

TidBIT

Why do I have to test? It is important for developers to understand that testing software is critical to the success of the application. In addition, developers will be expected to write unit-level tests for everything they develop as a professional software engineer. As Maaret Pyhajarvi said, "Tests don't break your code, they break your illusions about the quality of that code."

(<https://www.quora.com/What-are-your-favorite-software-engineering-quotes>)



Required Resources

Reading: [Tutorial Using JUnit PDF](#) 

([course_documents/CS%20320%20Module%20Four%20Tutorial%20Using%20JUnit.pdf?ou=2074273](#)).

This tutorial will guide you on how you can use JUnit to verify and validate software requirements. In addition, it will show you how to run JUnit tests and how you can run them with code coverage. As you review the tutorial, consider the following questions:

- How is the student class implemented per the requirements?
- How do the JUnit tests verify and validate the requirements?
- How do we run JUnit tests with coverage? What added information does this provide to the developer?