**Author of the Code: \_\_\_\_\_\_Archit Bhatia\_\_\_\_\_\_\_\_\_\_ Name of Code Reviewer: Brannon Chan**

**Report Reviewed by \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Assessment of Suitability of Code Provided for Review**

* Too small
* A bit too small
* **Good size**
* A bit too large
* Too large

**Tabulation of Errors**

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| --- | --- | --- | --- |
| **File** | **Line #** | **Checklist Item #** | **Description / Note / Suggested Fix** |
| SmartShelfTesting.Java | 3 | D1 | Consider adding Javadoc tag “@author” and “@version”. Ideally a quick description of what the class does. |
| SmartShelfTesting.Java | 5 | V1 | Consider using proper Java variable Capitalization in package name “smartshelftesting”. |
| SmartShelfTesting.Java | 15, 19. | S2 | Extra spacing in the testing Constructor, is contradictory to the lack of extra spacing in later testing methods in the same class. |
| Testing.Java | 4 | D1 | Consider adding Javadoc tag “@author” and “@version”. Ideally a quick description of what the class does. |
| Testing.Java | 6 | V1 | Consider using a more descriptive Package name, other than “S.S”. |
| Testing.Java | 1, 13. | D1 | Remove this autogenerated comment and add more detail to the short description for this file. |
| Testing.Java | 17 | S4 | Empty Redundant Constructor, consider removing. |
| Testing.Java | 22, 30, 38, 46, 55. | D1 | All testing methods have messy in-line comments, consider simplifying in-line comments, in favour of replacing them with Method Javadocs (Making use of method tags like “@param” and “@return”). |
| Testing.Java | 23 -26, 32-34, 40-42,  48-50, 57-57. | V1 | Consider using predefined constant values/macros. Would also be advisable to describe where these testing values are from and why you chose them. |
| Testing.Java | 23 | S2 | Add an extra space here to maintain spacing convention used in the rest of the file. |
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**Summary of Errors (Minimum of 3, Maximum of 5)**

* Perhaps many of the errors were examples of the same kind (e.g. Always hard-coding values?) Or perhaps the errors signal an overall weak approach (e.g. brittle or smelly code). Look at your table of errors and group them together.

It would be advisable to use constant defined variables, there are many hard-coded constants. Also streamline/add comments where necessary. It would help organize your explanations as to what the testing code does. On the topic of comments, there are no class or method Javadocs in your files.

* **Documentation**: Reduce the use of in-line comments, and add in appropriate Class and Method Javadocs.
* **Variables**: Hardcoded constants should be replaced with variable constants for added clarity.
* **Spacing**: Ensure that spaces between the method definition and its ending bracket are consistent with other spacing found in the same file.

**Summary of Three (3) Recommendations**

* You may feel inclined to make simplistic recommendations that merely repeat your Summary of errors (e.g. Don’t hard-code values) but true recommendations go further and provide strategic or informed suggestions (e.g. Please look into command-line argument and property files as a well to flexibly configure your system).
* As stated before, **Reduce the use of in-line comments, and add in appropriate Class and Method Javadocs.**
* **Hardcoded constants should be replaced with variable constants for added clarity.**
* **Ensure that spaces between the method definition and its ending bracket are consistent with other spacing found in the same file.**

**Overall Evaluation (Beginning, Developing, Accomplished, Exemplary)**

Give your impression along with a rationale.

**Accomplished**

Overall, the test code provided for this review has accomplished it’s intended goal. But it lacks much of the appropriate commenting and Javadoc to be considered close to a finished product.