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CSSE376

Lab5 Questions

1. The process of TDD involves writing a test case before writing a single piece of code. Then the next step is to write a minimal piece of code that solves just that test case. Continue the process until all the functionality has been provided.

2. The code that the developers write is just as good as the test cases that are written. If a crappy suite of tests is written and the code passes the entire suite of tests this doesn't mean that the code is of good quality or that it is any better than code without tests. Test-driven development can help improve confidence and code quality but the tests must also exhibit high quality first.

3. The advantages of using TDD is that you generate a suite of tests that can be used later to check if the code you change later breaks functionality. However, a lot of thought must go into generating the correct test cases and making sure that they cover the functionality required. The disadvantages is that it takes longer to start writing code and for small projects generating all these test cases may be overkill if you just need a small functionality. It introduces overhead that is almost too much.