|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Scaffolding | Assertion | Test runner | Mock | Code coverage |
| Jasmine | Jasmine | Jasmine | Jasmine | istanbul |
| Jest | Jest | Jest | Jest | Jest |
| Mocha | Chai | Mocha | Sinon | Istanbul |
|  |  |  |  |  |

Npm install –save-dev jest

Npm test

npm test -- -- coverage

it(‘’, ()=>{expect().tobe}

Async

Expect.assertions()

Return

Npm I –save-dev – react adapter

// configure adapter

Import {config } from enzyme

Import adapter

**To learn more about the 3 techniques used in Enzyme for testing: shallow, mount, render,**

API Reference

[Shallow Rendering](https://enzymejs.github.io/enzyme/docs/api/shallow.html)

import { shallow } from 'enzyme';

const wrapper = shallow(<MyComponent />);

// ...

[Full Rendering](https://enzymejs.github.io/enzyme/docs/api/mount.html)

import { mount } from 'enzyme';

const wrapper = mount(<MyComponent />);

// ...

[Static Rendering](https://enzymejs.github.io/enzyme/docs/api/render.html)

import { render } from 'enzyme';

const wrapper = render(<MyComponent />);

// ...

Snapshot 🡪 save – snapshot of component post change use U

**React Testing Library**

[React Testing Library](https://github.com/testing-library/react-testing-library) builds on top of DOM Testing Library by adding APIs for working with React components.

Projects created with [Create React App](https://create-react-app.dev/) have out of the box support for **React Testing Library**. If that is not the case, you can add it via npm like so:

npm install --save-dev @testing-library/react

install enzyme and configure

npm install redux-mock-store

**nock for api mock**

var nock = require (‘nock’)

var couchdb = nock (‘url…..’)

.get(‘/users/1’)

.reply(200, {

\_id:’’},

\_rev:’783678638’);

Import --Super test

**React testing library**

@testing-library/react

"@testing-library/jest-dom": "5.16.1", - for dom

"@testing-library/react": "12.1.2”, - for components

"@testing-library/user-event": "12.1.2", - for effects

Render with provider

Jest.mock(react-router-dom, ()=>({

}));

**Redux-saga-test-plan**

**Webpack and babel**

**Web pack---Convert into js file**

**npm install webpack webpack-cli**

[**https://webpack.js.org/concepts/**](https://webpack.js.org/concepts/)

[**https://babeljs.io/docs/usage**](https://babeljs.io/docs/usage)

[**https://github.com/babel/babel-loader**](https://github.com/babel/babel-loader)

[**https://webpack.js.org/plugins/html-webpack-plugin/#installation**](https://webpack.js.org/plugins/html-webpack-plugin/#installation)

[**https://github.com/webpack-contrib/css-loader#css-loader**](https://github.com/webpack-contrib/css-loader#css-loader)

[**https://github.com/webpack-contrib/style-loader#style-loader**](https://github.com/webpack-contrib/style-loader#style-loader)

Next Js => server-side rendering

Gatsby=> static content rendering in