

Assignment 1: Complexity and Sorting – Team Yunobo

As a group, evaluate your work against each criterion and assign yourselves a mark for each row. If you would like, provide a short explanation for the self-assigned mark in the Notes column.

Note: If your program (the jar file and/or eclipse project) does not run due to compilation, runtime or logic errors, you will receive an automatic zero grade on this assignment!

	Needs Improvement (0–50%)	Good (51–75%)	Excellent (76–100%)	Group-Assigned Mark	Notes
Working Code	<ul style="list-style-type: none">• Command line does not work properly and does not generate the objects	<ul style="list-style-type: none">• Command line works and partially generates the objects	<ul style="list-style-type: none">• Command line works properly and generates the objects	10/10	
Style	<ul style="list-style-type: none">• Sorting algorithms don't work on list of Comparables	<ul style="list-style-type: none">• Sorting algorithms partially work on a list of Comparables	<ul style="list-style-type: none">• Sorting algorithms work on a list of Comparables	5/5	
Testing	<ul style="list-style-type: none">• Comparable/Comparator not implemented correctly	<ul style="list-style-type: none">• Comparable/Comparator partially implemented	<ul style="list-style-type: none">• Comparable/Comparator implemented correctly	5/5	
OOP Models	<ul style="list-style-type: none">• Didn't use correct OOP modelling of objects	<ul style="list-style-type: none">• Used somewhat correct OOP modelling of objects	<ul style="list-style-type: none">• Used correct OOP modelling of objects	5/5	

Java Conventions	<ul style="list-style-type: none"> • Incorrect naming and packaging of classes according to Java standards 	<ul style="list-style-type: none"> • Partially correct naming and packaging of classes according to Java standards 	<ul style="list-style-type: none"> • Correct naming and packaging of classes according to Java standards 	5/5	
Bubble	<ul style="list-style-type: none"> • Bubble sort not implemented in utility class 	<ul style="list-style-type: none"> • Bubble sort implemented partially in utility class 	<ul style="list-style-type: none"> • Bubble sort implemented in utility class 	5/5	
Selection	<ul style="list-style-type: none"> • Selection sort not implemented in utility class 	<ul style="list-style-type: none"> • Selection sort implemented partially in utility class 	<ul style="list-style-type: none"> • Selection sort implemented in utility class 	5/5	
Insertion	<ul style="list-style-type: none"> • Insertion sort not implemented in utility class 	<ul style="list-style-type: none"> • Insertion sort implemented partially in utility class 	<ul style="list-style-type: none"> • Insertion sort implemented in utility class 	5/5	
Merge	<ul style="list-style-type: none"> • Merge sort not implemented in utility class 	<ul style="list-style-type: none"> • Merge sort implemented partially in utility class 	<ul style="list-style-type: none"> • Merge sort implemented in utility class 	10/10	
Quick	<ul style="list-style-type: none"> • Quick sort not implemented in utility class 	<ul style="list-style-type: none"> • Quick sort implemented partially in utility class 	<ul style="list-style-type: none"> • Quick sort implemented in utility class 	10/10	

Choice	<ul style="list-style-type: none"> Student's choice of sorting algorithm not implemented in utility class 	<ul style="list-style-type: none"> Student's choice of sorting algorithm partially implemented in utility class 	<ul style="list-style-type: none"> Student's choice of sorting algorithm correctly implemented in utility class 	5/5	
Analysis	<ul style="list-style-type: none"> Description and complexity analysis are unclear 	<ul style="list-style-type: none"> Description and complexity analysis are partially clear 	<ul style="list-style-type: none"> Description and complexity analysis are clear 	5/5	
Output	<ul style="list-style-type: none"> Sort Output is dissimilar to expected 	<ul style="list-style-type: none"> Sort Output is somewhat similar to expected 	<ul style="list-style-type: none"> Sort Output matches what is expected 	5/5	
Benchmarking	<ul style="list-style-type: none"> Incorrect timing of sorts shown 	<ul style="list-style-type: none"> Somewhat correct timing of sorts shown 	<ul style="list-style-type: none"> Correct timing of sorts shown 	5/5	
Documentation	<ul style="list-style-type: none"> No Readmes/Instructions or javadoc documentation submitted 	<ul style="list-style-type: none"> Some Readmes/Instructions and javadoc documentation submitted 	<ul style="list-style-type: none"> All Readmes/Instructions and javadoc documentation submitted correctly 	5/5	

Group Evaluation	<ul style="list-style-type: none">• No group application evaluation submitted.	<ul style="list-style-type: none">• Some parts of the group application evaluation submitted.	<ul style="list-style-type: none">• All parts of the group application evaluation submitted.	5/5	
Total				95/95	