Software Testing Report

Victorian State Crash Data Set

Samaar Bajwa | s5254805

Christopher Burrel | s5237645

Gauruv Grover | s5320837

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# Unit Tests

Front-end and Back-end testing

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** | **User Dashboard 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** | **Data Select and Time Period Functions** |  |  |
| 2.1 | Select out of date range | Display error message | Display error message and exit |
| **3.0** | **Accident Information Display** |  |  |
| 3.1 |  |  | Display error message and exit |
| **4.0** | **Hourly Accident Trends** |  |  |
| 4.1 |  |  | Display error message and exit |
| **5.0** | **Keyword-Based search** |  |  |
| 5.1 |  |  | Display error message and exit |
| **6.0** | **Alcohol Impact Filter** |  |  |
| 6.1 |  |  | Display error message and exit |
| **7.0** | **Geospatial Accident Visualisation** |  |  |
| 7.1 |  |  | 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 | User Dashboard |  |  |  |
| 2 | Data Selection and Time Period |  |  |  |
| 3 | Accident Information Display |  |  |  |
| 4 | Hourly Accident Trends |  |  |  |
| 5 | Keyword-Based search |  |  |  |
| 6 | Alcohol Impact Filtering |  |  |  |
| 7 | Geospatial Accident visualisation |  |  |  |