

Black Box Testing

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| Test Case ID | Test Name | Description | Test Input | Expected Result | Actual Result | Pass/Fail | Notes |
|--------------|-------------|---|---------------|-----------------|---------------|-----------|---|
| 1 | HashMap_1 | Testing for no duplicates | SD4 | FALSE | FALSE | Pass | |
| 2 | HashMap_2 | Testing for no duplicates | sd4 | FALSE | TRUE | Fail | Case sensitive |
| 3 | HashMap_3 | Testing for no duplicates | SD\$ | TRUE | TRUE | Pass | Excepts special characters |
| 4 | HashMap_4 | Testing for multiple words | Redline Radio | FALSE | FALSE | Pass | Only excepts single word/string entries |
| 5 | HashMap_5 | Testing numeric entries | 123 | TRUE | TRUE | Pass | Excepts numeric only entries |
| 6 | HashMap_6 | Testing "enter" keyed with no String | (enter key) | FALSE | FALSE | Pass | No entry and "enter" keyed, the program doesn't expect it and stauls. |
| 7 | HashMap_7 | Testing "spacebar" keyed with no String | (space key) | FALSE | FALSE | Pass | Space only keyed and entered, the program doesn't expect it and stauls. |
| 8 | WhileLoop_1 | Testing for Set String duplicate value entered | y | TRUE | TRUE | Pass | While loop remains true and continues |
| 9 | WhileLoop_2 | Testing for String prompted expected to end While | n | FALSE | FALSE | Pass | While loop is FALSE and ends. |
| 10 | WhileLoop_3 | Testing for String unexpected, not "y" or "n" | no | TRUE | TRUE | Pass | While loop remains true and continues, needs entry validation |

Link to main.java file used for testing:

<https://github.com/Wood-Benjamin/CIT360/blob/master/System%20Level%20Tests/Main.java>