**Project Acceptance Test**

1. Testing that all meta-data has been downloaded

**Specifications:**

There will be approximately 10,500 reviews downloaded total. Each will have 8 files of meta-data: the review, how they feel, location, time, similar tags, what needs to be improved, what was good. The multi\_url and web-scraping functions will be tested.

**Description:**

Data is entered manually and is checked against the review URL.

Input data: A single URL (for web-scraping function) or an array or URLs (for the multi\_url function)

Input command: In the command line “python3 multi\_URL.py”

Output data:

a) for real URLs, 8 text files with the above metadata for each review

b) for a fake URLs, no text files or output

**Analysis Report:**

Function: Testing if many URLs can be scraped

Data measures: Tests if all meta-data is downloaded. Tests the speed of web-scraping, needs to be feasible to complete 10,500 reviews

2. A working SQL database

**Specifications:**

The ability to search all past reviews by certain tag words. The tags need to be given with the context they are related to. These contexts include: similar stories, location, what to be improved, what was good and location.

**Description:**

Unnitests for sql database

Input data: SQL commands, specific queries for each tag type and context

Output data: Every file with the corresponding tag and context

**Analysis Report:**

Function: Testing whether the SQL database can access data quickly and easier

Data measures: testing if *all* files with the same tag are returned. Measure the

speed it takes to return these files

3. Adding a new review to existing database

**Specifications:**

A new review can be added with only the URL. All 8 text files should be added if it is a real review. If it is not a review nothing should be added. Specifically testing the new\_URL code. (Send to user, check software is correct and useable)

**Description:**

Input data: a URL of a review

Input command: “python3 add\_URL.py”

Output command: If this is a real URL, should review to SQL database

**Analysis Report:**

Function: Testing whether a new review can be added to the SQL database after the database has been created

Data Measured: Testing if the function can differentiate between real URLs and not real ones. Measuring how much of the meta-data was added and how quickly