

Code Review Defect List

Reviewer: Joel Wetzsteon

GH Repo: github.com/jwetzste/jwetzste_review

ID #	Location	Problem Description	Problem	
	File and Line Number		Category	Severity
FD	SortDemoData.java line 103	Program outputs "Merge Sort" when quick sort is called	FD	MJ
3	Sort Demo Data.java lines 80 - 113	Switch statement	CS	Low
1	Sort Demo Data.java line 85	Case 0 can be omitted because it is the same as else case	CS	Low
FD	Sort Algos. java line 27	Bubble sort does not sort last element in given set. For loop doesn't reach end of array	FD	BR
4d	Sort Algos. java multiple	Private methods should be prefixed by a leading underscore.	CG	Low
4d	Sort Demo. java multiple	Private variables and methods should be prefixed by a leading underscore	CG	Low
1	All except Random Numb. multiple	Source code files must have a proper file banner following accepted template template.	CG	Low
1	Sort Algos. java multiple	int bottom, Item temp, int first, int last reused multiple times, can be declared external to methods	CS	Low
7	Sort Algos. java multiple	Public methods should be placed before private methods	CG	Low
5	Sort DemoTest. java Line 14	data should be a private variable, not encapsulated	CG	Low
8a	Sort Algos. java 130, 132, More in other methods	All complex statements must use $\{ \}$ even if just a single line.	CG	Low

Category: CS – Code Smell defect. CG – Violation of a coding guideline. Provide the guideline number. FD – Functional defect. Code will not produce the expected result. MD – Miscellaneous defect, for all other defects.

Severity: BR - Blocker, must be fixed asap. MJ – Major, of high importance but not a Blocker LOW – Low.