

Code Review Defect List

Reviewer: Neil Sabott (nsabott)

GH Repo: https://github.com/nsabott/nsabott_review.git

ID #	Location	Problem Description	Problem	
	File and Line Number		Category	Severity
0	SortAlgos.java Lines 20-36	Bubble sort not correctly sorting values (especially in dealing with negative values)	FD	BR
1	SortDemoData.java Lines 9-10	Attributes "myArray" and "algo" are not private variables	CG5	MJ
2	Item.java Line 4	Attribute "key" is not a private variable, and will need getters and setters	CG5	MJ
3	SortDemoData.java Lines 84-113	Switch statement is used	CS3	LOW
4	SortDemo.java	Order of methods/attributes against coding guidelines	CG7	LOW
5	All files	None of these files have file banner comment present	CG1	LOW
6	All files	None of these files have appropriate class banner comments present	CG2	LOW
7	SortDemo.java Lines 84-88	This method is only used once and is too small for its own method	CS5	LOW
8	Main.java Line 31	The program should perform some sort of validation of numbers before proceeding. A user should not be allowed to enter invalid input and continue	FD	MJ
9	Main.java Lines 18-65	This main method is too long and should be outsourced to smaller methods	CS9	LOW
10	SortDemoData.java Lines 53-69	This else statement should toss duplicate values	FD	BR
11	SortAlgos.java Line 157	This method has too many parameters	CS8	LOW
12	SortDemoData.java Line 103	The "algo" variable is stored with the wrong sorting method name	FD	BR
13	SortAlgos.java	This class is too long and individual sorting methods should have their own class	CS2	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.