

Code Review Defect List

Reviewer: Taylor Dameff

GH Repo:
https://github.com/tdameff/tdameff_review.git

ID #	Location	Problem Description	Problem	
	File and Line Number		Category	Severity
1	SortAlgos.java Line 27	The bubble sorting algorithm does not properly sort because the first and second for loops do not start at index 0	FD	MJ
2	Item.java	Lazy class: This class does too little	CS-5	LOW
3	Item.java	Source file does not have a file banner comment	CG-1	LOW
4	SortDemoData.java Line 79	Code Smells: switch statement	CS-3	LOW
5	SortDemoData.java Line 103	Functional Defect: Switch calls "merge sort" instead of quick sort	FD	MJ
6	Item.java Line 4	Variable 'key' should be private with get/set methods	CG-5	LOW
7	RandomNumber.java Line 31-47	The classes should be in order of constants then constructors. A method, 'RandomNumber' comes before the constructor	CG-7	LOW
8	RandomNumber.java Line 37	Invalid naming convention: method should be named 'randomNumber'	CG-4	LOW
9	SortAlgos.java Line 130, 132, 145	Complex statements should use explicit {} even if the body is a single line	CG-8	LOW
10	SortDemoData.java Line 9 and 10	All attributes should be private. These would need get/set method	CG-5	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.