Software Testing Report

<Accident Data User Interface>

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# Unit Tests

Delete the RED text and replace with your own

(In this table you fill out details about what unit tests you have done using the unittest module)

| **No** | **Test Case** | **Expected Results** | **Actual Results** |
| --- | --- | --- | --- |
| **1.0** | **WordCount Functions** |  |  |
| 1.1 | Test a wrong filename | Exception Handled | Exception Handled |
| 1.2 | Test empty input file | Display error message and exit | Display error message and exit |
| **2.0** | **Histogram Functions** |  |  |
| 2.1 | Empty input dictionary | Display error message and exit | Display error message and exit |

# Coverage Report

A description of the coverage of your unit tests, including how you evaluated coverage (function, statement, branch, condition)

# 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 | Interface structure and hierarchy is intuitive | Full | Pass | Aligns with design decisions |
| 2 | Visual design elements match wireframes and mock-ups | Full | Pass | Visual consistency observed |
| 3 | System navigates through accident data seamlessly | Full | Pass | Seamless navigation as per design document |
| 4 | Error handling for invalid inputs | Full | Pass | Matches the expected results |
| 5 | Display appropriate messages for invalid file names or non-existent files | Full | Pass |  |
| 6 | Visual elements (icons, graphics) are appropriately displayed | Full | Pass | Matches design aesthetics |
| 7 | Handle file name inputs with full path | Full | Pass | As per design requirements |
| 8 | Program accepts multi-level file names within Windows limits | Partial | Fail | Fails after 100 levels due to performance issues |
| 9 | All activities and milestones from the Gantt chart are implemented | Full | Pass | All features from the project plan are implemented |