CS-2005
DATABASE SYSTEMS
PROJECT REPORT

TITLE: HOSTEL MANAGMENT SYSTEM

GROUP MEMBERS:
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Introduction:

The project Hostel Management System has three actors Admin, Warden and Student.

Admin:

Admin is the person who is the owner of multiple hostels and have respective managers/wardens who manage the hostels.

Warden:

Warden manages the hostel and deals with hostel related complaints. Warden has access to the database of students. He can register or remove students, view registered complaints, add facilities and billing. He will be managing the rent status of students in billing and will receive the payment through Stripe pay api further he has access to view all the registered students.

Student:

Students are the primary actor of this system. He can register complaints related to the respective hostel, can check and pay his/her rent, view available facilities and can add/remove facilities. After registration all these functionalities and issues will be accessed and resolved digitally, students don't need to go to warden for any issue while on the other-hand warden can manage all the problems and have facility to update via portal.

What's different in our Project:

Firstly the student can pay his/her rent through online payment Stripe pay further he can add/ remove facilities he availed. In addition it's an ease for Wardens to entertain hostel related issues through this portal, they don't have to go physically. Admin can view all the records present in all of his/her hostel and unregistering students will be easier.
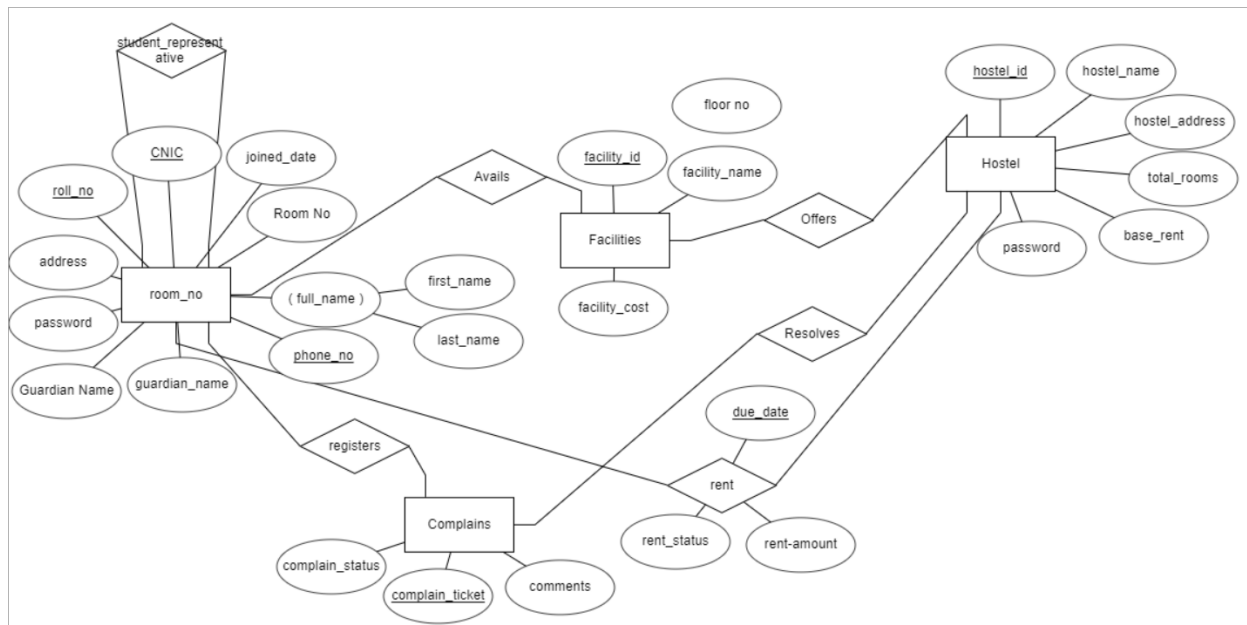
Tools & Technologies:

Front-end :: HTML, CSS, BOOTSTRAP and JAVASCRIPT
Connectivity :: PHP
Database :: MYSQL
Operating System :: WINDOWS

Database Tables:

- Accounts
- Facilities
- Complaints
- Facilities Available
- Facilities Availed
- Hostel Details
- Student Details

Entity Relationship (ER) Diagram:

Database Schema:

student_details

roll_no	first_name	last_name	room_no	hostel_ID	student_rep_roll_no	phone_no	CNIC	guardian_name	address	password	join_date

room_details

room_no	roll_no

hostel_details

hostel_ID	hostel_name	address	total_rooms	base_rent	password

Facilities

Facility_id	Facility_name	Facility_cost

Facility_Available

hostel_ID	facility_ID

facilities_availed

roll_no	hostel_ID	facility_ID

accounts

roll_no	Due_Date	rent	status	Hostel_ID

complaints

roll_no	hostel_ID	facility_ID	complain_ticket	comment	Complain_Status