

# Frontend Structure & Setup

## Project Structure



## Tech Stack

- **React 18** - UI framework
- **Vite** - Build tool (fast, modern)
- **React Router** - Navigation
- **Tailwind CSS** - Styling
- **Axios** - API requests
- **Lucide React** - Icons

## Features

### For All Users:

- ☒ Login & Registration
- ☒ Project management (CRUD)
- ☒ Chat interface with AI
- ☒ Real-time messaging
- ☒ Share projects/chats
- ☒ User profile

### For Admin Users (Additional Tab):

- ☒ Create new users
- ☒ View all users
- ☒ Add/manage API keys
- ☒ View usage statistics
- ☒ Enable/disable keys

## Navigation Structure

### Regular User View:

| [Projects] [Chats] [Profile] |

### Admin User View:

| [Projects] [Chats] [Admin] [Profile] |

## Installation

```
bash
```

```
cd frontend
```

```
npm install
```

```
npm run dev
```

## Build for Production

```
bash
```

```
npm run build
```

This creates optimized static files in `dist/` directory.