

House Rental Management System

The software system is an online rental management system that helps in managing various rental properties and their operations. The system makes the procedure of renting a house in a particular location easy and flexible. It helps the owners to get tenants and tenants to find a house as per their choice easily. The project consists of a central database which holds the details about the house or properties. These details includes the house information, location, rent amount as well as the owner and the tenant's information. Which makes the owners easy to retrieve and manage the house and also tenants to keep track of the details about their rented house. This online system is developed on PHP platform and supported by a Sql database to store the required information.

Features:

- **Online Registration/Login:** The users (tenants) can register and login to occupy and manage the information about their rented house (rent, bills, status etc.).
- **Owner Registration:** The owners of the houses can register to put their house on rent and manage the status and information about their tenants and houses.
- **Rental Home Posting:** The registered owners can post information about their vacant houses which they want to rent along with the required information about the house as well as the type of tenant they want (i.e. bachelors, family etc.).
- **House Finder:** the users can search for the desired type of house they need by filtering location, price range, etc.
- **Owner/ Tenant Dashboard:** The system provides a dashboard to the already registered users to manage and acknowledge about the information like occupied houses, vacant houses, rent status i.e. paid or unpaid, and the status of other bills (if any) respectively.

Software Requirements:

- Windows 10
- MySQL 10.4 (php MyAdmin)
- Text Editor (Visual Studio, Sublime Text etc.)
- Browser (Google Chrome, Mozilla Firefox etc.)

Hardware Requirements:

- Processor: core-i3(or equivalent)
- Hard Disk: 15GB(min)
- Memory: 2GB RAM (min)

Languages Used:

- HTML 5
- CSS 3
- JavaScript
- PHP (v7.4)

Advantages:

- People in search of a rental house in a new location can get the availability of vacant houses remotely without going and searching for it manually.
- The system provides immediate details about the vacant houses for rent in the desired location.
- The system is useful to the people in a new city as they can get a house easily and quickly without facing the problem of manually searching.
- The system stores the owner's as well as tenant's information so it will be easy for the users to contact the owner in case of need and the owner also can manage his rent (tenant) information in a centralized server.
- The System is very effective for the people who are shifting to new places.
- It saves the time and effort of people who needs a rented house as well as for the people who are searching for tenants to rent their vacant houses.

Disadvantages:

- The system doesn't have a payment gateway so the payment operation must be manually performed.
- As there is no automated system of payment, the owner must have to update the payment status of its tenants manually on the server.

Applications:

- The system can be used by anyone who is going to rent their house.
- It can be used in larger cities and places where there is a huge demand of rented houses to get houses in a best price as the user has the opportunity to choose the best location and price range which suits them.