**Code Review Defect List**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Reviewer: Robert King** | | | | **GH Repo: Rdking4\_review** | | | |
|  | | | |  | | | |
|  | | | |  | | | |
| **ID #** | **Location** | | **Problem Description** | | **Problem** | | |
| **File and Line Number** | | **Category** | **Severity** | |
| 1A | SortDemoData.java 64 | | Functional defect. The program does not remove duplicate items from the array | | FD | MJ | |
| 6C | SortDemoData.Java 84 | | Code Smell the program uses a switch statement to determine the outcome of an entry | | CS | Low | |
| 11D | SortAlgos.java 111, 114 | | Coding Standards the end brace for the while and if statements are not on their own line. | | CG | Low | |
| 14J | SortAlgos.java 198 | | Coding Standards the If statement does not use explicit {} | | CG | Low | |
| 54Y | SortAlgos.java 24 | | Functional The algo here is incorrect and causes the last item in the array to not be sorterd | | FD | BR | |
| 9S | SortDemoData.java 102 | | Functional defect the end user will not receive the desired result because a field is named incorrectly. Rename Merge Sort to Quick Sort | | FD | BR | |
| 16J | SortAlgos.java 273 | | Coding Standards the If statement does not use explicit {} | | CG | Low | |
| 21D | SortAlgos.java 273 276 | | Coding Standards the end brace for the while and if statements are not on their own line. | | CG | Low | |
| 87P | SortAlgos.java 46 | | Coding Standards the if statement needs to explicitly use braces in this statement for clarity | | CG | Low | |
| 105N | InvalidOperationException.java 8 | | There is no method style heading for this block of code | | CG | Low | |
| 55L | SortDemoData.java 10 | | The name algo is not descriptive, it’s general, name too short and not enough info | | CS | 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.