#9914b Test Plan Review

Version <1.0>

<date>

Document Control

Approval

The Guidance Team and the customer shall approve this document.

Document Change Control

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| --- | --- |
| Initial Release: | 1.0 |
| Current Release: |  |
| Indicator of Last Page in Document: |  |
| Date of Last Review: |  |
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Distribution List

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Dr. Roach

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Change Summary

The following table details changes made between versions of this document

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Note: The template presented in this document was taken from:

Donaldson, S., and S. Siegel, *Successful Software Development*. Upper Saddle River, NJ: Prentice Hall, 2001, pp. 321-323.

Note: The template presented in this document was taken from: Donaldson, S., and S. Siegel, *Successful Software Development*. Upper Saddle River, NJ: Prentice Hall, 2001, pp. 321-323 and modified by Humberto Mendoza and Steve Roach.

Supplementary information is from:

Pfleeger, S. *Software Engineering, Theory and Practice*. Upper Saddle River, NJ: Prentice Hall, 1998, p. 365.

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# Review Criteria

This section gives information regarding the review criteria of the test plan to be evaluated.

## Criteria

Spelling mistakes: Ease of understanding and reduce confusion

Grammar: Ease of interpretation for correct results

Template format: Template enables easy to add/modify test cases in future and it organizes content

Language used: Understandability

Functionality coverage: For completeness and to identify that major defects are not missed.

Duplicates: Verify there is not duplicates to save time and space.

# Review

This section reviews the tests in the test plan.

## Test TS1

The test checks the creation of the table with valid number of input. This test does not test the sorting table, but instead checks if the table creation method works. The expected return of the specific input specified is not given.

## Test TS2

The test plan tests what happens if an invalid number of inputs is given. Specifically, the test plan mentions to try and create a 3 by 2 table. This test in the test plan tests for creation of the table, this test does not test for a method in the TableSorter class.

## Test TS3

The test checks if the method works for positive integers. The test reads the inputs from the text file. The test plan is very specific in what the table should be.

|  |  |
| --- | --- |
| 5 | 7 |
| 9 | 8 |

From ts3\_positive.txt file

The test plan only says it should pass, but does not say what the return should be, it also does not mention which method we are testing with this test.

## Test TS4

This test in the test plan tests to see if negative integers work for this method. The test plan reads the inputs from a text file and then creates the table with only negative numbers. The test plan specifies “Results will be shown on console”. The test only creates the table but does not specify if a method from the TableSorter method will be tested. The test plan mentions which exact numbers to make the table.

## Test TS5

The test checks for many different values in the table with some being positive, one negative value, and one 0 value. The specific inputs to make the table is given and are also written on a text file. Again the method to test is not mentioned and return type is msising.

## Test TS6

This test in the test plan checks to see if a sorted table is returned as sorted. The table method should be mentioned but it is obvious that they are referring to the isSorted method. The test provides specific inputs and has negative and positive values. This method does have an expected output.

## Test TS7

This test in the test plan gives values to the isSorted method to check if the method can detect whether an unsorted table is correctly identified as unsorted. Specific table inputs are given in the test, the input includes positive and negative integers. The expected result specified is “FAIL” I believe the test meant to put that the method should return false.

# Concluding Remarks

## Test Plan Summary

The test plan does not specify which method is being tested.

Test plan does not test for methods in TableSorter and seems to only test for creation of table for the first five of seven tests despite the test plan saying it would test for TableSorter methods in section 2 of the test plan.

The test plan is specific in mentioning the input, but is not specific in the return type, the method to test, and the purpose of the test.

Not much was many strange scenario were tested, only positive, negative values, and creation of table were tested. There were no tests to check if the sorting of a table worked.

The tables to test are all in text files which are mentioned in the tests.

All of the tests in the test plan reads input from the text files.

There is 5 tests on creation of a table and 2 tests for checking the isSorted method.

The grammar of the test plan was good. Though there seemed to be a lot of copying and pasting done in the test plan which wasn’t needed or was not useful. The template used was very good. There was no spelling mistakes that I found