

Project Report



DATABASE

Housify

Housing Society Management System

Project Members

(K21-3377) Maria Qadir Sharif

(K21-4578) Syeda Samaha Batool

(K21-4897) Laiba Meer

- **Introduction:**

The Housing Society Management System is designed as a user-friendly and efficient solution for modernizing the management of residential communities. This web-based platform caters to the needs of both residents and administrators, providing a seamless experience for residents and powerful tools for administrators.

- **Problem Statement:**

Traditional housing society management often involves manual, time-consuming processes that can lead to inefficiencies. The Housing Society Management System addresses this challenge by introducing a sophisticated, web-based system that automates various tasks, enhancing the overall management experience.

- **System Features:**

- ☐ **Resident Management:**

User-friendly resident profiles, registration, and personal information updates.

- ☐ **Maintenance Management:**

Efficient handling of complaints, status tracking, and maintenance requests.

- ☐ **Visitor Management:**

Registration, access permissions, and maintenance of visitor logs.

- ☐ **Complaints Handling:**

Residents can report and track the status of complaints.

- ☐ **Service Requests:**

Residents can access various services within the society, with confirmation and details provided.

- ☐ **Facility Bookings:**

Residents can book common facilities, receiving confirmation and details.

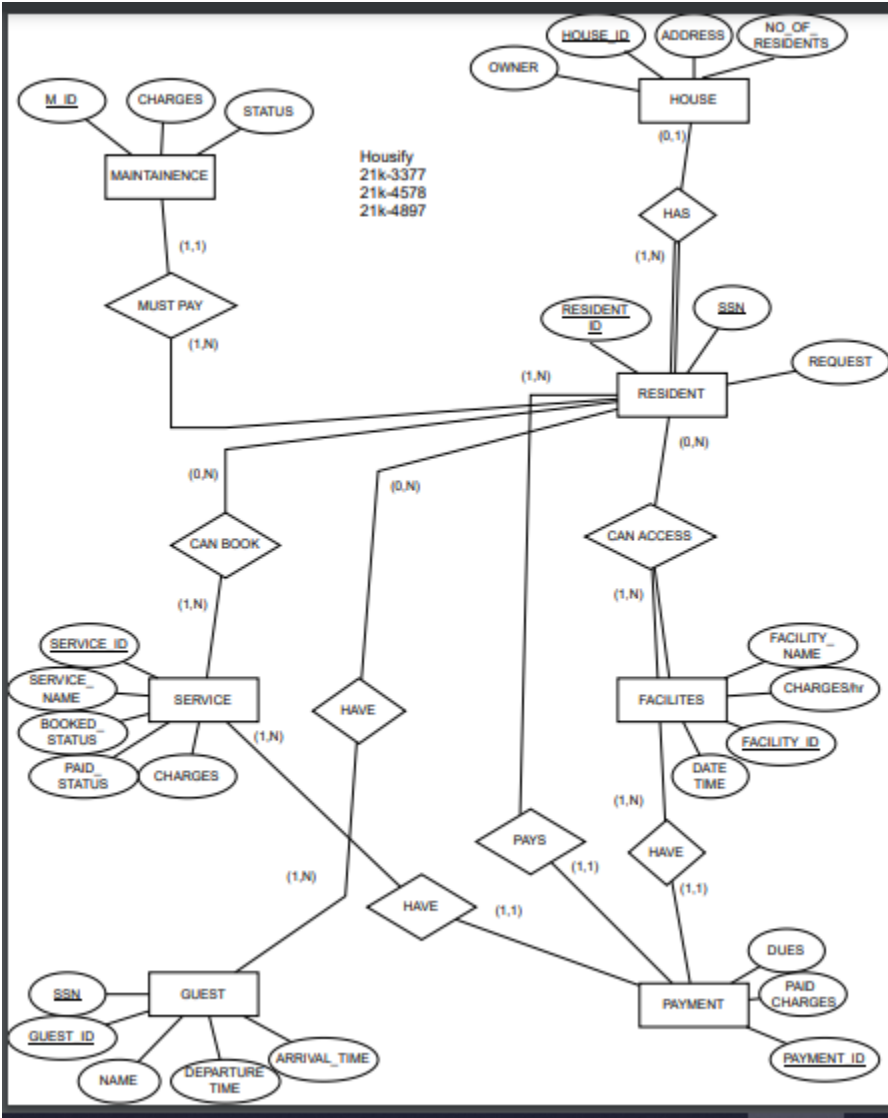
- ☐ **Payment Processing:**

Secure and efficient payment transactions, tracking due amounts, and confirming payments.

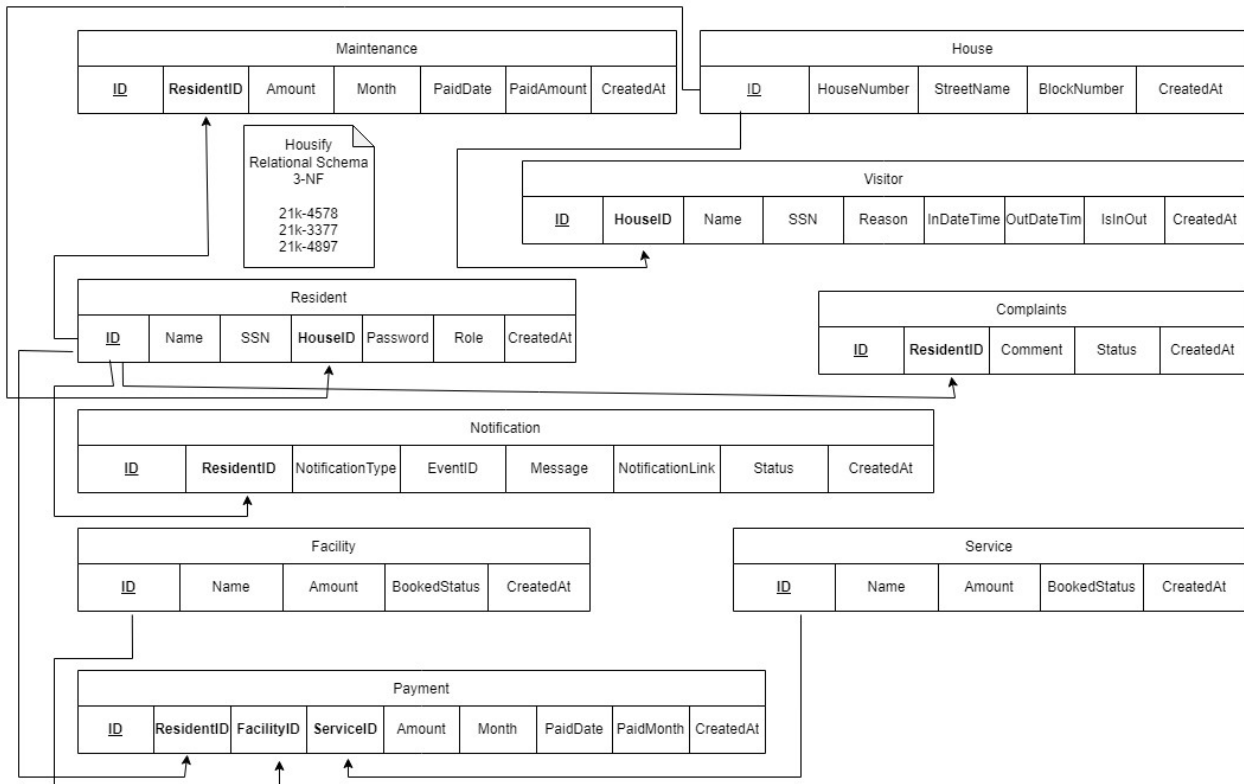
- ☐ **Reports:**

Bills, complaints, visitors, facility and service payments, etc., can all be easily generated and exported by the admin for the designated date.

- Entity Relationship Diagram:



● Relational Schema following 3NF



● Technologies used in the project

Backend: PHP

Frontend: HTML, CSS, JAVASCRIPT

Database: MYSQL

Tool: VsCode, Xampp , Github

● Potential users of the project

The Housing Society Management System is tailored to meet the needs of both residents and administrators. Residents can seamlessly navigate and utilize the system, while administrators have access to powerful management tools.

● Work Division

- Samaha:

- Backend development.
- Establishing the connection between Frontend and Backend.
- Designing the relational schema.

- Maria:

- Frontend development.
- Creation of the database.

- Laiba:

- Creating the ERD (Entity-Relationship Diagram).

● Conclusion

In conclusion, the Housing Society Management System is a valuable web-based solution that simplifies and enhances the management of residential communities. Residents will find the platform user-friendly, allowing them to easily navigate and utilize its features. Administrators, on the other hand, will benefit from robust management tools to streamline their tasks. The inclusion of features such as resident management, maintenance, visitors, complaints, services, facilities, and payments ensures a comprehensive solution for efficient community living. As the system moves towards implementation, it is poised to become an indispensable asset for housing communities seeking a modern and efficient management solution.