Single-page app using React Router

Exp. No.: 10

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Code:

App.js:

import "./App.css";

import Index from "./url/Index";

import About from "./About/About";

import Page404 from "./Page404/Main";

import { BrowserRouter as Router, Routes, Route } from "react-router-dom";

import routes from "./Routes";

function App() {

return (

<div className="app">

<Router>

<Index />

<Routes>

{routes.map((route) => {

return (

<Route key={route.id} path={route.path} element={route.element} />

);

})}

<Route index path="/" exact element={<About />} />

<Route path="\*" element={<Page404 />} />

</Routes>

</Router>

</div>

);

}

export default App;

Routes.js:

import Exp1 from "./exp-1/Main";

import Exp2 from "./exp-2/Main";

import Exp3 from "./exp-3/Main";

import Exp4 from "./exp-4/Card";

import Api from "./api/Api";

import Validation from "./validation/Main";

import Rest from "./rest";

import Calculator from "./Calculator";

import Toggle from "./ToggleButton/Toggle";

import Props from "./propsExp/Main";

const routes = [

{

id: 1,

path: "/exp-1",

element: <Exp1 />,

title: "Experiment-1",

to: "/exp-1",

},

{

id: 2,

path: "/exp-2",

element: <Exp2 />,

title: "Experiment-2",

to: "/exp-2",

},

{

id: 3,

path: "/exp-3",

element: <Exp3 />,

title: "Experiment-3",

to: "/exp-3",

},

{

id: 4,

path: "/exp-4",

element: <Exp4 />,

title: "Experiment-4",

to: "/exp-4",

},

{

id: 5,

path: "/api-example",

element: <Api />,

title: "API Example",

to: "/api-example",

},

{

id: 6,

path: "/validation",

element: <Validation />,

title: "Validation",

to: "/validation",

},

{

id: 7,

path: "/rest/\*",

element: <Rest />,

title: "REST API",

to: "/rest",

},

{

id: 8,

path: "/calculator",

element: <Calculator />,

title: "Calculator",

to: "/calculator",

},

{

id: 10,

path: "/toggle",

element: <Toggle />,

title: "Toggle Button",

to: "/toggle",

},

{

id: 11,

path: "/props",

element: <Props />,

title: "Props",

to: "/props",

},

];

export default routes;

Index.js:

import { Link } from "react-router-dom";

import "./Index.css";

import routes from "../Routes";

function Index() {

return (

<ul>

<li>

<Link to="/">Home</Link>

</li>

{routes.map((route) => {

if (!route.to) return <></>;

return (

<li key={route.id}>

<Link to={route.to}>{route.title}</Link>

</li>

);

})}

</ul>

);

}

export default Index;

OUTPUT:

