React JS Notes

React JS Portal By default if we create any component in react those all component child of App component.

If we want to add any others dom elements outside a react hierarchy then react provided React JS portal concept.

ReactDOM.render(<App/>,document.createQuery(“root”)); we are render App component in root id of div tag.

ReactDOM.render(<App1/>,document.createQuery(“root1”)); we are render App component in root id of div tag.

ReactDOM.createPortal(<MyTag/>,document.creaetQuery(“portal-root’)); index.html

React – routing concept

SPA application display all contents on single page.

Hyperlink, button, form action

When we re direct from one page to another page. Whole dom get loaded.

Index.html

<a href=”welcome.html”>click</a>

Welcome.html

Target page whole dom get loaded in browser once again.

In SPA we are not going to load whole dom once again

<div id=”root”></div>

Routing : in routing are redirect from one component to another component with or without condition with routing rules.

Base upon path provided in Router tag we will render those component content in same dom.

create-react-app create-routing-demo

cd create-routing-demo

npm install react-router-dom

react-router-dom provided pre defined tags

BrowserRouter or MemoryRouter

Any one of the tag we need wrap for App root tag to enable router features.

React providing Link pre defined tag which help to create hyperlink

<a href=”demo.html”></a>

<Link to=”aboutus”>AboutUs</Link>

Testing

Testing is use find the defect or error or bugs the application

Unit testing : unit testing is a type of software testing which help to test function functionality working or not.

Black box : input process output

White box : input ---------🡪process ---🡪output

Junit test or TestNG is a type of open source framework which help to do the Java program

Nunit : for .net

JavaScript : jasmine or jest or mocha

Angular : Jasmine with karma

React JS : jest

JEST is open source framework provide by F

create-react-app create-with-jest-test

if we do manual configuration for jest with node js or javascript program

jest by default check all testing file insider a folder as as \_\_test\_\_ : which contains all testing files.

@testing-library/react this is third party library internally use

Jest which provide snapshot for the component.