**React Learning Journal - Day 13**

Date: [12th Feb 2024]

1. React Hooks:

- Introduced to React Hooks as a way to add state and lifecycle features to functional components.

- Explored useState, useEffect, and useContext hooks for managing state, handling side effects, and accessing context in functional components.

2. Custom Hooks:

- Delved into the concept of custom hooks to encapsulate and reuse component logic.

- Created custom hooks for specific functionalities, making it easier to share logic across different components.

3. React Router:

- Started learning React Router for declarative navigation in React applications.

- Explored Route, Link, and useHistory to implement client-side routing and navigation in a single-page application.

4. Unit Testing in React:

- Introduced to unit testing in React using tools like Jest and React Testing Library.

- Set up test suites and wrote test cases to ensure the reliability and functionality of React components.

5. Styling in React:

- Explored different approaches for styling React components, including inline styles, CSS modules, and popular styling libraries like styled-components.

- Implemented styling solutions for a more maintainable and organized codebase.