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Discussion 1.1 – Test Frameworks

Jest is a JavaScript test framework that is widely used for testing React applications. It is well-suited for testing applications that are built using modern JavaScript libraries and frameworks, and it has a number of core features that make it particularly useful for testing purposes.

One of the core features of Jest is its ability to run tests in parallel, which allows you to run a large number of tests in a short period of time. This can be especially useful when you are working on an extensive, complex application that has many tests.

In addition to its parallel execution capabilities, Jest also has a number of other features that make it well-suited for testing purposes. It includes a built-in assertion library, a mocking library, and a code coverage tool, which allows you to see how much of your code is being tested by your tests.

Jest supports both Test Driven Development (TDD) and Behavior Driven Development (BDD). For TDD, Jest provides a number of tools that allow you to write tests before you start developing your code. This can help you ensure that your code is well-designed and meets the requirements of your tests.

For BDD, Jest provides a number of tools that allow you to write tests that are focused on the behavior of your code. This can be especially useful when you are working on a large, complex application that has a lot of different components, as it can help you ensure that each component behaves as expected.

As a general rule, developers should create unit tests before they start developing their code. This is because unit tests allow you to ensure that your code is working correctly from the very beginning, which can help you catch and fix problems early on.

Unit tests are also important because they allow you to verify that your code is doing what it is supposed to do, and they can help you identify problems that you might not have noticed otherwise. This can be especially useful when you are working on a large, complex application, as it can help you catch and fix problems before they become too difficult to fix.

References

Jest. (2017). Jestjs.io. <https://jestjs.io/>

Jest Tutorial for Beginners: Getting Started With JavaScript Testing. (2019, August 24).

Valentinog.com. <https://www.valentinog.com/blog/jest/>