

# CharteredPro Application Documentation

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## Introduction

CharteredPro is a responsive web application designed to help users search for Chartered Accountants efficiently. The app aims to provide a seamless experience for finding, filtering, and accessing detailed information about accountants. It is built with modern web technologies ensuring responsiveness and scalability.

## Application Features

### Search Bar:

Real-time dynamic suggestions for quick searches.

### Result List:

Display accountants in a responsive grid layout.

Includes name, profile picture, email, and quick navigation to detail pages.

### Detail View:

Full profile of a selected Chartered Accountant with detailed information.

### **Responsiveness:**

Works smoothly across devices, from mobile to desktop.

### **Loading Indicators:**

Show loading states while fetching data.

### **Error Handling:**

Graceful messages like "No results found" or "Unable to load data."

## **Technology Stack**

### **Frontend:**

ReactJS for UI and state management.

Tailwind CSS for styling and responsive design.

### **Backend/Services:**

RESTful APIs for fetching Chartered Accountant data.

### **Build Tools:**

Vite for fast development and build process.

### **Version Control:**

Git/GitHub for source control.

## **File Structure**

charteredpro/	# Root folder of the project
├─ src/	# Source folder for all React code and assets
└─ api/FetchAccount	# Directory for API requests related to fetching account data
└─ assets	# Directory for static assets like images or fonts
└─ components/	# Reusable UI components like search bar and result display
└─ SearchBar.jsx	# Search input component with dynamic suggestions
└─ ResultList.jsx	# Component for displaying the list of search results
└─ DetailsPage.jsx	# Detailed view of Chartered Accountant information

└─ Footer.jsx	# Footer component used across the app
└─ NavBar.jsx	# Navigation bar component for app routing
└─ pages/	# Pages for different app views
└─ Account.jsx	# Page for displaying Chartered Accountant list or search results
└─ Homepage	# Landing page of the app
└─ About.jsx	# About page describing the app or company
└─ Details.jsx	# displaying more information for Chartered Accountants
└─ ContactUs.jsx	# Page containing contact information or form
└─ styles/	# Tailwind and custom styles
└─ App.jsx	# Main app structure
└─ main.jsx	# App entry point
└─ .gitignore	# Git ignore file to exclude unnecessary files from Git tracking
└─ db.json	# Mock database for simulating API responses
└─ package-lock.json	# Locks down the exact versions of dependencies used in the project
└─ public/	# Static assets
└─ package.json	# Dependencies and scripts
└─ postcss.config.js	# Configuration for PostCSS (usually for CSS build tools)
└─ tailwind.config.js	# Tailwind CSS configuration file for customizations
└─ README.md	# Project documentation
└─ vite.config.js	# Vite build tool configuration file for project setup

## Components Overview

### SearchBar.jsx

Purpose: Provides a dynamic search input field with real-time suggestions.

Props: users (list of users), onSelect (callback when an accountant is selected).

### ResultList.jsx

Purpose: Displays a grid of Chartered Accountants with essential details.

Props: users (filtered list of accountants).

### **DetailsPage.jsx**

Purpose: Shows full details of a selected Chartered Accountant.

Props: id (selected accountant's unique identifier).

## **API Management**

### **Folder Structure**

src/api/ contains logic to interact with the mock backend. It uses Axios for efficient data fetching.

fetchAccount.js

Handles API requests to interact with the JSON server.

Mock Database (db.json)

Sample data stored in the db.json file:

## **Key Functionality**

### **Dynamic Search:**

Filters user data dynamically as you type.

### **Navigation:**

Navigate to the details page via React Router.

### **Responsive Design:**

Adapts the layout based on device screen size.

## **User Interface**

The UI includes:

### **HomePage :**

1. Hero Section

A visually impactful banner with a short description and a call-to-action (CTA) button.

## 2. Key Features Section

Highlight the app's main features using icons or visuals.

## 3. How It Works Section

### **Account :**

A step-by-step process on using the application. A Search Bar with placeholder text and autocomplete suggestions.

A Result Grid showcasing a clean layout for accountant profiles.

A Details Page for in-depth information.

Error and Loading States.

### **AboutUs :**

Key Additions:

Vision Statement: Added content focusing on the platform's vision to enhance accessibility and promote global financial standards.

Expanded "Why Choose Us" Section: Included additional benefits and features of the platform.

"What We Offer" Section: Highlighted specific services such as taxation, auditing, financial advisory, and bookkeeping

"Our Commitment to You" Section: Reassures visitors of the platform's integrity, professionalism, and customer focus.

### **ContactUs :**

Contact Form: Includes fields for name, email, subject, and a message box, with styling.

Contact Details: Displays the company's address, phone numbers, and email for direct communication.

Social Media Links: Provides links to popular social media platforms, using Font Awesome icons for a modern touch.

Dependencies:

Font Awesome icons for the social media links: Install by adding the CDN link in your project or using the npm package @fortawesome/react-fontawesome.

## Future Enhancements

### **Sorting and Filtering:**

Add options for sorting by name, location, or specialty.

### **Pagination:**

Implement pagination for large datasets.

### **User Authentication:**

Allow users to save their favorite accountants.

### **Map Integration:**

Display accountant locations on an interactive map.

## Support and Contact

For questions or support, contact:

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GitHub Repository: <https://github.com/om7499/CharteredProApp>

Online Link : <https://aesthetic-kelpie-1a9c25.netlify.app/>