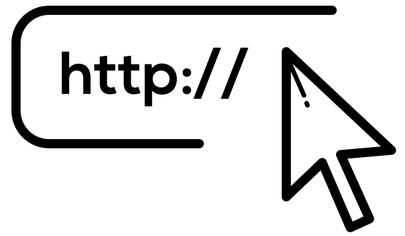
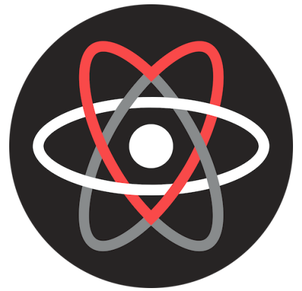
Routing



The process of determining how an app should respond to a client request for a specific endpoint or URL.

It is an important part of the overall application architecture, as it allows different parts of the app to be organized and accessed in a logical and consistent way.

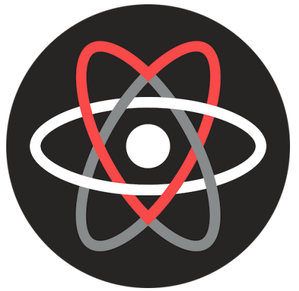
Routing in React



There is no in built library for routing in React. React only provides us with inbuilt library if that is needed to run React.

To get Routing feature, we need to install a third party routing library. The most common one is React Router DOM.

Routing in React



React Router is a standard library for Routing in React.

All the routing in React are instant and does not require the server for the data.

For routings, we make use of react-router-dom library.

react-router-dom Essentials

BrowserRouter - HTML5 History API

Routes - Render only first route

Route - Conditionally show component if path matches the current URL.

Link - Used to create links to different route and implement navigation. Similar to HTML <a> tag.

react-router-dom Hooks

1. useParams
2. useNavigate

Exploring React JS Libraries

react-icons

react-bootstrap

styled-components

styled-components

Styled components enhances the use of CSS in React. CSS-In-JS

- no class name
- easier modification
- dynamic styling
- painless maintenance