CS310 Data Structures Java Programming Assignment 7 Rubric

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Java Program:			_	
Rating	Exemplary	Partially Proficient	Basic (needs work)	Not Demonstrated
Rating Category	D 1 (1 DE:			
Random List	Random (unordered) lists are	A few minor errors only.	1	Fails completely.
Generation	correctly re-generated for each of		more major error(s).	
	the three repeat cycles.			
Pts		11 - 9	8 - 1	0
Sorting	Demonstrates understanding of	Sorts incorrectly, for a minor	Sorts incorrectly, for multiple	Sort not implemented at all
Implementation:	the bubble or slection sort and	reason.	minor reasons, or for a major	
Method 1	implements the sort correctly.		reason.	
Pts		13 - 10	9 - 1	0
Sorting	Demonstrates understanding of	Sorts incorrectly, for a minor	Sorts incorrectly, for multiple	Sort not implemented at all
Implementation:	the insertion or shell sort and	reason.	minor reasons, or for a major	
Method 2	implements the sort correctly.		reason.	
Pts		13 - 10	9 - 1	0
Sorting	Demonstrates understanding of	Sorts incorrectly, for a minor	Sorts incorrectly, for multiple	Sort not implemented at all
Implementation:	the merge or quick sort and	reason.	minor reasons, or for a major	
Method 3	implements the sort correctly.		reason.	
Pts	14	13 - 10	9 - 1	0
Sort Validation	Validates that each sort produces	A few minor errors only.	Many minor errors, OR one or	Sorts not validated.
	a list in correct sorted order.	-	more major error(s).	
Pts	12	11 - 9	8 - 1	0
Timing Results	Timing results computed, stored,	A few minor errors only.	Many minor errors, OR one or	Fails to output any timing
	and output correctly. Averages		more major error(s).	results or averages.
	computed and output correctly.			
Pts	12	11 - 9	8 - 1	0
Documentation		Most of the documentation	Parts of the documentation /	No documentation /
	and clearly describes the purpose		comments are helpful.	comments are visible or the
	of the code.	program and the comments are	1	documentation is not helpful
		somewhat helpful.		in describing the program.
				and the second s
Pts	s 10	9 - 7	6 - 2	1 - 0
Java Constructs /	Demonstrates understanding of	There are minor construct,	There are major construct,	The code is extremely hard
Readability /	program structure. Code is	readability or other	readability or other	to read and follow.
Miscellaneous	organized and easy to follow,	miscellaneous issues.	miscellaneous issues.	to read and rone w.
Miscenaneous	with no issues, and there is no	imsechaneous issues.	misconaneous issues.	
	unnecessary code.			
D.	,	0.7	()	1 0
Analysis of Conting		9 - 7	Many minor arrang OP, and or	1 - 0
Analysis of Sorting	Analyzed results each sorting	Minor error(s) only.	Many minor errors, OR one or more major error(s).	Analysis not submitted.
Methods	method, for 3 runs. Includes a logical conclusion.		more major error(s).	
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Pts	14	13 - 11	10 - 1	0
		Java Program SubTotal	(any late points deducted will	be based upon this subtotal
Deductions				
Delivery	Submitted on time	Submitted 1-2 days late	Submitted 3-5 days late	Not submitted within 5 days
		(2% deducted per day late)	(2% deducted per day late)	of due date
Late Deductions	0	-2% to -4%	−6% to −10%	-100% (no credit)
Points Grand Total	100		•	· · · · · · · · · · · · · · · · · · ·
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