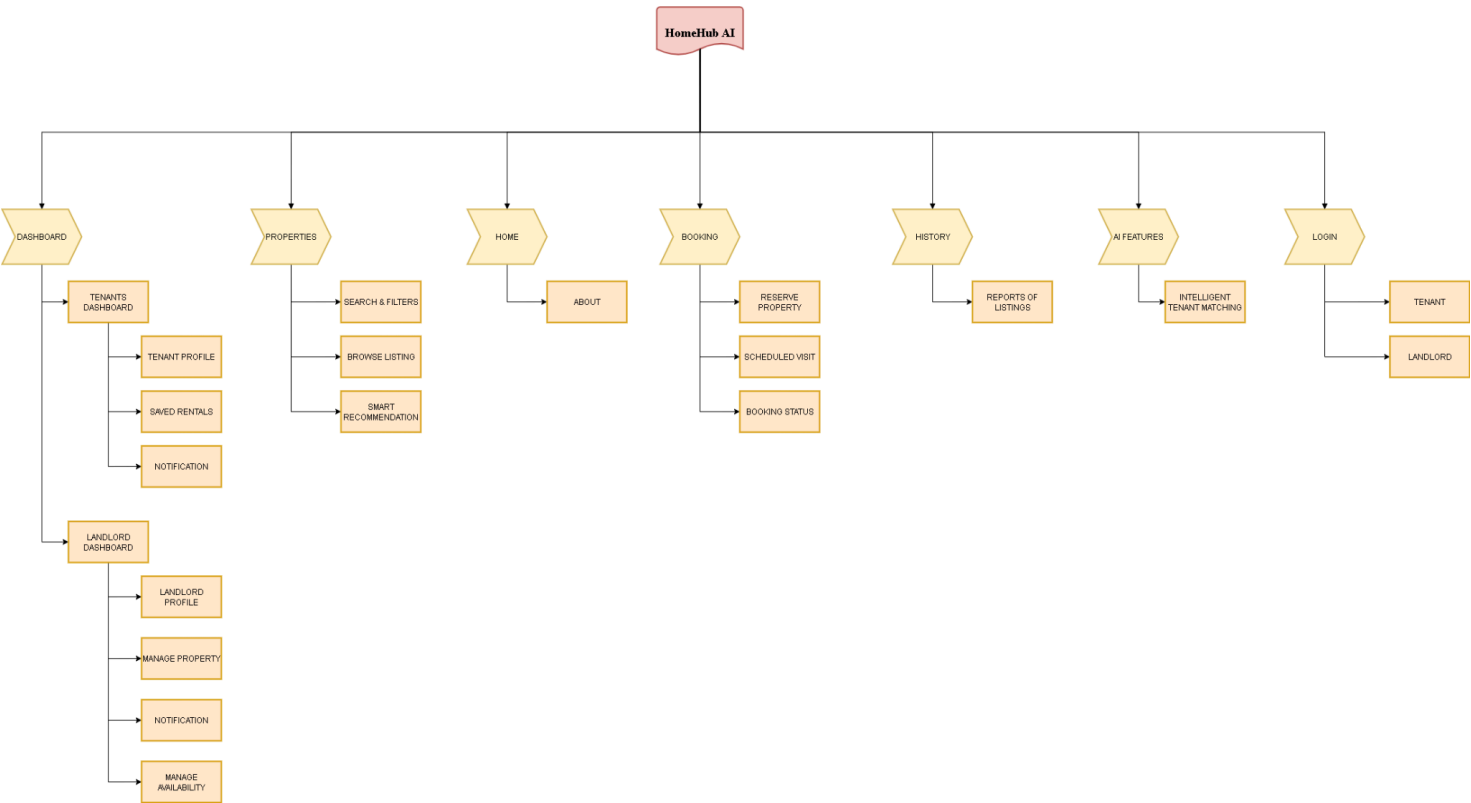# HomeHub AI: A Rental Marketplace with Intelligent Tenant Matching and Smart Booking

Sitemap Diagram

HomeHub AI (Main System)
- HomeHub AI provides a centralized platform that links tenants and landlords in an intelligent and efficient method. It includes AI-powered capabilities that personalize rental experiences. The system's user-friendly interface allows for easy property browsing, booking, and maintenance.

Dashboard
- The dashboard acts as the central hub where users can access an overview of their activities. It displays key information such as notifications, upcoming visits, property status, and recent actions. Both tenants and landlords have customized dashboards tailored to their specific needs, ensuring efficient navigation and management.

- ● **Tenant Dashboard**
  - The Tenant Dashboard serves as the central hub for tenants to manage their rental activities. It provides quick access to their profile, saved rentals, and system notifications. With these tools, tenants can easily track preferences, revisit favorite properties, and stay updated on booking activities.

1. **Tenant Profile**
   - Stores tenant information and preferences, which also improve AI recommendations.
2. **Saved Rentals**
   - Allows tenants to bookmark properties they are interested in for future reference.
3. **Notification**
   - Keeps tenants updated on bookings, scheduled visits, recommendations, and landlord responses.

- **Landlord Dashboard**
  - The Landlord Dashboard provides property owners with a centralized space to manage their listings and monitor tenant interactions. It gives direct access to profile management, property updates, notifications, and availability settings. This ensures landlords can efficiently handle their rental business while staying informed in real time.

    1. **Landlord Profile**
       - Stores the landlord's information, policies, and contact details for tenant reference.
    2. **Manage Property**
       - Allows landlords to create, edit, delete, and maintain property listings with accurate details.
    3. **Notification**
       - Keeps landlords updated on tenant inquiries, bookings, and other important activities.
    4. **Manage Availability**
       - Enables landlords to control the availability status of their properties to avoid scheduling conflicts.

Properties
- This section provides tenants with the tools to discover and evaluate rental properties on the platform. It combines browsing, filtering, and AI-powered recommendations to simplify the search process. By offering tailored results, it ensures tenants quickly find properties that best match their needs.

- **Search & Filters**
  - Lets tenants refine their search based on budget, size, location, or features. This makes finding suitable rentals faster and easier.
- **Browse Listing**
  - Provides a detailed view of each property with images and descriptions. Tenants can explore multiple options before making a decision.
- **Smart Recommendation**
  - Suggests properties based on tenant preferences and activity. The AI ensures personalized and relevant results.

Home
- The platform's home page serves as the gateway, welcoming new users and directing them to important actions. It draws attention to the platform's main features. The design makes a professional initial impact while guaranteeing simple navigation.

- **About**
    - An outline of the platform's goals, core principles, and distinctive offerings may be found on the "About" page. By outlining the issue the platform addresses and the benefit it offers to both landlords and tenants, it promotes assurance. Users are reassured of the platform's dependability and reputation is reinforced by this page.

Booking
- Tenants can start their search for a property of their choice using the Booking section. By integrating the stages for payment or confirmation, availability, and property details, it simplifies the workflow. This function lowers obstacles to obtaining rentals and guarantees efficiency.

- **Reserve Property**
    - Tenants can use the Reserve Property to lock in an apartment immediately. By ensuring that the listing has been preserved for the specified period of time, it offers peace of mind. This lessens the likelihood of forfeiting a selected property and decreases competition.

- **Scheduled Visit**
    - Tenants can set up in-person property visits using the Scheduled Visit function. It offers a practical system for scheduling that allows landlords and tenants to collaborate on accessibility. During the reservation process, this enhances cooperation and lowers miscommunications.

- **Booking Status**
    - Cancellations that have been processed or in progress, pending of decision and approval of booking are tracked on the Status of Cancellation page. It guarantees that renters are aware of landlord announcements and procedural phases. This openness preserves user confidence and helps avoid conflicts.

History
- In this section, tenants can view the number of times a property was viewed and number of bookings that were made. Furthermore, the number of cancellations.

- **Availability of Property Listing**
    - Landlords can use this feature to keep track of which of their rental properties are active or vacant. Tenants are less likely to be bewildered or disappointed because it guarantees they only see up-to-date listings. It increases user and platform confidence by upholding accuracy.

AI Features
- The platform's intelligent tools are highlighted in the AI Features section. Tenants can locate properties more easily and landlords can handle matches more easily courtesy of these customized tools. By providing additional features than conventional rental websites, it sets the platform apart.

- **Intelligent Tenant Matching**
  - This service matches owners with tenants who most closely satisfy the requirements of their property using AI. By improving compatibility and decreasing mismatches, it saves time. A more precise and effective matching mechanism is advantageous to both sides.

Login
- Both landlords and tenants can enter securely using the Login page. After confirming user credentials, it takes users to dashboards tailored to their roles.
- **Tenant**
  - After logging in, tenants can use booking tools, dashboards, property searches, and personal profile management. Their process is made to make it easier to locate, save, and book rental properties. A targeted and easy-to-use experience is guaranteed by this role-based approach.
- **Landlord**
  - Tools for managing property listings, availability, and bookings are displayed to landlords who log in. They can also keep up their professional profile and monitor inquiries from tenants. The approach lessens the administrative burden on landlords while maximizing occupancy.