Discussion 1.1 – Test Frameworks

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The JavaScript Framework I select is called Jest. Jest offers a few features, such as it works with Babel, TypeScript, Node, React, Angular, Vue and many other options. It claims to be a zero configuration program that “works out of the box” (*Jest*, n.d.). It provides the tests with snapshots and are in the test or alongside them, they are parallel in their own process for better performance. It considers itself “Fast and Safe” to run tests in parallel quickly. Can generate what’s called code coverage with no setup. It also says it uses a customer resolver to import tests to keep it simple mocking up tests. Also, they pride themselves in having tons of documentation and videos done by the Jest team about testing.

I believe Jest does support TDD, a Test-Driven Development framework. Because on the web page it says, “Jest is a JavaScript testing framework designed to ensure the correctness of any JavaScript codebase.” (*Jest*, n.d.). And the definition to a Test Driven Development “means writing a test that fails because the specified functionality doesn’t exist” (*Jest*, n.d.).

But does it support the framework for Behavior Driven Development or BDD? I don’t believe so, its not the intention of this framework.

From what I can tell, a developer that uses Test Driven Development will be writing their test before the development of your program so that you can create a simple and bug free program from the start. Hence why its called Test Driven or Test First Development (Hamilton, 2022).

References:

*Jest*. (n.d.). Jest. Retrieved January 2, 2023, from <https://jestjs.io/>

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Hamilton, T. (2022, November 5). *What is Test Driven Development (TDD)? Tutorial with Example*. Guru99. https://www.guru99.com/test-driven-development.html

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