

PROJECT TITLE

The project aims to develop a comprehensive platform for locating affordable paying guest (PG) accommodations and hostels. Designed to simplify the search process for users seeking budget-friendly living options, the platform will aggregate detailed information about various PGs and hostels, including pricing, location, amenities, and user reviews. By providing a user-friendly interface with advanced search and filtering options, the platform will enable users to easily compare and select accommodations that best meet their needs and preferences. The project seeks to address the challenges of finding reliable and cost-effective housing options, particularly for students and young professionals, ultimately enhancing accessibility and transparency in the rental market..

Technologies used: HTML, CSS, JavaScript, Django, SQLite

Requirements:

Hardware:

1. Processor : 2.GHz Pentium minimum
2. RAM: 8 GB minimum (16 GB recommended)
3. Storage: SSD or HDD with sufficient space (depending on the data and logs)

Software:

1. PyCharm (2020.2.3 community edition)
2. VS Code
3. Django: Version 4.x or higher
4. Database: SQLite (default for development), PostgreSQL, or MySQL
5. Map Library: e.g., Leaflet.js, Google Maps API, or OpenStreetMap (for simulated bus tracking)
6. Web Browser: Chrome, Firefox, or Edge (for testing and development)

Modules

1. **Admin**

- a. Admin Authentication
- b. Manage Paying guests and hostels
- c. System Maintenance

2.Owners

- a. Add paying guest or hostels
- b. Manage details

3. **User**

- a. View Paying guest and hostels details
- b. Book Paying guests and hostels
- c. Login
- d. Logout

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