StayVista Website Requirement

We're seeking a bright and curious Junior MERN Stack Developer to join our awesome team. You'll get to work side-by-side with our expert developers on cutting-edge projects using hot technologies like MongoDB (databases), Express.js (backend), React.js (frontend), and Node.js (runtime environment). This is your chance to level up your skills and be a part of building innovative web applications that make a real impact.

**Read this document carefully and try to fulfill all the requirements.** Make your website stunning!

● **Easy on the Eyes:** Use color combinations that are pleasant to look at and avoid harsh contrasts.

● **Keep it Clean:** Move away from a cluttered "gobindo" design (think lots of elements scattered together).

● **Organized & Balanced:** Ensure all elements on the website are properly aligned and have enough space.

● **Component Customization:** Even if you're using pre-built components from libraries like Daisy UI, don't be afraid to customize them! Change the styling to fit your website's unique look and feel, instead of just copying and pasting the default design.

**Website Theme: (Room Rental Website)**

The goal is to develop a user-friendly hotel booking platform similar to [Airbnb](https://airbnb.com), providing a seamless experience for users to browse, filter, book, and manage accommodations. The platform will serve both guests and hosts, facilitating property listings, bookings & secure transactions. Admin roles will also be there to monitor overall statistics and manage user roles.

**Key Rules:**

**●** Include a minimum of 18 notable GitHub commits on the client side **●** Include a minimum of 8 notable GitHub commits on the server side **●** Add a meaningful readme.md file with the name of your website and a live

site URL. Include a minimum of five bullet points to feature your website. **●** Make it responsive for all devices. You need to make it responsive for mobile, tablet and desktop views.

● After reloading the page of a private route, the user should not be redirected to the login page.

● Use the Environment variable to hide the Firebase config keys and Mongodb credentials.

● Don’t use any Lorem ipsum text; you can not use the default alert to show any error or success message.

# Key Features:

## Registration, Login and Profiles:

* Users can create accounts as guests.
* Profile creation with email, password, name & photo upload.
* Registered Users can Login using their credentials.
* Sign In with google popup feature.
* Secure with JWT. (Store token in browser cookie)

## Guest Role:

Logged in users will be assigned to **guest role** by default.

* Guests can book available rooms.
  + Secure booking system for guests to reserve properties.
  + Instant booking or host approval options.
  + Calendar integration for managing reservations.
* Dashboard:
  + Statistics Page
  + Booking Management Page
  + Guests can request for a host role.
  + Detailed Profile page with profile info & update action buttons.

## Host Role:

Logged in users (guests) can request for a host role. Once admin approves the request, users can then login as host.

* Extends all the features of guests.
* Dashboard:
  + Statistics Page
  + Add Room Page for listing Rooms.
    - Hosts can list their properties for rent.
    - Property details including photos, descriptions, amenities, availability, and pricing.
  + My Listing Page for managing added rooms.
  + Booking Management Page.
  + Detailed Profile page with profile info & update action buttons.

## Admin:

* Dashboard:
  + Statistics Page
  + User Management Page
    - Change user roles based on request.
  + Detailed Profile page with profile info & update action buttons.

## Notifications:

* Implement Automatic Email Notification system for Booking actions/ User actions.

## Payments and Transactions:

* Secure payment gateway integration using Stripe.

# Technical Requirements:

## Platform:

* Web-based application accessible across devices (desktop, mobile, tablet).

## Database:

* Robust database to manage user data, property listings, bookings.

## Security:

* Implement encryption, secure payment gateways, and user data protection measures.

## Scalability:

* Design with potential scaling in mind as the user base grows.

## Performance:

* Fast loading times and smooth user experience.

# Conclusion:

This brief should offer a high-level overview of what's needed. The actual document would go into more depth, breaking down each feature, specifying technologies, design requirements, and more.