**Requirement Document of HomeFinder**

1. **Introduction**

The HomeFinder Project is designed to find a Flat or PG or Hostel. This project provide a platform that lets you rent a property without paying any brokerage. You can use their verified listing to ensure you get your dream property by contacting the property owner directly.

1. **Actors and Roles**

**2.1 User**

* **Login and Profile:** User can log in and maintain their profiles.
* **Search Property:** User can search property on the basis on location and rent.

**2.2 Owner**

* **Property details:** Owner can add property details and also update and delete property details.

**2.3 Admin**

* **Approve and block property details:** Admin can approve and block property details.

1. **Functional Requirements**

**3.1 User Authentication**

* Implement user authentication and role-based access control for users.

**3.2 Room Search**

* User should be able to search for Sharing Room/Flat/PG on the basis of location and rent.

**3.3 Owner Add Room Details**

* Owner should be able to add, update and delete property details.

**3.4 Room Details Management**

* Admin should be able to approve and block property details.

**3.5 Data Storage**

* Store user profiles, room details and history in a secure database.

**4. Non-Functional Requirements**

* **Security:** Implement data encryption, access controls, and user authentication.
* **Performance:** Optimize database queries and use caching for quick response times.
* **Scalability:** Design the system to find best home for user.
* **Usability:** Ensure an intuitive user interface and user-friendly interactions.
* **Maintenance:** Plan for regular updates, bug fixes, and user support.

1. **Project Timeline and Budget**

The HomeFinder project timeline for developing this project could be around 3 weeks depending on factors like complexity and resources.

1. **Maintenance and Support**

Establish a maintenance plan for regular updates, bug fixes, and feature enhancements. Provide user support and documentation for system usage.