React Basics 5

React Router

install and import basic route

```
//npm install react-router-dom
//Then import react-router-dom like
import {
BrowserRouter as Router,
Route,
} from 'react-router-dom';

//Wrap your main component with <Router/>
render() {
return (
<Router>
<div className="App">
<header className="App-header">
<img src={logo} className="App-logo" alt="logo" />
</header>

//Here Route path takes url and if that
//url is entered, it shows specified
//component on same page with other //components
<Route path="/test" component={Test} />
{this.state.movies.map(movie => <Movie key={movie.id} movie={movie} />)}

</div>
</Router>
);
```

Switch(Showing only one page at a time)

```
//First import switch
import {
BrowserRouter as Router,
Route,
Switch,
} from 'react-router-dom';

//Then wrap your route inside switch
const App = () => (
<Router>
```

```
<Switch>
<Route exact path="/" component={MoviesList} />
<Route path="/test" component={Test} />
</Switch>
</Router>
);
//Note that exact in index route is important otherwise even for /test it will show
index route page as /test includes '/' and exact here is prop which is equal to
exact={true}
```

Link

```
//Link works like anchor tag but does not cause page load
//First import -
import {
BrowserRouter as Router,
Route,
Switch,
Link,
} from 'react-router-dom';

//Using Link
<Link to="/">
<img src={logo} className="App-logo" alt="logo" />
</Link>
//On clicking this logo we will goto index page
```

Dynamic linking

```
const Movie = ({ movie }) => (
<div>
<Link to={`/${movie.id}`}>
<img src={`${POSTER_PATH}${movie.poster_path}`} alt={movie.title} />
</Link>
</div>
);
```

Dynamic linking 2

```
<Route path="/:id" component={Test} />
//Accessing id variable from child component -
const Test = ({ match }) => (
<h1>{match.params.id}</h1>
);   //Or we can do {props.match.params.id} and in class based component {this.props.params.id}
```