100 pts)	6._____
Total Points (100 max):	1. _____

Comment :