

HOSTEL ROOM ALLOCATION SYSTEM

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Abstract:

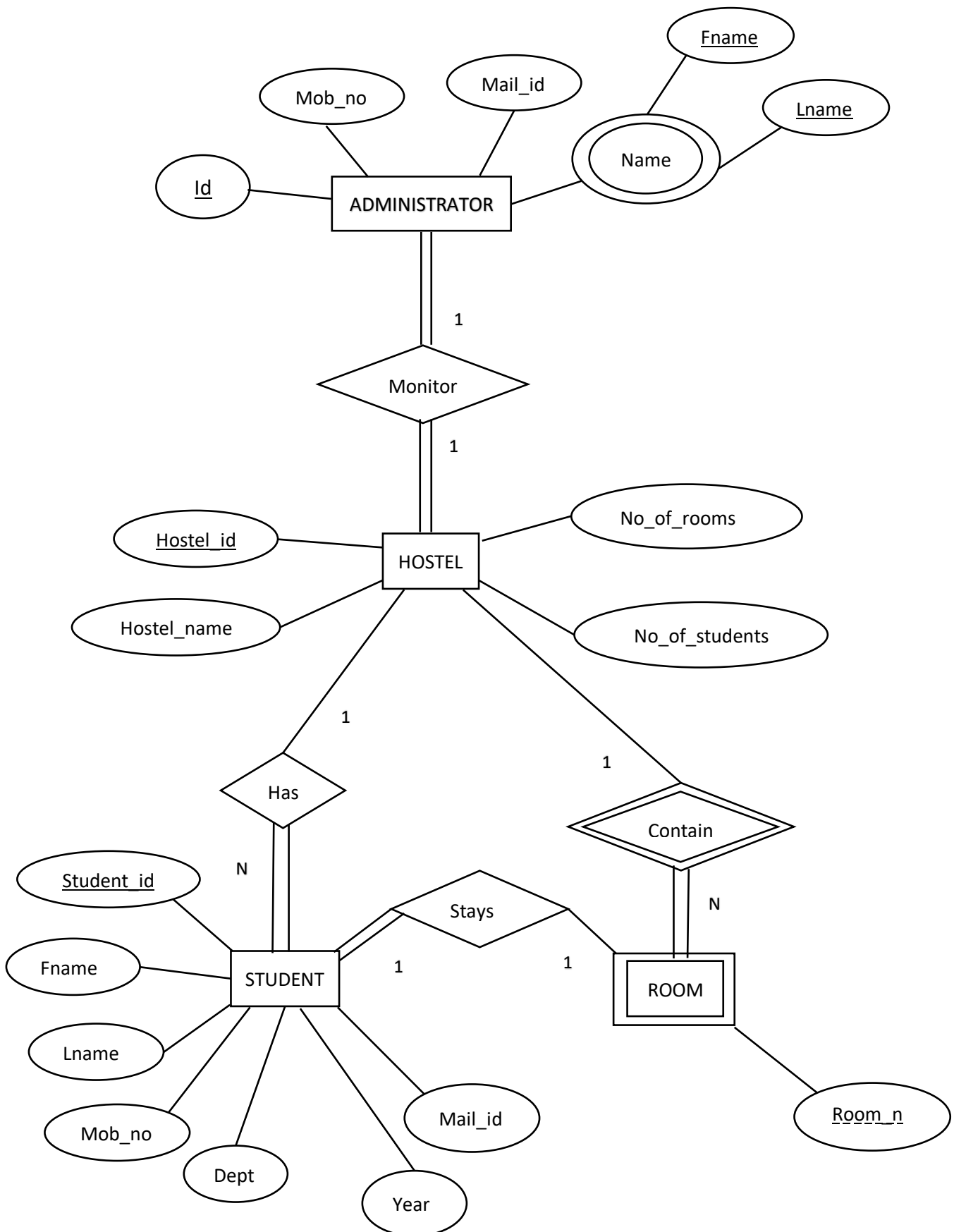
Hostel Room Allocation system deals with the allocation of hostel room to a student. Hostel management system maintains details of hostels, rooms and students. It allots a particular room on basis of its availability. This system helps reducing difficulty in paper-work students face and also helps in easy and efficient allocation of rooms to students.

Problem Description:

In a college, there are quite a few hostels and all the hostels have different number of rooms. Any room of any hostel can be occupied by only one student. A student can stay in only one room and there can't be a student without a room. All the hostels are monitored by administrators. Since only one student stays in a room, number of students in a hostel is equal to number of rooms in that hostel.

A hostel is identified by an id. All the students have a unique id and are allocated a room in a hostel through the Hostel Allocation portal. There may be rooms with same room number in different hostels. We keep track of student's information such as mobile number, email id etc.,. Hostels information can be accessed by administrator.

ER DIAGRAM



RELATIONAL DATABASE SCHEMA:

HOSTEL

Hostel_id(PK)	Hostel_name	No_of_rooms	No_of_students
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ROOM

Hostel_id(FK)	Room_no(PK)
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ADMINISTRATOR

Id(PK)	Fname	Lname	Mob_no	Mail_id	Hostel_id(FK)
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STUDENT

Student_id(PK)	Fname	Lname	Mob_no	Email_id	Dept	Year	Hostel_id(FK)	Room_no(FK)
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USER MANUAL:

1.Login Page

Users who have previously registered for the Hostel Room Allocation System Web Application must login by: 1. Entering their Username/Roll No.

2. Entering their Password.

Selecting Login to advance to the next screen and begin using the application.

2. Sign Up Page

Students who have not previously registered for the Hostel Room Allocation System Web Application must select "Register to use the site" to access the "New User Registration" page. There they can enter all the required details and register themselves in the portal.

3. Home Page

There are 2 different home pages

1. User Homepage

2. Admin Homepage

The homepage basically contains a navigation bar which takes the user to different pages to perform different activities.

4. Hostel Page

Hostel Page is accessible only to students and they can request for room once they have logged in.

5. User Profile

This is again of 2 types

1. Student user profile
2. Admin user profile

For a student his user profile will also contain the hostel details and hostel manager info if he is allocated a room.

6. Students Page

In this page the admin can see list of all the students, their details and the hostel allocated to them along with the room.