**Code Review Defect List**

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| **Reviewer: \_\_\_\_\_\_Andrew DeVore\_\_\_\_\_\_\_\_\_\_\_** | | | | **GH Repo: \_\_\_\_\_\_akdevore\_review\_\_\_\_\_\_** | | | |
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| **ID #** | **Location** | | **Problem Description** | | **Problem** | | |
| **File and Line Number** | | **Category** | **Severity** | |
| 1 | SortDemo.java  Line 1 | | No File Banner present | | CG 1 | Low | |
| 2 | SortDemo.java  Line 20 | | No Class Banner present | | CG 2 | Low | |
| 3 | Item.java  Line 4 | | Non-private attribute | | CG 5 | MJ | |
| 4 | RandomNumber.java  Lines 21-26 | | Private class member variables should be last, not first | | CG 7f | Low | |
| 5 | RandomNumber.java  Line 31 | | Private variable not preceded by an ‘\_’ character | | CG 4d | Low | |
| 6 | Item.java | | Lazy Class, only stores a single integer value | | CS 5 | MJ | |
| 7 | SortAlgos.java  Lines 20-36 | | Bubble Sort method does not take into account the “last” value in the array | | FD 5 | BR | |
| 8 | SortDemo.java  Lines 36, 83, 92, 96 | | All methods are lacking a Method Banner | | CG 3 | Low | |
| 9 | SortDemoData.java  Line 120 | | Literal is used, should be declared as a constant | | CG 6 | Low | |
| 10 | SortDemoData.java  Lines 88-117 | | Switch statements | | CS 3 | MJ | |
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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.