

# React.js

Regards: Hassan Bilal

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**01**

# React Router

```
import { createBrowserRouter, RouterProvider } from "react-router-dom";
```

```
import Layout from "../routes/layout";  
import ErrorPage from "../error-page";  
import ProductDetailPage from "../routes/product-detail";  
import ProductsPage from "../routes/products";  
import ContactPage from "../routes/contact";
```

```
function App() {  
  const router = createBrowserRouter([  
    {  
      path: "/",  
      element: <Layout />,  
      errorElement: <ErrorPage />,  
      children: [  
        {  
          path: "/products",  
          element: <ProductsPage />,  
        },  
        {  
          path: "/products/:productID",  
          element: <ProductDetailPage />,  
        },  
        {  
          path: "/contacts",  
          element: <ContactPage />,  
        },  
      ],  
    },  
  ],  
);  
  return (  
    <div className="App">  
      <RouterProvider router={router} />  
    </div>  
  );  
}
```

# React Router – Import

```
import { createBrowserRouter, RouterProvider } from "react-router-dom";
```



```
import Layout from "../routes/layout";
```

```
import ErrorPage from "../error-page";
```

```
import ProductDetailPage from "../routes/product-detail";
```

```
import ProductsPage from "../routes/products";
```

```
import ContactPage from "../routes/contact";
```



# React Router

```
function App() {  
  const router = createBrowserRouter([  
    {  
      path: "/",  
      element: <Layout />,  
      errorElement: <ErrorPage />,  
      children: [  
        {  
          path: "/products",  
          element: <ProductsPage />,  
        },  
        {  
          path: "/products/:productID",  
          element: <ProductDetailPage />,  
        },  
        {  
          path: "/contacts",  
          element: <ContactPage />,  
        },  
      ],  
    },  
  ])  
};
```

The diagram illustrates the structure of the React Router configuration. A yellow arrow points to the `App()` function. A yellow bracket groups the `children` array, which contains three route objects. A pink bracket groups the entire `router` configuration array, which is passed to `createBrowserRouter`.

# React Router – JSX of App component

```
return (  
  <div className="App">  
    <RouterProvider router={router} />  
  </div>  
);  
}
```

```
export default App;
```



```
import { Link, Outlet } from "react-router-dom";
```

```
function Layout() {
```

```
  return (
```

```
    <>
```

```
      <nav>
```

```
        <ul>
```

```
          <li>
```

```
            <Link to={` /`} >Home</Link>
```

```
          </li>
```

```
          <li>
```

```
            <Link to={` /products`} >Shop</Link>
```

```
          </li>
```

```
          <li>
```

```
            <Link to={` /contacts`} >Your Friend</Link>
```

```
          </li>
```

```
        </ul>
```

```
      </nav>
```

```
      <Outlet />
```

```
    </>
```

```
  );
```

```
}
```



# <QnA>

>

Thanks!

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Regards: Hassan Bilal