**PG/HOSTEL MANAGEMENT SYSTEM**

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ABSTRACT

A PG (Paying Guest) or hostel management system is a software designed to streamline and automate the various tasks and processes involved in managing a PG accommodation facility or hostel. Such systems are typically used by administrators and managers to efficiently manage room assignments, reservations, billing, guest information, and other aspects of the facility. This provides the list of PGs and hostels based on location. This system aims to enhance the overall experience for guests, residents, and staff by providing efficient tools for reservation management, room allocation, billing, communication, and more. A PG or hostel management system is a digital platform that offers a centralized hub for managing all aspects of a PG or hostel facility. It enables administrators, staff members, and residents to interact, access information, and perform tasks seamlessly. Implementing such a system can help streamline operations, improve guest experiences, and increase efficiency in managing the facility. It is designed for better interaction. It handles all the requirements for easy functioning. This application will help to centralize the activities and maintain data transparency where needed and properly store data for regular operations and future analysis.

MODULES

* **ADMIN**
* Login: Admin can login to the system using username and password.
* PG/Hostel management: Admin can add, edit, delete or block pg/hostel.
* User management: Admin can manage the users. The system maintains comprehensive user profiles with personal information, contact details, identification documents, and preferences.
* Enquiry: The Enquiry functionality refers to a feature that handles inquiries from potential guests or residents who are interested in staying at the PG or hostel.
* **USER**
* Login: Users can login to the system using username and password.
* Registration: Users can create accounts with their personal information, contact details, and identification documents.
* Profile Management: Users can update their profiles, add preferences, and manage communication settings.
* Booking and Reservation: Guests can browse available rooms, make reservations, modify bookings, and view reservation history.
* **PG**
* Login:Owner can login to the system using username and password.
* Owner can manage the details of PG.
* Owner can manage the user requests.
* **HOSTEL**
* Login:Owner can login to the system using username and password.
* Owner can manage the details of hostel.
* Owner can manage the user requests.

SOFTWARE REQUIREMENTS

* Frontend: HTML/CSS/JavaScript
* Backend: Django

Mini Project

* Admin can add or edit or delete different pg and hostels into the system.
* Users can register their details and can also manage their profile. They can also make bookings, modify and view booking details.
* PG owners can manage their details and also manage the user requests.
* Hostel owners can manage their details and also manage the user requests.

Main Project

* Implement geolocation for location-based results.
* Implement chatbots to answer user queries.
* Food ordering and delivery