React Routes

Your assignment is to continue last weeks assignment, by adding routes and a login-prototype. You will install React Router version 6.4 and configure your React app to use routes and links. You will add a layout page, used by all the other pages.

Required Features:

- The site should have a welcome page, with content free of your own choice. The list page from last weeks assignment should be accessible through a link in a header navigation bar.
- Each person in the list should have a link in the list, linking to a personal details page.
- The header shows a link to a login page. If logged in, a logout link should be presented instead.
- The login link takes you to a page with a form that accepts a simple name/string. The name/string entered should be stored in Context. An entered string counts for being logged in.
- Present the login name/string (if logged in) on the welcome page and in the header.

Code Requirements:

- The person details page should have a specific route adress, made up from data in the person data (Ex. *personlist/firstname_lastname*)
- The site should use a layout page, containing a header (Ex. *"Home", "Personlist",* [login string] *"Login/Logout"*)
- A context provider should be added to the index.js page. A context consumer should be added where needed to fulfill the feature and code requirements.
- Only functional components. For context, use the hook useContext.
- No JavaScript manipulation of the DOM.
- When a React router link is clicked, the web page should not reload but the url should reflect the change

Optional:

- Add buttons for "Previous page" (useHistory)
- Add a theme button that changes the site style (useContext)

Resources:

- https://reactjs.org/docs/hooks-reference.html#usecontext
- https://reactjs.org/docs/context.html
- https://reactrouter.com/en/main

Subjects Covered:

- React
  - React router
  - useContext