Frontend Architecture Overview

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src/

├── components/ # Reusable UI components

│ ├── common/ # Shared components

│ │ ├── Navbar.jsx # Navigation bar

│ │ ├── Footer.jsx # Footer component

│ │ ├── LoadingSpinner.jsx # Loading indicator

│ │ └── ErrorMessage.jsx # Error display component

│ ├── auth/ # Authentication related components

│ │ ├── LoginForm.jsx # Admin login interface

│ │ └── ProtectedRoute.jsx # Route protection for admin areas

│ ├── dashboard/ # Dashboard components

│ │ ├── Dashboard.jsx # Main dashboard page

│ │ ├── SummaryStats.jsx # Summary statistics component

│ │ ├── PlacementChart.jsx # Chart for placement data

│ │ └── InternshipChart.jsx # Chart for internship data

│ ├── dataEntry/ # Data entry components

│ │ ├── DataEntryForm.jsx # Form for adding/editing records

│ │ └── SuccessMessage.jsx # Confirmation component

│ └── dataTable/ # Table view components

│ ├── DataTable.jsx # Table component for all records

│ └── FilterControls.jsx # Filtering controls for table

├── pages/ # Page components

│ ├── HomePage.jsx # Landing page

│ ├── DashboardPage.jsx # Container for dashboard components

│ ├── DataEntryPage.jsx # Container for data entry components

│ ├── TableViewPage.jsx # Container for table view

│ └── LoginPage.jsx # Login page

├── context/ # React context for state management

│ ├── AuthContext.jsx # Authentication state

│ └── DataContext.jsx # Data state management

├── api/ # API interaction

│ ├── apiClient.js # Axios or fetch configuration

│ ├── authApi.js # Authentication API calls

│ └── dataApi.js # Data CRUD operations

├── utils/ # Utility functions

│ ├── validators.js # Form validation functions

│ └── formatters.js # Data formatting helpers

├── hooks/ # Custom React hooks

│ ├── useAuth.js # Authentication hook

│ └── useDataFetch.js # Data fetching hook

├── assets/ # Static assets

│ ├── images/ # Image files

│ └── styles/ # CSS/SCSS files

├── App.jsx # Main application component

├── index.jsx # Entry point

└── routes.jsx # Application routes

Final structure

src/

├── assets/ # Static assets (images, styles)

├── components/

│ ├── auth/ # Authentication components

│ ├── common/ # Shared UI components

│ │ ├── ErrorMessage.jsx

│ │ ├── Footer.jsx

│ │ ├── LoadingSpinner.jsx

│ │ ├── Navbar.jsx

│ ├── dashboard/

│ │ ├── Dashboard.jsx

│ │ ├── InternshipChart.jsx

│ │ ├── PlacementChart.jsx

│ │ ├── SummaryStats.jsx

│ ├── dataentry/

│ ├── datatable/

├── pages/

│ ├── HomePage.jsx

│ ├── DashboardPage.jsx

│ ├── DataEntryPage.jsx

│ ├── TableViewPage.jsx

│ ├── LoginPage.jsx

├── context/ # React Context API

│ ├── AuthContext.jsx

├── api/ # API functions

│ ├── apiClient.js

│ ├── authApi.js

│ ├── dataApi.js

├── hooks/ # Custom hooks

│ ├── useAuth.js

│ ├── useDataFetch.js

├── utils/ # Utility functions

│ ├── validators.js

│ ├── formatters.js

├── App.jsx # Main App component

├── routes.jsx # Route definitions

├── index.jsx # React entry point (missing in your screenshot)

└── .gitignore # Git ignore file