

What were the software testing techniques that you employed for each of the milestones?
Describe their characteristics using specific details.

I have used a development methodology called TDD, that is the acronym for test driven development. It allows me to start the development by first writing the tests for it. That way the development will be guided by if the code I am writing is passing or not the tests. To correct an error in this stage of development is also going to be cheap, which I understand that helps a lot a company.

During a TDD the developer writes the unit tests for the code they are writing based on the system requirements.

What are the other software testing techniques that you did not use for the milestones?
Describe their characteristics using specific details.

One example of a testing technique that I haven't used is the system testing. As it is explained by [this website](#): "The purpose of system testing is to verify that all the system elements are tested and its overall function and performance comply with the specific requirements. In this approach, the system's hardware and software components are integrated and tested as a whole."

For each of the techniques you discussed, explain the practical uses and implications for different software development projects and situations.

TDD is great for when you are first writing the code, but it alone won't guarantee that the program as a whole will work, since it only verifies parts of the code independently (considering a bigger team). I would recommend some other testing to implement a CI pipeline, since the members of the team will eventually need to merge their code all together.