“Jest is a testing tool developed by facebook to test all javascript code including React app”.

1. Installation:-

Yarn add --dev jest or npm install --save-dev jest

Add this in package.json

{ "scripts": { "test": "jest" } }

1. Simple function test.
2. Matchers:-
   1. Truthiness
   2. Numbers
   3. Strings
   4. Arrays
3. Test promise.
4. Test Async Await.
5. Mock function:- Erasing actual implementation.
6. Snapshot Testing:- to make sure UI does not change unexpectedly.
7. React App Testing:-

Create a simple react app using following command

“Create-react-app jest-testing-react”

Then install react-test-renderer, enzyme and enzyme-adapter-react-16

Yarn add --save react-test-renderer enzyme enzyme-adapter-react-16 “or” npm install --save-dev react-test-renderer enzyme enzyme-adapter-react-16

* 1. snapshot testing
  2. DOM teasting
  3. Props testing
  4. State testing
  5. Component methods testing