



HOUSING HUB

A SOCIETY COORDINATION PLATFORM

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A decorative geometric pattern on the left side of the slide, featuring a blue circle, concentric circles, and various colored squares and triangles in shades of blue, purple, and pink.

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INTRODUCTION

Housing Hub, a Society Coordination System is a web-based platform designed to modernize and simplify residential society operations.

It addresses common issues such as outdated workflows, lack of transparency, and security concerns. And empowering residents and admin with smart tools for:

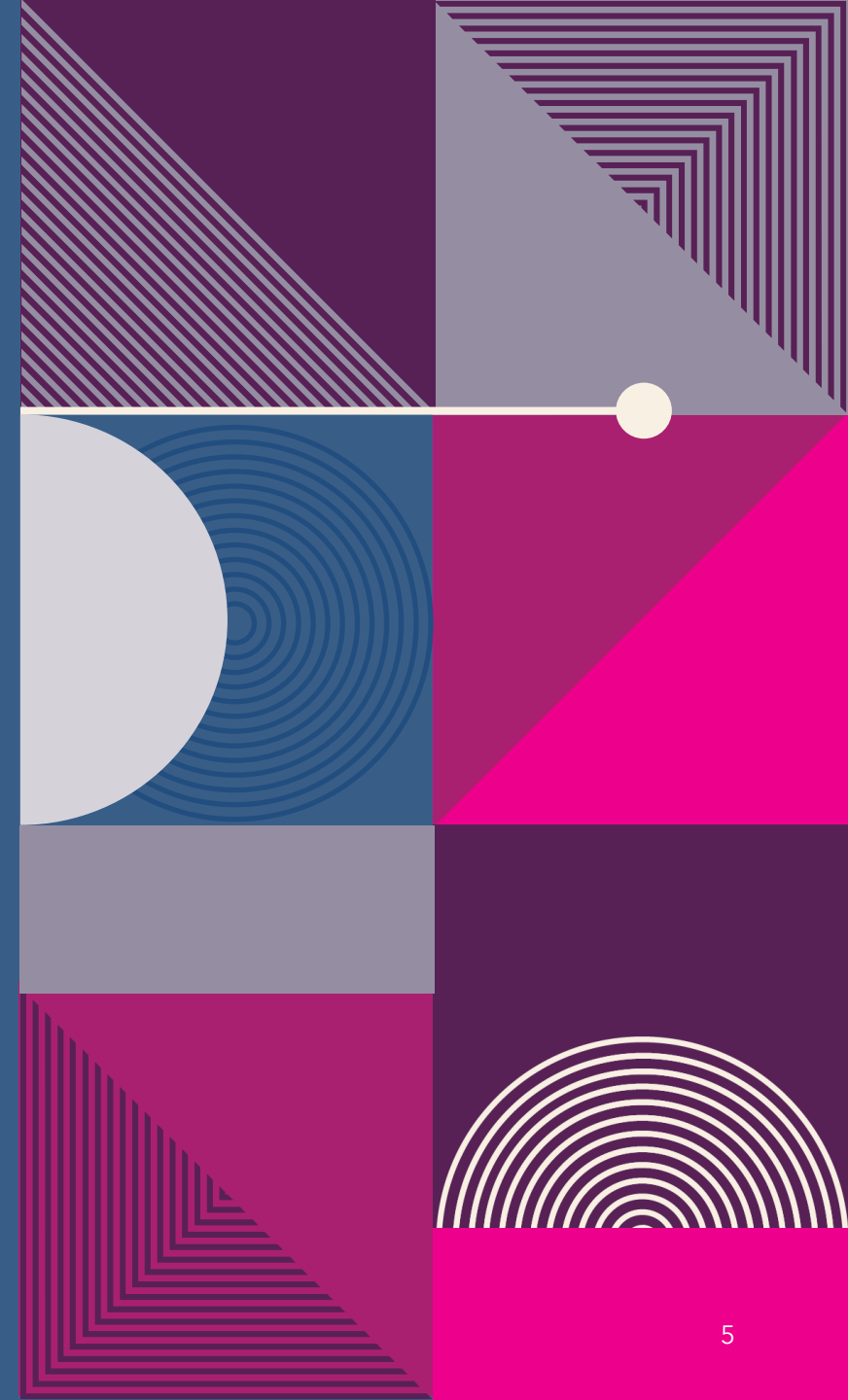
- **Notices & Announcements**
- **Complaint Tracking & Visitor Logging**
- **Amenity Reservations & Maintenance Billing**

PROBLEM STATEMENT

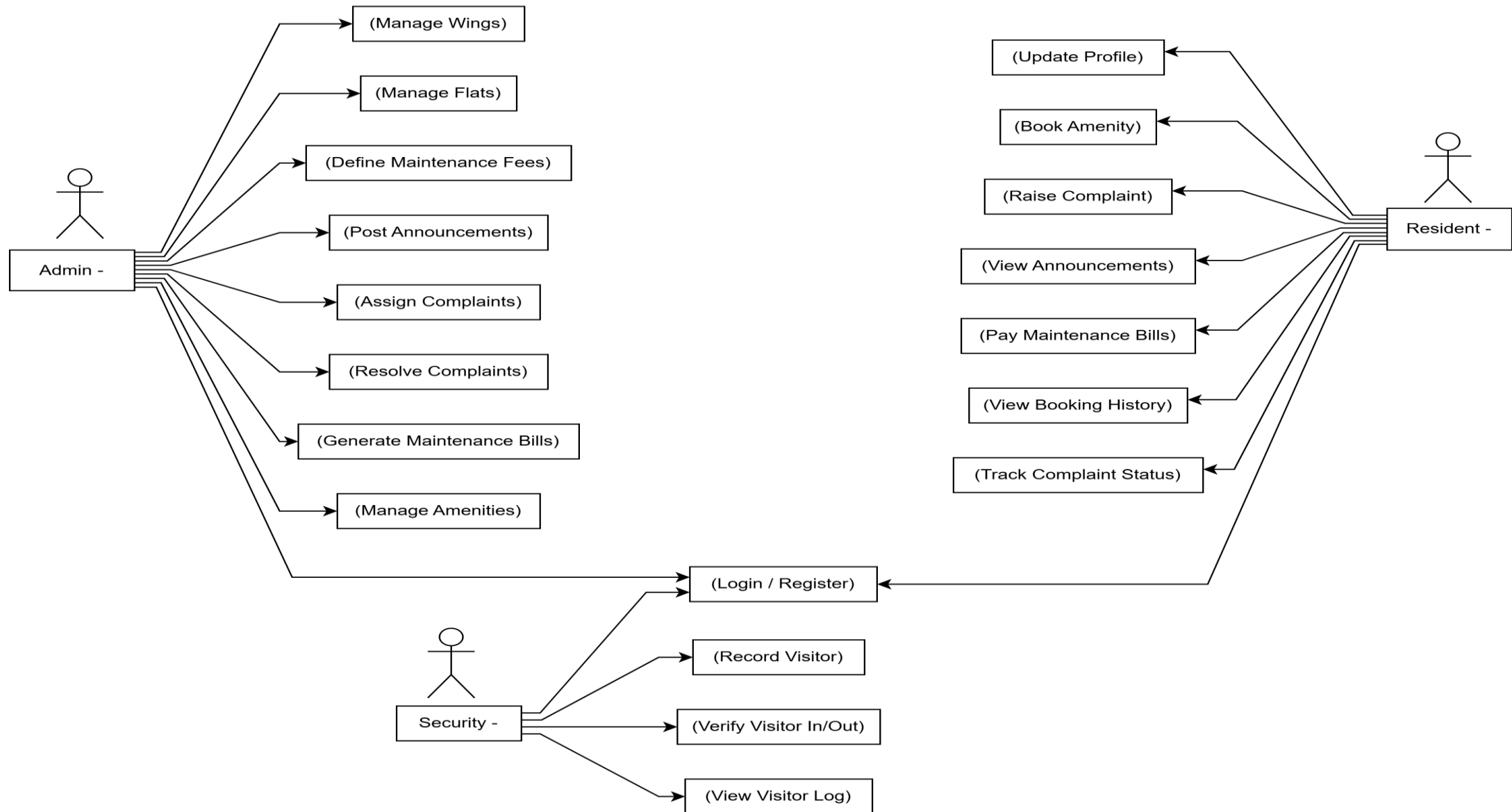
Housing societies often face daily challenges such as Disorganized processes, delayed updates, hard-to-track complaints, Inconvenient amenity reservations, and unreliable visitor entry logs. These issues arise due to manual work, poor coordination, and lack of transparency. Housing Hub addresses them with automation, centralized access, and seamless resident engagement.

OBJECTIVES

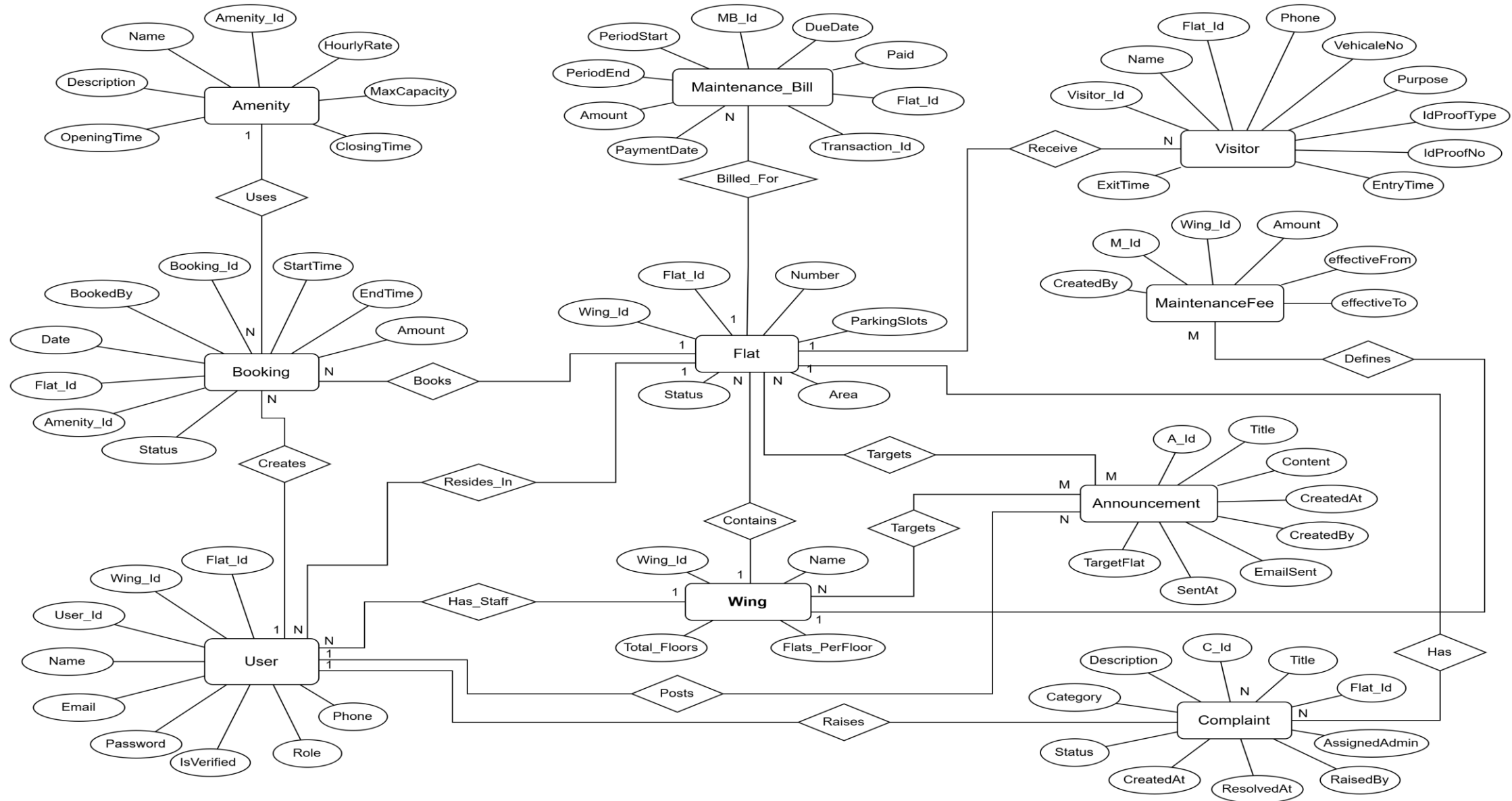
- **Digitize manual society functions. (e.g., complaint logging, visitor entries)**
- **Improve access to essential services for residents. (e.g., amenity booking, bill viewing)**
- **Automate notifications and logs. (e.g., announcements, security gate logs)**
- **Provide a unified platform for all users. (e.g., one portal for admins, residents, and guards)**



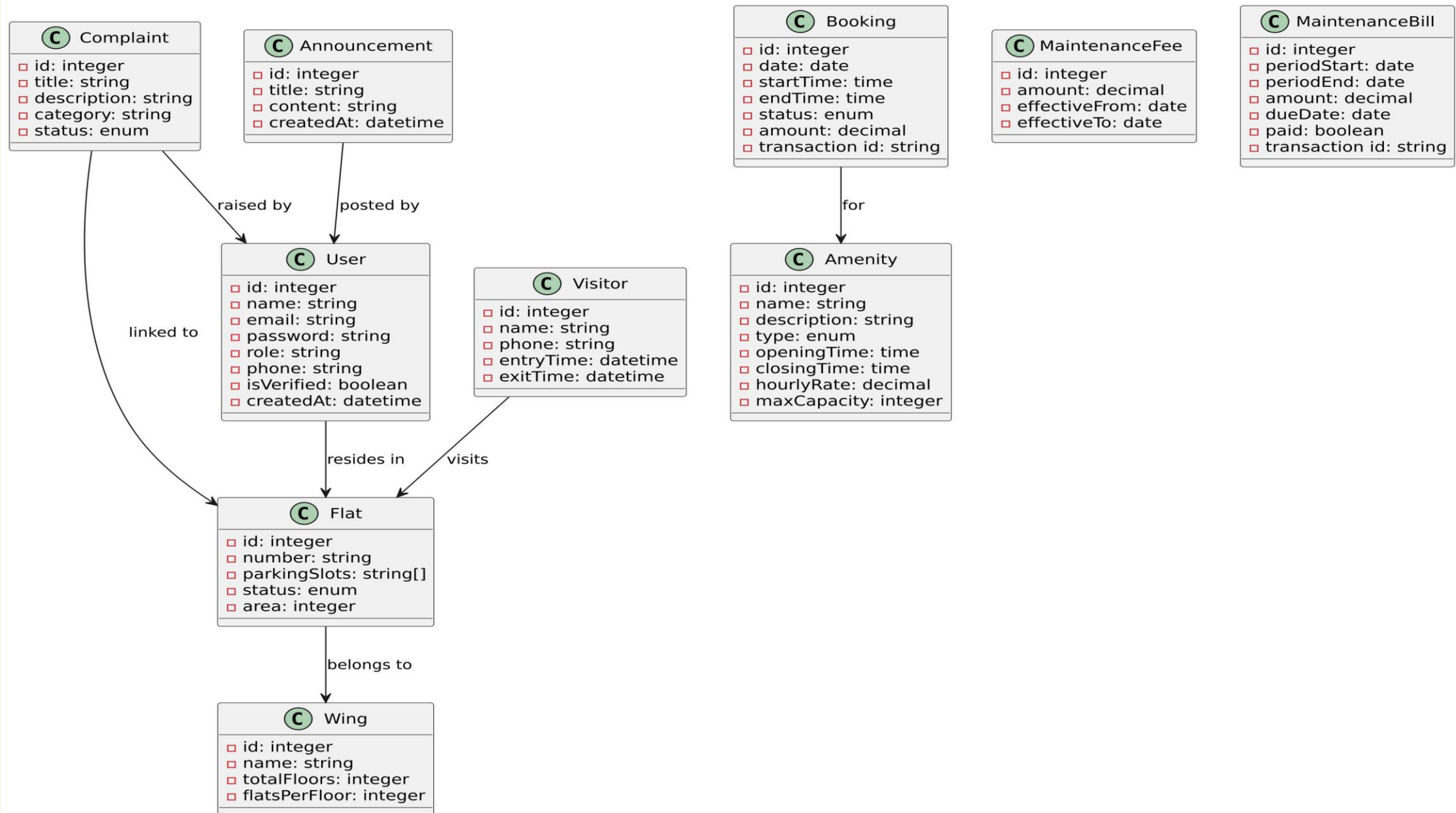
USE CASE DIAGRAM



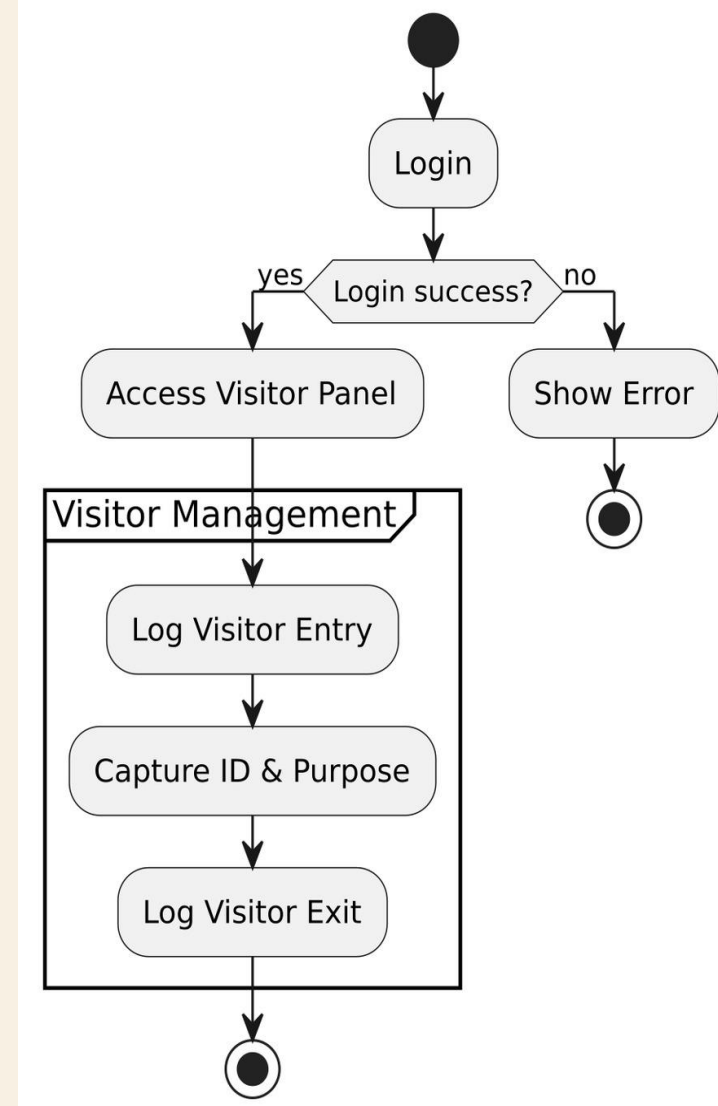
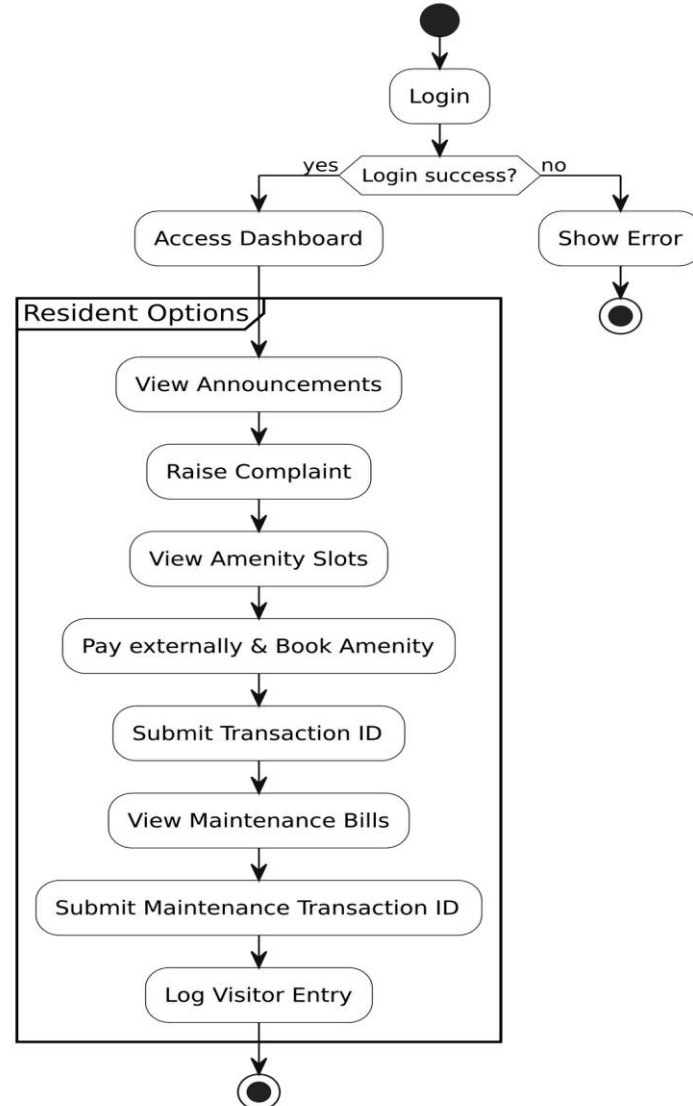
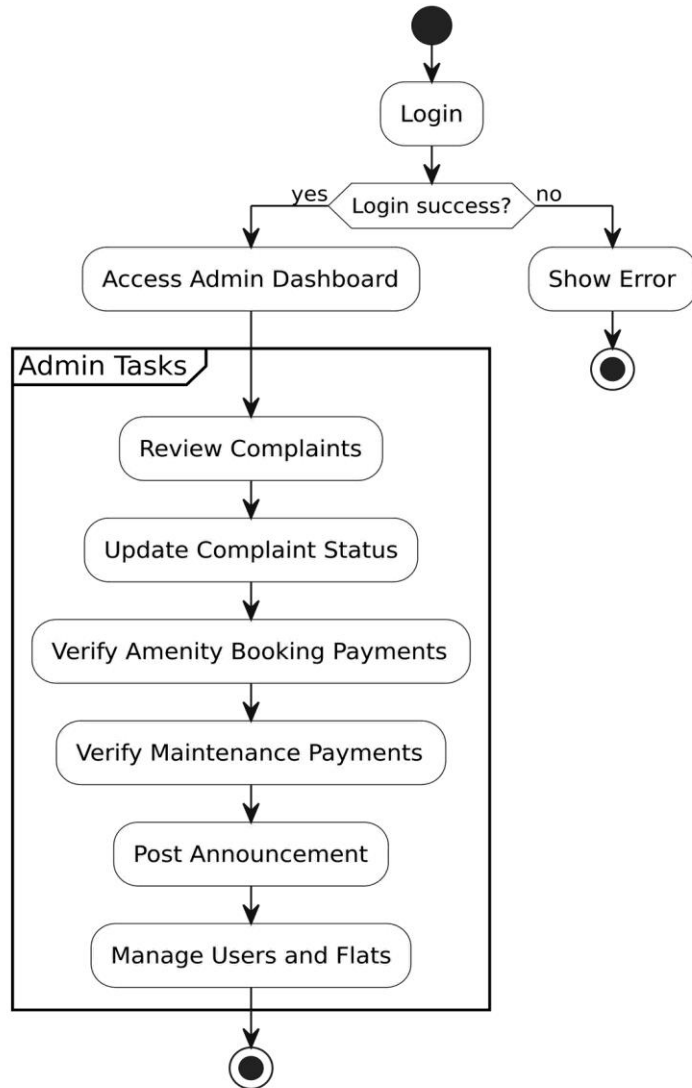
ER DIAGRAM



CLASS DIAGRAM

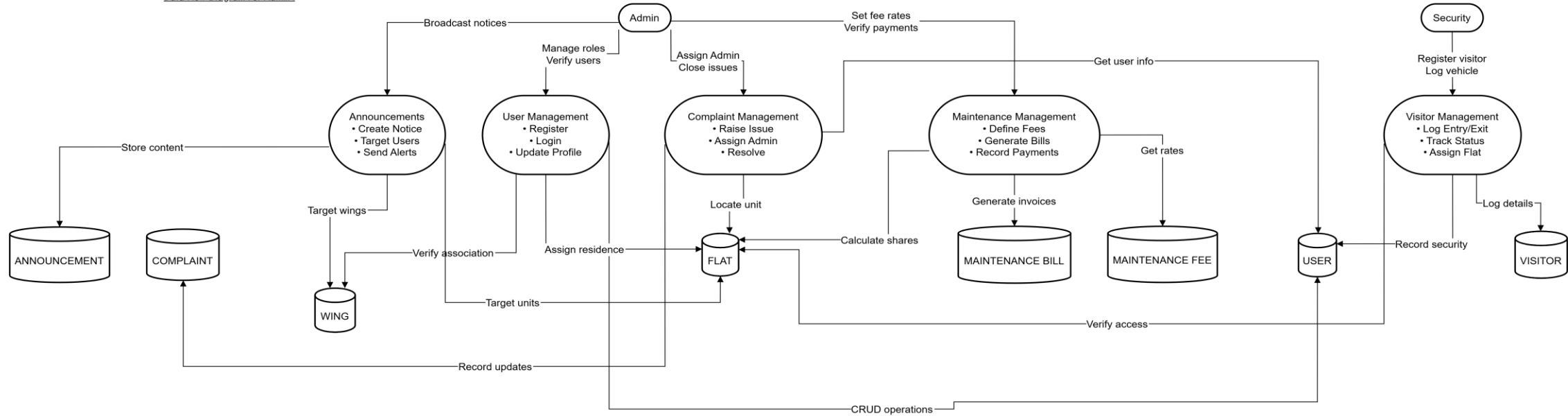


ACTIVITY DIAGRAMS

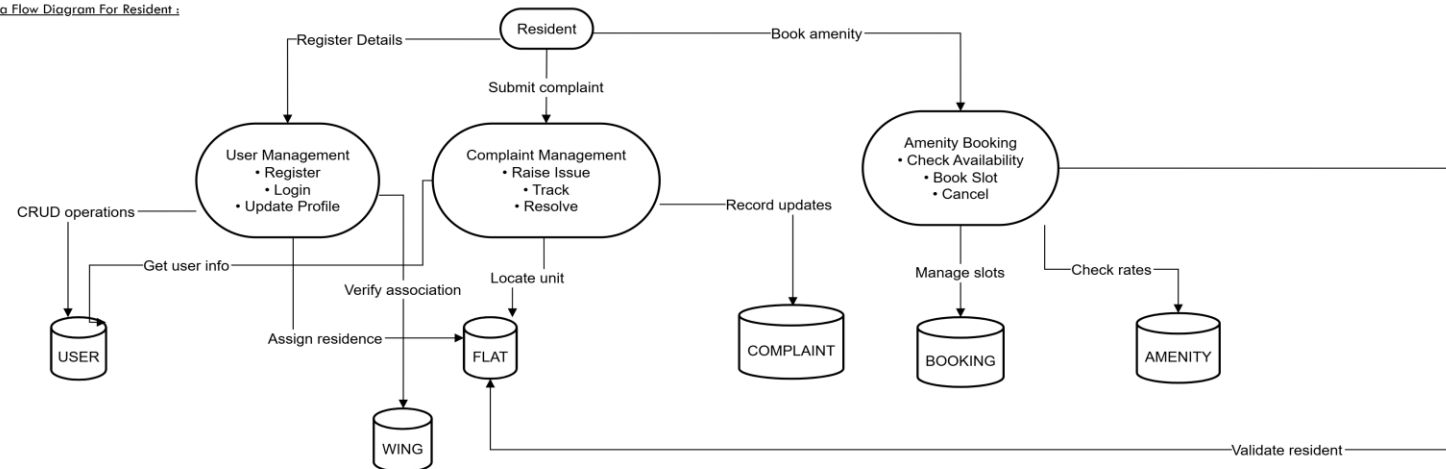


FLOW DIAGRAM

Data Flow Diagram For Admin :



Data Flow Diagram For Resident :





TECHNOLOGY STACK

1. Frontend:

- React.js - Responsive, Interactive UI
- HTML, CSS, JS

2. Backend:

- Microsoft .NET Core (Business logic)
- SendGrid API - Email Notifications

3. Database

- Microsoft SQL Server

4. Cloud Platform & Hosting

- AWS

5. Version Control

- Git (GitHub)



FUTURE SCOPE

- **Voting/Polling System:** Allow society members to vote on important decisions or participate in polls.
- **Built-in Marketplace Feature:** To allow residents to buy and sell items securely within the society.
- **Vendor Management:** A module to manage service providers (plumbers, electricians, cleaners) and their schedules.



CONCLUSION

The Society Coordination System is a simple yet powerful platform designed to streamline and modernize everyday activities in residential societies. It helps improve efficiency, enhance the resident experience, and strengthen security. By replacing outdated methods with smart, digital tools, the system creates a more organized, transparent, and better living experience for everyone.

An abstract geometric design on the left side of the slide. It features a dark blue background with various geometric shapes and patterns. A white circle is positioned near the top left. Below it, a light blue semi-circle is visible. To the right of the semi-circle, there is a pink triangle with diagonal lines. Further down, there is a pink square with a pattern of concentric lines. At the bottom, there is a pink triangle with a pattern of concentric lines. The overall design is modern and minimalist.

THANK YOU