FrontEnd Task-3

Front End Task-3: Integrating Signup & Login with Backend

Building upon Task-2, this task involves connecting the form with a backend, handling user authentication with JWT tokens, and creating protected routes.

Requirements:

1. Pages:

   - Sign Up Page:

       ○ Reuse the form from Task-2. (Enhance its UI)

       ○ Upon successful registration, redirect to the Login page.

   - Login Page:

       ○ Create a form for Username and Password.

       ○ Upon successful login, store access and refresh tokens.

       ○ Redirect to the Main page.

   - Main Page:

       ○ This page is protected and only accessible to logged-in users.

       ○ Display the user's information and provide a Logout button.

       ○ Upon logging out, prevent access to this page until the user logs in again.

2. API Requests:

   - Register: Send a request to register the user.

   - Login: Authenticate the user and store JWT tokens.

   - Logout: Invalidate the user session.

   - Refresh Access Token: Refresh the token automatically.

   - Change Password: Allow users to update their password.

   - Update User Details: Enable users to edit profile information.

   - Current User: Fetch the authenticated user's details.

3. Authentication Flow:

   - Securely store the JWT tokens using cookies or local storage.

   - Handle token refresh when the access token expires.

4. Protected Routes:

   - Allow only logged in users to access the Main page.

   - Redirect unauthenticated users to the Login page.

5. State Management:

   - Manage user authentication and token states globally using Context API.

6. Styling:

   - Use the CSS frameworks like Tailwind, Bootstrap, or Material UI for consistent design.

Bonus Points:

1. Password Strength Meter: Add a visual indicator for password strength.

2. JWT Token Expiry Handling: Automatically refresh tokens using Axios interceptors.

3. Remember Me Option: Maintain the session across browser restarts with a "Remember Me" checkbox.

4. Form and Page Animations: Use libraries like React Transition Group or Framer Motion for smooth transitions.

Postman Collection To Be Used:

https://auth-backend.postman.co/workspace/Team-Workspace~cbeb0e24-3b93-4813-8eed-99461f54eb9b/collection/38735843-7fbdc17e-8

https://auth-backend.postman.co/workspace/Team-Workspace~cbeb0e24-3b93-4813-8eed-99461f54eb9b/collection/38735843-7fbdc17e-8009-4e86-ab35-12

Some resources:

Postman Application Video