

React Router

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React Router

- Collection of navigational components
 - Enables navigation among views
 - Router components, route matching components and navigation components
- Uses a browser-based bookmarkable URLs as an instruction to navigate to a client-generated view in your web app
 - Can also pass along optional parameters

Web App Routing

- Install react-router-dom
- Router component: `<BrowserRouter>`
 - Creates specialized history object
 - Also `<HashRouter>` if you are using a static file server
 - Enclose your app in `BrowserRouter`

Route Matching

- Route matching components: `<Route>` and `<Switch>`
 - `<Route>`'s `path` prop enables specification of the current location's pathname
 - `<Route>`'s `component` prop specifies the corresponding view for the location
 - Using `exact` attribute ensures that the path must be exactly matched
 - `<Redirect>` enables the default route specification
 - `<Switch>` enables grouping together several routes
 - Will iterate over all its children and find the first one that matches the path

Navigation

- Navigation is supported through the `<Link>` and `<NavLink>` components:
 - `<Link>` creates links in your application
 - Will render as `<a>` in the HTML
 - `<NavLink>` also attaches the *active* class to the link when its prop matches the current location