Test react based front-end using jest

**Introduction to jest:**

Jest is a delightful JavaScript testing framework with a focus on simplicity. It can be installed with npm or yarn. Jest fits into a broader category of utilities known as test runners. It works great for react applications, but it also works great outside of react applications.

Enzyme is a library that is used to test react applications. It’s designed to test components, and it makes it possible to write assertions that stimulate actions that confirm whether the UI is working correctly.

Jest and enzyme complement each other so well, so in this article we will be using both.

**Process of running a test with jest:**

* It or test you would pass a function to this method, and the test runner would execute that function as a block of tests.
* Describe this optional method is for grouping any number of it or test statements.
* Expect this is the condition that the test needs to pass. It compares the received parameter to the matcher.
* Mount this method renders the full DOM, including the child components of the parent component, in which we are running the tests.
* Shallow this renders only the individual components that we are testing. It does not render child components. This enable us to test components in isolation.