Software Testing Report

<SYDNEY AIRBNB SEARCH>

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# Unit Tests

| **No** | **Test Case** | **Expected Results** | **Actual Results** |
| --- | --- | --- | --- |
| **1.0** | **File Reading Functions** |  |  |
| 1.1 | Test a wrong filename | Exception Handled | Exception Handled |
| 1.2 | Test empty input file | Display “File Not Found” message and exit | Display “File Not Found” message and exit |
| **2.0** | **Data analysing function** |  |  |
| 2.1 | Test min price input | Return house num with the price higher than min price | Return house num with the price higher than min price |
| 2.2 | Test max price input | Return house num with the price lower than max price | Return house num with the price lower than max price |
| **3.0** | **Searching Functions** |  |  |
| 3.1 | Test different id inputs | Display targeted element with the input id | Display targeted element with the input id |

# Coverage Report

A screenshot of a computer

Description automatically generated

A screenshot of a computer program

Description automatically generated

# Requirements Acceptance Testing

(You will need to fill out the column on the left with the requirements listed in software design documents and the columns on the right with the results of your own testing)

| **Software  Requirement No** | **Test** | **Implemented (Full /Partial/ None)** | **Test Results (Pass/ Fail)** | **Comments (for partial implementation or failed test results)** |
| --- | --- | --- | --- | --- |
| 1 | Accept multiple file names as arguments from the command line | Full | Pass |  |
| 2 | Display the details of all valid files | None | Pass |  |
| 3 | Display an appropriate message if a file does not exist or if a file name is invalid | Full | Pass |  |
| 4 | Display a message if an argument is a directory instead of a file | None | Pass |  |
| 5 | File name can be a simple file name or include the full path of the file with one or more levels | Full | Pass |  |
| 6 | file names must start with an alphabetical character | None | Pass |  |
| 7 | Valid file name extensions must be 3 or 4 alphabetical characters preceded by a dot) | None | Pass |  |
| 8 | Directory/level names must start with an alphabetical character to be considered valid | None | Pass |  |
| 9 | The program should be able to accept as many levels for each file name as the user wants to input. This is limited only by the number of levels allowed in Windows (approximately 120) | None | Pass |  |