Day 7 : 20 Nov 2024

create-react-app react-rest-api

useEffect(): this hook is use to do side effect whenever the component get loaded…

syntax :

useEffect(callback,[dependencies]) : if any dependencies get change then only execute else don’t execute.

When component get loaded it will call once initially and whenever any dependencies change then it will call.

Like Server

data.json

to make simple rest api using json file. Node js provided one third party module ie

json-server using npm command.

sudo npm install -g json-server

then open the terminal in the location of json file.

json-server data.json

then open the browser and access the URL using below command as

<http://localhost:3000/products>

Like Client

we will invoke end point using axios third party. By default axios not present inside react js project.

Inside react js project we need to install axios third party library.

npm install axios

npm start React js running on port 3001

conditional rendering

return keyword is use to return JSX in functional component.

to apply conditional rendering we use ternary operator

condition ? true : false

create-react-app conditional-rendering

using React as well as angular we create SPA (single page application).

Using hyper link or action attribute of form we open another web page. Which contain new dom ie complete html page contents.

routing : routing is use to navigate from one component to another component JSX code base upon some event. We can open another component JSX code with or without conditions.

create-react-app react-routing-demo

cd react-routing-demo

npm install react-router-dom

if we want to use Routing features then we need to wrap BrowserRouter component for parent tag.

Which provide Browser history features.

Then we need to take help of Link or NavLink which provide statefull hyper link features.