Software Testing Report

<Project Name>

Student Names

Table of Contents

[1.0 Unit Tests 3](#_Toc49779837)

[2.0 Coverage Report 4](#_Toc49779838)

[3.0 Requirements Acceptance Testing 5](#_Toc49779839)

# 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 | Display error if file is not csv. |
| 1.2 | Test empty input file | Display error message and exit | Display error message and exit. File does not contain any data. |
| **2.0** | **Histogram Functions** | Show graph between time periods. | Display graph between two time periods. |
| 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)

We have developed a Web application for Analysis purpose. All test cases have been handled. Like checking if the given filename if valid, or it contains any data or not. Display proper error messages if an error occur.

# 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. Select file using html form. | Pass |  |
| 2 | Display the details of all valid files | Full | Full. Display data in table form |  |
| 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 | Full. | Full. You can’t select directory name. |  |
| 5 | File name can be a simple file name or include the full path of the file with one or more levels | Full | Full. Upload file to the server. |  |
| 6 | file names must start with an alphabetical character | Full | Full. Display error message. |  |
| 7 | Valid file name extensions must be 3 or 4 alphabetical characters preceded by a dot) | Full | Full. Only allow csv file. |  |
| 8 | Directory/level names must start with an alphabetical character to be considered valid | Full. | Full. Not required as file is select by browser. |  |
| 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) | Full. | Full. Not required for web browser. |  |