

Repository Structure

A (ChatGPT) suggested repository structure.

```
/project-root
|
├── /public          # Static files like images, icons, fonts, etc.
|   ├── /images      # Image assets
|   ├── favicon.ico   # Favicon for the app
|   └── index.html     # Main HTML file for React app
|
├── /src             # Source files for your React app
|   ├── /__tests__    # Test files for you app
|   |   └── LoginPage.test.js # Example: LoginPage tests
|   ├── /components    # Reusable components across your app
|   |   └── Timetable.js   # Example: Timetable component
|   ├── /pages         # Different routes/pages in your app
|   |   ├── HomePage.js   # Main landing page
|   |   ├── LoginPage.js   # User login page
|   |   └── Dashboard.js   # User dashboard for timetable
|   ├── /hooks         # Custom React hooks for reusable logic
|   |   └── useAuth.js     # Example: Hook for Supabase authentication
|   ├── /services      # Services for interacting with Supabase
|   |   ├── supabaseClient.js # Supabase initialization and client logic
|   |   └── api.js        # API functions to interact with Supabase (e.g., fetching courses, timetable data)
|   ├── /utils         # Utility functions/helpers
|   |   └── formatDate.js  # Example: Utility function for formatting dates
|   ├── /context       # Context for global state management (e.g., Auth context)
|   |   └── AuthProvider.js # Context API for user authentication state
|   ├── /styles        # CSS/SCSS or styled-components for styling
|   |   └── Timetable.css  # Example: Styling for timetable component
|   ├── /assets        # Any local assets (fonts, logos, etc.)
|   ├── App.js         # Main app entry point
|   ├── index.js       # Main file that renders the React app
|   └── routes.js       # Define your React Router routes
|
├── /.github          # GitHub-specific configurations
|   ├── /workflows    # GitHub Actions workflows
|   └── main.yml       # CI/CD workflow configuration
|
├── /node_modules     # Auto-generated by npm
├── .env.local        # Environment variables for Vercel/Supabase config
├── .gitignore        # Git ignore file
├── package.json      # Project dependencies and scripts
├── README.md         # Project documentation
└── vercel.json       # Vercel configuration (optional)
```