|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 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