**Business Requirements Specification (BRS)**

**Project Name**

Website for Booking PG Hostels, Hotels, and Flatmates

**Purpose**

To create a user-friendly platform that enables users to:

* Book PG hostels and hotels.
* Find and connect with potential flatmates.

**Scope**

1. **PG Hostels**:
   * Users can search, compare, and book PG accommodations.
   * Filters include location, price range, amenities, and room type (single, shared).
2. **Hotels**:
   * Users can search for hotels and make bookings.
   * Filters include location, price range, star ratings, and amenities (Wi-Fi, breakfast, parking).
3. **Flatmates**:
   * Users can find potential flatmates by creating or browsing listings.
   * Filters include location, budget, gender preference, and lifestyle choices.
4. **User Management**:
   * User registration and login system.
   * OTP verification for secure signup/login.
   * Profiles for users to manage bookings and preferences.

**Functional Requirements**

**Search and Filters**

* Location-based search functionality.
* Filters for:
  + **PG Hostels**: Budget, gender preference, food options, and room sharing.
  + **Hotels**: Ratings, price, location, and availability.
  + **Flatmates**: Budget, lifestyle preferences, and proximity to workplace/college.

**Booking System**

* Dynamic booking for PGs and hotels with availability check.
* Payment gateway integration (supporting cards, UPI, and wallets).
* Email/SMS notifications for booking confirmations.

**Property Listings**

* Upload multiple images for properties.
* Detailed descriptions including price, address, amenities, and rules.
* Interactive maps for location visualization.

**Flatmate Connect**

* Users can create profiles with preferences (budget, gender, lifestyle).
* Matchmaking algorithm to suggest compatible flatmates.
* In-app messaging for secure communication.

**Non-Functional Requirements**

1. **Performance**:
   * Ensure fast loading times (<3 seconds).
   * Support up to 1 million users simultaneously.
2. **Scalability**:
   * System should scale with increasing users and properties.
3. **Security**:
   * Secure user data with HTTPS and encryption.
   * Secure payment gateway integration (PCI-DSS compliance).
4. **Responsiveness**:
   * Fully responsive design for desktop, tablet, and mobile devices.
5. **Accessibility**:
   * Follow WCAG 2.1 guidelines to make the platform accessible to all users.

**Technical Requirements**

1. **Frontend**:
   * Framework: Angular or React
   * Styling: Bootstrap or Tailwind CSS
2. **Backend**:
   * Language: PHP or Node.js
   * Database: MySQL for structured data (properties, bookings, users).
3. **Hosting and Domain**:
   * Hosting platform: AWS, WebSpaceKit, or similar.
   * Custom domain for branding.
4. **APIs**:
   * Google Maps API for location-based search.
   * SMS/email APIs for notifications (e.g., Twilio, SendGrid).

**Deliverables**

1. Fully functional website with the following pages:
   * Home
   * Search and Listings (PG, Hotels, Flatmates)
   * User Profile and Dashboard
   * Booking Confirmation and Payment
   * Contact Us and FAQs
2. Admin panel to manage listings, bookings, and users.
3. Testing and deployment on live hosting.

**Constraints**

1. Limited budget for initial development.
2. Development timeline of 3–4 months.

**Acceptance Criteria**

1. The website should function smoothly across all devices.
2. All functionalities (search, filters, booking, payments) must work as described.
3. Secure user authentication and data management.

Let me know if you'd like additional details or changes to t

Here are a few domain name suggestions for your PG hostels, hotels, and flatmates search and booking website:

1. **HostelMatch.com**
2. **RoomSearchPro.com**
3. **StayMate.com**
4. **BookMyStayNow.com**
5. **HostelFinderHub.com**
6. **LiveInHostel.com**
7. **FlatMateFinders.com**
8. **StayFlexi.com**
9. **HostelNook.com**
10. **RoomRentalsNow.com**

These names combine keywords related to hostels, hotels, and flatmates. To find out if they are available, you can use domain name generators from services like **Instant Domain Search** or **Namecheap**​

[Namecheap](https://www.namecheap.com/domains/domain-name-generator/)

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[Instant Domain Search](https://instantdomainsearch.com/domain-generator)

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##### You said:

booking website: HostelMatch.com RoomSearchPro.com StayMate.com BookMyStayNow.com HostelFinderHub.com LiveInHostel.com FlatMateFinders.com StayFlexi.com HostelNook.com RoomRentalsNow.com please give the meaning ofr thus names

###### ChatGPT said:

ChatGPT

Here are the meanings of the suggested domain names for your booking website:

1. **HostelMatch.com**  
   Suggests a platform that connects people to suitable hostels, like a matchmaking service for travelers seeking accommodation.
2. **RoomSearchPro.com**  
   Implies a professional search tool for finding rooms, targeting people looking for efficient room rental options.
3. **StayMate.com**  
   Combines "stay" (accommodation) and "mate" (companion or friend), suggesting a platform for people to find lodging and possibly roommates or flatmates.
4. **BookMyStayNow.com**  
   A direct and action-oriented name, suggesting the ability to book accommodation instantly—perfect for users looking for a quick booking solution.
5. **HostelFinderHub.com**  
   A "hub" for finding hostels, emphasizing a central location for searching various hostel options.
6. **LiveInHostel.com**  
   Focuses on the experience of staying in a hostel, with "live" suggesting an immersive or long-term stay.
7. **FlatMateFinders.com**  
   A name focused on helping people find flatmates, indicating a platform for matching individuals to shared living spaces.
8. **StayFlexi.com**  
   Suggests flexibility in booking accommodations, possibly implying flexible dates, types of stays, or payment options.
9. **HostelNook.com**  
   A cozy, personal touch to finding hostels, with "nook" implying a comfortable, smaller space, perfect for backpackers or budget travelers.
10. **RoomRentalsNow.com**  
    Implies an immediate solution for finding rental rooms, with "now" adding urgency, suggesting fast action for users seeking accommodation.