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Completed the project named as phase_03_ReactJS routing with login protection

TECHNOLOGY PROJECT NAME : ReactJS routing with login protection

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Project Setup

- ❖ Initialize React project and install dependencies (react-router-dom)

- ❖ Define folder structure for components, pages, and routes

- ❖ Set up GitHub repository for collaborative work

Core Features Implementation

❖ Build multi-page navigation with React Router

❖ Create public routes: Home, About, Login

❖ Implement private routes with authentication checks (e.g., Dashboard)

Data Storage (Local State / Database)

❖ Use useState/useContext for handling login state

❖ Store session temporarily in local state for MVP

❖ Plan extension with localStorage or a backend database for persistence

Testing Core Features

❖ Verify navigation across pages works smoothly

❖ Test route protection: unauthorized users redirected to login

❖ Ensure login/logout updates the state correctly

Version Control (GitHub)

❖ Maintain project in GitHub repository

❖ Use branching strategy for clean development (main, dev)

❖ Regular commits and pull requests to track progress