

Methods and Tools in SW Development

Unit Testing with Python

Each function found in functions.py should have their own testing page! Therefore, you should have eight pages (at least) dedicated to testing. Formatting wise, start each function off on its own page. Don't let tests bleed together. Remove the red commenting text in the final version you submit. :)

Function Name: function name

Number of tests: number of tests

Items to test:

- Item 1
- Item 2
- Item 3
 - List conceptually what you're testing. Are you testing that output works correctly? Correct math? Data type conversion? Etc.

Inputs used for testing:

- Input 1, input 2
- ...
 - Given your items to test above, what values did you use to actually test those things

Corrections made:

In paragraph form, discuss what changes were made to the function and discuss why they were made. Reference specific tests from the "items to test" section to list what failed previously and how these changes prevented failures.

Failed tests:

What tests were meant to originally fail? How did you fix these?

Tests passed before corrections: number

Tests failed before corrections: number

Tests passed after corrections: number

Tests failed after corrections: number

Reflection

****Attach your PyTest result window here****

1. Who was assigned what testing functions to work on?
2. Is there anything testing wise you feel was lacking? Is it due to lack of tools, etc?
3. After the assignment, do you feel that unit testing is important? Why or why not?