CMPUT 301 GH Actions and TDD

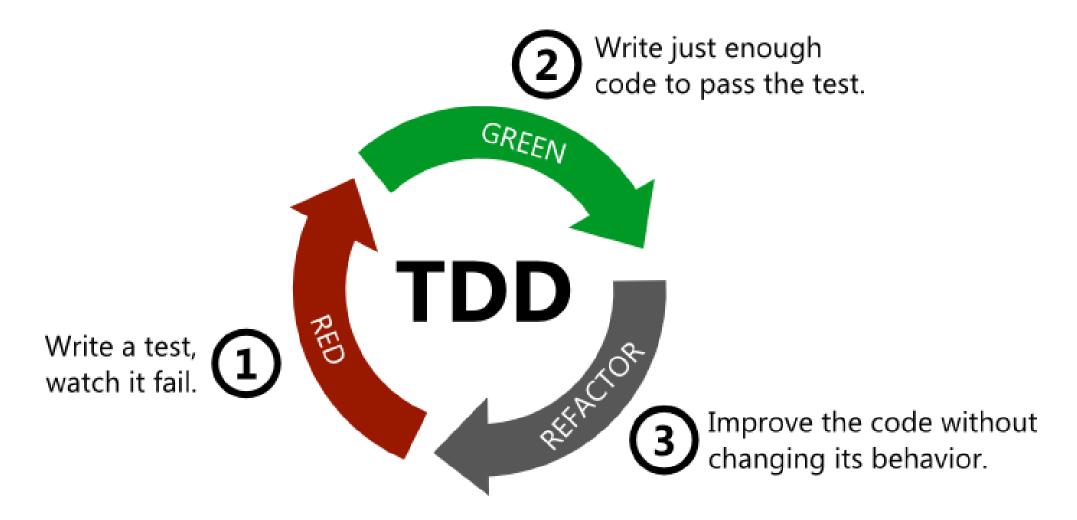
TDD Overview

Software development technique where you write tests **before** the functionality

l.e.,

- 1. Write a test (which will obviously fail, since there is no functionality)
- 2. Write the functionality (test should pass)
- 3. Refactor

TDD Cycle



Why bother with TDD?

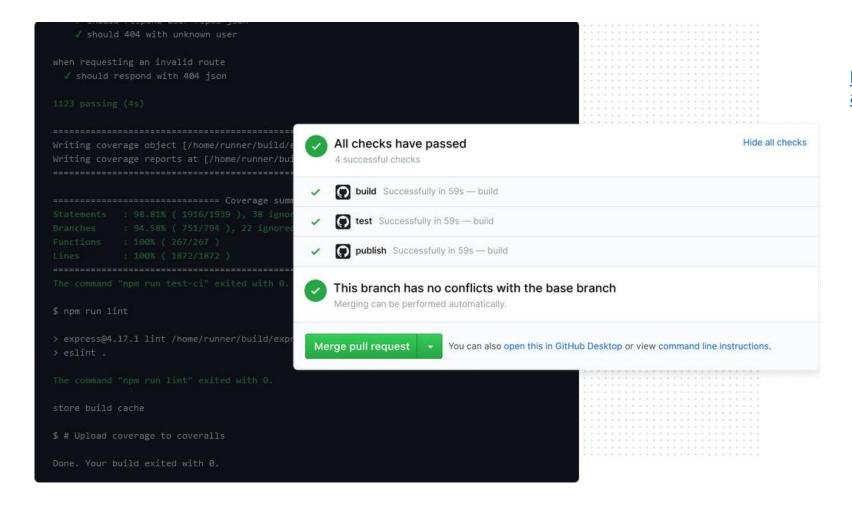
TDD forces you to think first about what you are trying to do, what the input and output should be, before trying to program anything.

It also forces you to start small, and build up the functionality, rather than code a large block of code, which is likely to be difficult to test.

But I don't know what I am going to program

This means the requirements are not fully fleshed out. Think about what you need, and maybe even talk with the client for clarification.

GH Actions



https://docs.github.com/en/actions/learn-github-actions/understanding-github-actions