HOSTEL MANAGEMENT SYSTEM

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Introduction

- Hostel Management System is a software developed for managing various activities in the hostel.

- For the past few years the number of educational institutes are increasing rapidly. Thereby the number of hostels are also increasing for the accommodation of the students studying in those institutes.

- So this project deals the problems on managing a hostel and avoids the problems which occur when database management is done manually without help of any database or software.

Need for the Management Software

- The Advantages of managing database using Hostel Management Software are as follows:

1) Less Probability of Error

2) High Security

3) Less Manual Labour

4) Easy to Handle(Search , Update or Delete)

5) Data consistency

- Hence it is very helpful and useful for software for Hostel Database Management

Overview of Project

- Hostel Management System mainly aims on managing the database students living in Hostel.

- It also keeps each student's personal details with his Name , University Details ,Contact Details etc.

- It will also have Room Types, Details, Fees etc.

- It will also keep track of the Employees/Staff working in the Hostel.

- Database can only be accessed by Person running the Hostel.Login ID and password will be required for Editing the Database

Use of DBMS in Project

- Hostel Management System contains huge data of all students. It also contains data of the student who had lived in Hostel.

- It contains personal details of each and every student of the hostel.

- Also Employees(Workers) and Rooms Database is required in Hostel Management System.

Entities

- An entity can be a real-world object, either animate or inanimate, that can be easily identifiable. Each Entity contains one or more than one Attributes.
- Major Entities:

1. Students
2. Room
3. Furniture
4. Fees etc.

Student

- Student_id : Student ID : INT and PRIMARY KEY
- s_fname : Student's first name : VARCHAR
- s_lname : Student's last name : VARCHAR
- s_mname : Student's Middle name : VARCHAR
- Age : Student's Age : INT
- DOB : Student's Date of birth : VARCHAR
- Contact_no : Student's contact number : VARCHAR
- Department : Student's department : VARCHAR
- Room_id : Room ID of student : INT and FOREIGN KEY

Room

- Room_id : Room unique ID : INT and PRIMARY KEY
- Capacity : Capacity of the room : INT
- Building_no : Hostel Building Number : VARCHAR and FOREIGN KEY
- Student_name : Name of students living in room : VARCHAR

Thank You!