ANP-C7971

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Database Design

HOSTEL MANAGEMENT SYSTEM

Hostel Management System

A **Hostel Management System** is a software solution designed to streamline the operations of hostels, particularly in educational institutions. It automates various administrative tasks such as room allocation, fee collection, and attendance tracking, making the process more efficient and transparent. By digitizing these tasks, the system reduces manual errors, improves record-keeping, and ensures better organization. It also enables hostel authorities to manage student information, handle complaints, and ensure smooth communication between students and staff. The system supports online fee payments, tracks occupancy levels, and generates reports for better decision-making. Overall, it enhances the day-to-day management of hostels, providing convenience for both administrators and residents while improving operational efficiency.

The main objective of a **Hostel Management System** is to streamline and automate the administrative processes of managing a hostel, ensuring efficient and organized operations. This includes simplifying tasks such as room allocation, fee collection, attendance tracking, and maintaining student and staff records. The system aims to minimize manual errors, reduce paperwork, improve communication between hostel authorities and residents, and enhance overall transparency. By digitizing key functions, it allows hostel management to focus on providing a better living environment for residents, while ensuring security, convenience, and operational efficiency.

**Entities:**

* **Hostels**
* **Mahi\_hostel**
* **Hostelers\_details**

Attributes are the fields of entities that refer to the characteristics or properties of entities within the database.

**1.Hostels**

* ID
* OWNER\_NAME
* HOSTEL\_NAME
* CONTACT
* ADDRESS
* HOSTEL\_TYPE

**2.Mahi\_hostel**

* ID
* ROOM\_NO
* ROOM\_TYPE
* FLOOR
* ROOM\_CAPACITY
* AVALIABLE
* PRICE

**3. Hostelers\_details**

* ID
* CANDIDATE\_NAME
* CONTACT
* ADDRESS
* ROOM\_NO
* ROOM\_TYPE
* PAID\_AMOUNT
* DUE\_AMT
* CHECK\_IN\_DATE

**Entity Relationship Diagram- Hostel Management System**

HOSTELS

HOSTELERS\_DETAILS

MAHI\_HOSTEL

