

React Project Assignment Summary

****Refer to the picture given below:**

Overview

Build a React-based web application with a counter, user data form, and rich text editors. Utilize Material UI/ Chakra UI/ Next UI, React Spring, TS, React charts, and React Router.

Functional Requirements:

1. Counter Component

- Create buttons for increment, decrement, and reset.
- Maintain count across re-renders.
- Overall background should be a level/height of colour and it should increase in a linear manner(preferably bezier curve)
- reset should reset the level of colour in background to 0

2. User Data Form

- Design a form for user data (name, address, email, phone).
- Autogenerate user ID and save data to local storage/RTK on form submission.
- Show unsaved changes pop if there are unsaved change in the form if user tries to close the browser

3. Rich Text Editors

- visualise user data in rich text editor
- Integrate editors with formatting options (bold, italic, underline, lists).
- Data Persistence

4. Additional Features(optional)

- = User Authentication google signIn with safe private route and public route
- Implement sign-in and sign-up.
- Use mock authentication for validation.
- Dashboard Visualization

- = Create a dashboard with counter and user profile visuals.
- Utilise React charts to display user profile trends.

Use functional components with hooks.

Utilise React Router for routing.

Ensure smooth animations with React Spring.

Deliverables:

Source code repository with commits.

Report on component structure and state management choices.

