Date : 03 - 07 - 2020
Morning Session : 9 am – 11.00 PM
By ~ Sundeep Charan Ramkumar Today

Topics: React Day 6 (Routes)

Routing in React.

React Router is a library that lets you navigate your routes on the front-end, so a user sees one component of your choice on localhost:3000/, another on localhost:3000/about, and others on /contact, /dashboard, etc.

Soon we'll be able to access each component like so:

We are able to navigate among views

- localhost:3000/
- localhost:3000/dog
- localhost:3000/cat

In simplest terms,we can summarise the Routing in React as:

- **Router Component → <BrowserRouter>**
- **Route matching Components → <Route> <Switch>**
- **Navigation Components → <Link> creates links ,renders as <a> in the HTML**

The main Components of React Router are:

- **BrowserRouter:. It is the parent component that is used to store all of the other components.**
- **Route: Route is the conditionally show component that renders some UI when its path matches the current URL.**
- **Link: Link component is used to create links to different routes and implement navigation around the application.**
- **Switch: Switch component is used to render only the first route that matches the location rather than rendering all matching routes.**

```jsx
1   import React from "react";
2   import "./App.css";
3   import Home from "./pages/Home";
4   import Contact from "./pages/Contact";
5   import About from "./pages/About";
6   import NavBar from "./NavBar";
7   import PostList from "./PostList";
8   import PostDetail from "./PostDetail";
9
10  import { Route, Switch, Redirect } from "react-router-dom";
11
12  // react-router-dom
13  const App = () => {
14    // /contact
15    return (
16      <div className="App">
17        <NavBar />
18        <Switch>
19          <Route exact path="/" component={Home} />
20          {/**<h1 history={} match={} location={}>sdfhsjhfsjkh</h1> */}
21          <Route exact path="/contact" component={Contact} />
22          {/* <Route
23            exact
24            path="/contact/sub"
25            component={}
26          /> */}
27          <Route path="/about" component={About} />
28          <Route exact path="/posts" component={PostList} />
29          <Route exact path="/posts/:postId" component={PostDetail} />
30          <Redirect to="/" />
31        </Switch>
32      </div>
33    );
34  };
35
36  export default App;
```

```jsx
import React from "react";
import ReactDOM from "react-dom";
import "./index.css";
import App from "./App";
import { BrowserRouter } from "react-router-dom";

ReactDOM.render(
  <React.StrictMode>
    <BrowserRouter>
      <App />
    </BrowserRouter>
  </React.StrictMode>,
  document.getElementById("root")
);
```

```
1    import React from "react";
2
3    const Contact = () => {
4      return <div>Contact page.</div>;
5    };
6
7    export default Contact;
```

7 lines (5 sloc) | 106 Bytes

```
1    import React from "react";
2
3    const Home = () => {
4      return <div>Home page.</div>;
5    };
6
7    export default Home;
```

7 lines (5 sloc) | 109 Bytes

```
1    import React from "react";
2
3    const About = () => {
4      return <div>About page.</div>;
5    };
6
7    export default About;
```

https://www.youtube.com/watch?v=Law7wfdg_ls

https://reacttraining.com/react-router/web/example/basic

https://www.freecodecamp.org/news/react-router-in-5-minutes/

React router by default stops when it meets with the required route. True or False?

Attempted - 38 (100%) EASY ∧

☐ True	50%
☑ False	50%

Which component is necessary to redirect to certain routes on clicking?

Attempted - 36 (94.74%) EASY ∧

☐ Redirect	38.89%
☑ Link	61.11%
☐ a	2.78%

Which prop is essentially required for dynamic routes

EASY ∧

- [ ] location
- [ ] pathname
- [x] match