Estate Vista - A Real Estate MERN Stack project

The Estate Vista project is a dynamic and feature-packed platform designed to redefine how users interact with property listings. Leveraging the MERN (MongoDB, Express.js, React, Node.js) stack, this project seamlessly integrates modern technologies to create a robust and user-friendly experience. The Real Estate website project aims to set new standards in the real estate industry by offering a modern, intuitive, and secure platform for users to explore, inquire, and engage with property listings. Whether you are a potential buyer, seller, or administrator, this project caters to diverse users, providing a seamless and enjoyable real estate experience.

Requirements Document

Project Overview

The project aims to create a Real Estate website using the MERN stack. The website will allow users to browse and search for real estate listings and incorporate Google authentication for user login.

Functional Requirements

User Authentication:

- Users should be able to register and log in using their Google credentials.
- Only authenticated users can access certain features, such as adding properties to the website and can edit the listing.
- Password reset functionality will be added.

Property Listings:

- Display a list of available properties with details like images, price, location, and description.
- Users should be able to filter properties based on criteria such as location, price range, sorting, and property type.
- Users can add a property to its listing and edit it too.

Property Details:

- Clicking on a property should give a detailed view with more information about the selected property.

Profile Details:

- Users can update their profile details, like changing their profile picture, password, etc.

Non-functional Requirements

Performance:

- The website should load quickly and handle a large number of concurrent users.
- Optimize database queries for efficient property retrieval.

Scalability:

- The architecture should be scalable to accommodate future growth in terms of users and listings.

Security:

- User data should be securely stored and transmitted using encryption protocols.
- Google authentication should be implemented following best practices to prevent unauthorized access.

User Experience:

- Design the user interface to be intuitive and user-friendly.
- Ensure responsiveness for various devices and screen sizes.

User-Friendly Interface:

- The user interface should be intuitive and easy to navigate, ensuring a positive user experience.
- Responsive design principles should be applied to ensure compatibility across various devices and screen sizes.

Compatibility:

- The website should be compatible with popular web browsers such as Chrome, Firefox, Safari, and Edge, as well as different operating systems.

The flow of the website