

Extra: Tests

Vocabulary

Write out a description of each vocabulary term for reference later.

| Term | Description |
|---------------------|-------------|
| Integration tests | |
| Unit tests | |
| Usability testing | |
| Performance testing | |
| Regression testing | |

Concepts

Unit tests

Unit tests are a type of tests that check the validity of a function. A function has inputs and outputs, and using the information we know - “given these inputs, I’m expecting this output” - we can write a computer program to test that the function returns the correct output, given the inputs.

A unit test should generally have multiple test cases for a function being tested, to check for various permutations of any reasonable inputs/outputs. Further, there should be a set of unit tests together in a test suite so that many functions of the program can be tested. Ideally, you should be able to test as much as the program as possible by running your test suite.