**React Learning Journal - Day 4**

Date: [19th jan 2024]

Introduction:

Today's focus was on React Router, a popular library for adding navigation and routing functionality to React applications. Navigation is a crucial aspect of web development, and React Router provides a seamless way to handle it. Here's what I explored on Day 4:

1. Installing and Setting Up React Router:

- Discussed how to install and set up React Router in a React application.

- Explored the use of different components like `BrowserRouter`, `Route`, and `Link` for navigation.

2. Declarative Routing:

- Understood the concept of declarative routing in React Router.

- Explored how to define routes and render components based on the URL.

3. Route Parameters:

- Learned how to work with route parameters to make components more dynamic.

- Explored how to access parameters from the URL within components.

4. Nested Routes:

- Explored the concept of nested routes for building more complex navigation structures.

- How to organize and structure components in a nested route scenario.

5. Programmatic Navigation:

- Explored techniques for programmatically navigating between different routes.

- Learned how to use the `history` object and the `useHistory` hook for navigation.