\*\*\* Redirect to 404 Error page\*\*\*

Install router with in folder location by using below command through terminal:

**npm install –save react-router-dom**

**Note**: before **save** text it is double dash (-)

Open Index.js file and paste below code:

import React from 'react';

import ReactDOM from ‘react-dom’;

import {BrowserRouter} from “react-router-dom”

import App from ‘./App’;

import “./index.css”

    ReactDOM.render(

            <BrowserRouter>

<App />

            </BrowserRouter>,document.getElementById(‘root’)

    );

Open Index.css file and paste below code:

.active{color:red}

Create 8 components:

About.js , Contact.js , Error.js, Menu.js, Service.js, User.js, Search.js, Sresult.js

Open App.js file and paste below code without any importing:

import React from ‘react’

import {Route,Switch,Redirect} from “react-router-dom”

import Contact from ‘./Contact’

import Service from ‘./Service’

import About from ‘./About’

import User from ‘./User’

import Error from ‘./Error’

import Menu from ‘./Menu’

const App =() =>{

const Name = () =>{

return(

<> <h1>Hello I am name page</h1></>

)

}

return(

<>

<Menu />

<Switch>

<Route exact path=’/’ component={()=><About name=”About” />} />

<Route exact path=’/service’ component={()=> <Service />} />

<Route exact path=’/user/:name’ component={()=> <User />} /> //name is paeameter

// <Route exact path=’/user/:name/:lname’ component={()=> <User />} /> //for multiple paeameter

<Route exact path=’/contact’ render={()=> <Contact name=”Contact”/>} />

<Route path=’/contact/name’ component={()=> <Name />} />

/\* OR

<Route path=’/contact/name’ component={Name} />

// we have two method

\*/

//<Route component={Error} />

<Redirect to=”/” />

</Switch>

</>

)

}

export default App

/\*

If we will use component keyword then it will fresh call every time, if we will use render keyword then it will call first time than it will do update

i.e. if we required props then we will use render other wise we will use component, performance of both is same.

\*/

Open About.js file and paste below code without any importing:

import React from ‘react’

const About =(props) =>{

return(

<>

<h1>About page {props.name}</h1>

</>

)

}

export default About

Open Contact.js file and paste below code without any importing:

import React from ‘react’

const Contact =(props) =>{

return(

<>

<h1>Contact page {props.name}</h1>

</>

)

}

export default Contact

Open Service.js file and paste below code without any importing:

import React from ‘react’

const Service =() =>{

return(

<>

<h1>Service page</h1>

</>

)

}

export default Service

Open Sresult.js file and paste below code without any importing:

import React from ‘react’

const Sresult =(props) =>{

const img = `https://source.unsplash.com/600x300/?${props.name}`;

return(

<>

<div>

<img src={img} alt=”img error” />

</div>

</>

)

}

export default Sresult

Open Search.js file and paste below code without any importing:

import React from ‘react’

import Sresult from ‘./Sresult’

const Search =() =>{

const[img,setImg] = useState(‘’);

const inputEvent=(event)=>{

const data = event.target.value;

setImg(data);

}

return(

<>

<input type=’text’ placeholder=”search any thing” value={img} onChange={inputEvent} />

{img === “” ? null : <Sresult name={img} /> }

</>

)

}

export default Search

Open User.js file and paste below code without any importing:

import React from ‘react’

import {useParams,useLocation,useHistory} from “react-router-dom”

const User =() =>{

const { fname } = useParams();

// const { name,lname } = useParams(); for multiple parameter

// parameter name must be same as name of app.js file where we are passing

const location = useLocation();

const history = useHistory();

console.log(history);

return(

<>

<h1>User page {name}</h1> //showing value from url

<h1>User page {name} {lname}</h1> //showing value from url

<p> My current location is {location.pathname} </p>

{

Location.pathname === `user/vinod/thapa`?<button onClick={()=>history.goBack()}>History Back</button><button onClick={()=>history.push(“/”)}>home</button>:null

}

</>

)

}

export default User

Open Error.js file and paste below code without any importing:

import React from ‘react’

import {NavLink} from ‘react-router-dom’

const Error =() =>{

return(

<>

<h1>404 Error page</h1>

<NavLink to=”/”>goback</NavLink>

</>

)

}

export default Error

Open Menu.js file and paste below code without any importing:

import React from ‘react’

import {NavLink} from “react-router-dom”

const Menu =() =>{

return(

<>

<NavLink exact activeClassName=”active” to=”/”>About page</Link>

<NavLink exact activeClassName=”active” to=”/service”>Services page</Link>

<NavLink exact activeClassName=”active” to=”/search”>Search page</Link>

<NavLink exact activeClassName=”active” to=”/user/vinod/thapa”>User page</Link>

<NavLink exact activeClassName=”active” to=”/contact”>Contact page</Link>

</>

)

}

export default Menu