import React from 'react';

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

// Some folks find value in a centralized route config.

// A route config is just data. React is great at mapping

// data into components, and <Route> is a component.

////////////////////////////////////////////////////////////

// first our route components

function Sandwiches() {

return <h2>Sandwiches</h2>;

}

function Tacos({ routes }) {

return (

<div>

<h2>Tacos</h2>

<ul>

<li>

<Link to="/tacos/bus">Bus</Link>

</li>

<li>

<Link to="/tacos/cart">Cart</Link>

</li>

</ul>

{routes.map((route, i) => (

<RouteWithSubRoutes key={i} {...route} />

))}

</div>

);

}

function Bus() {

return <h3>Bus</h3>;

}

function Cart() {

return <h3>Cart</h3>;

}

////////////////////////////////////////////////////////////

// then our route config

const routes = [

{

path: "/sandwiches",

component: Sandwiches

},

{

path: "/tacos",

component: Tacos,

routes: [

{

path: "/tacos/bus",

component: Bus

},

{

path: "/tacos/cart",

component: Cart

}

]

}

];

// wrap <Route> and use this everywhere instead, then when

// sub routes are added to any route it'll work

function RouteWithSubRoutes(route) {

return (

<Route

path={route.path}

render={props => (

// pass the sub-routes down to keep nesting

<route.component {...props} routes={route.routes} />

)}

/>

);

}

function RouteConfigExample() {

return (

<Router>

<div>

<ul>

<li>

<Link to="/tacos">Tacos</Link>

</li>

<li>

<Link to="/sandwiches">Sandwiches</Link>

</li>

</ul>

{routes.map((route, i) => (

<RouteWithSubRoutes key={i} {...route} />

))}

</div>

</Router>

);

}

export default RouteConfigExample;

EXAMPLE 2

import React from "react";

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

function BasicExample() {

return (

<Router>

<div>

<ul>

<li>

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

</li>

<li>

<Link to="/about">About</Link>

</li>

<li>

<Link to="/topics">Topics</Link>

</li>

</ul>

<hr />

<Route exact path="/" component={Home} />

<Route path="/about" component={About} />

<Route path="/topics" component={Topics} />

</div>

</Router>

);

}

function Home() {

return (

<div>

<h2>Home</h2>

</div>

);

}

function About() {

return (

<div>

<h2>About</h2>

</div>

);

}

function Topics({ match }) {

return (

<div>

<h2>Topics</h2>

<ul>

<li>

<Link to={`${match.url}/rendering`}>Rendering with React</Link>

</li>

<li>

<Link to={`${match.url}/components`}>Components</Link>

</li>

<li>

<Link to={`${match.url}/props-v-state`}>Props v. State</Link>

</li>

</ul>

<Route path={`${match.path}/:topicId`} component={Topic} />

<Route

exact

path={match.path}

render={() => <h3>Please select a topic.</h3>}

/>

</div>

);

}

function Topic({ match }) {

return (

<div>

<h3>{match.params.topicId}</h3>

</div>

);

}

export default BasicExample;