

Coverage Testing Report

GitHub Repository URL: https://github.com/JavaTheHut17/SoftTech_Group_06

1. Test Summary

list all tested functions related to the five required features, for example:

Tested Functions
search_food()
nutrition_breakdown()
range_filter()
high_med_low_filter()
high_low_filter()

2. Statement Coverage Test

2.1 Description

To achieve full test coverage, we designed and implemented each function separately and then wrote corresponding test cases for each function to ensure proper validation of their functionality, before adding and implementing all functions into test_all_functions.py.

2.2 Testing Results

```
test_all_functions.py .....
----- coverage: platform darwin, python 3.7.16-final-0 -----
Name           Stmts   Miss  Cover
-----
all_functions.py    189      1    99%
-----
TOTAL               189      1    99%

===== 22 passed in 4.92s =====
(nurta_graph) Luke@Lukes-MacBook-Air NutraGraph %
```

3. Branch Coverage Test

3.1 Description

We designed the test cases for test-all-functions.py individually to ensure that all functions were tested to 100% coverage, this approach helped us to achieve a very high coverage score.

3.2 Testing Results

```
test_all_functions.py .....
----- coverage: platform darwin, python 3.7.16-final-0 -----
Name           Stmts   Miss Branch BrPart  Cover
-----
all_functions.py    109      1     52      3    98%
-----
TOTAL              109      1     52      3    98%

===== 22 passed in 6.92s =====
(nurta_graph) Luke@Lukes-MacBook-Air NutraGraph %
```