ESIDENCE

A RESIDENTIAL ASSOCIATION
MANGEMENT SYSTEM

Meet Our Team

Table of contents

01 Introduction

- Introduction
- Project Overview
- Objective

02 System Analysis

- Existing System
- Proposed System
- System Requirement Specification
- Actor Identification
- Identification of use Case
- Use Case Diagram
- System Requirements
- Hardware Requirements
- Software Requirements

03 System Design

- Project Work Flow
- List of Tables
- Table Design

04 Conclusion

- Conclusion

01

INTRODUCTION

- “Esidence”-The Residence Association Management System follows “Simplicity is the ultimate sophistication” phrase and aims at making the current situation in the society simple and efficient.

- Generally , in society all work is done on paper so it is very difficult to manage and keep track of all the work expenses in the society.

- This system of maintaining a society, is made in such a way that most common problem faced in residential societies are solved and currently there is no automated system for the residences to know what’s happening in a society.

- Our System “Esidence” reduces the conflicts that arise within the society by providing facilities such as, Apartment registration, Online Event registration, Online Payment and online complain/suggestion in which society member can make complain form anywhere, any time.

- The main aim of the project is to provide utility to maintain day to day operations of the society .

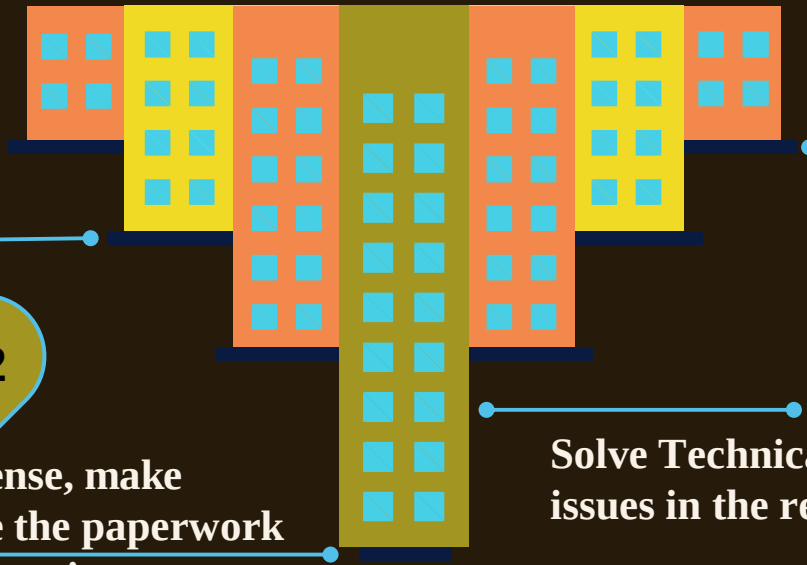
Project Overview

- We created a global web-based application in asp.net and angular with C# language to manage day-to-day activities of any co-operative housing society.
- Admin plays a main role in the system and so he register apartments to the portal. So later own user can login with the system to give his family details in the system.
- Using “Esidence” the payments can be easily noted and store all transactions history electronically so that the users can view it any time.
- Esidence includes a complaint portal system which helps the users to raise their problem and notify the admin.
- This System also provides a portal for event registration and response system so that family’s can request to host an event.
- Esidence automates bulletin that occur within the society and makes it easy for the members of the society an easy access to the society happenings and on goings.

Objective

01

Manage administrative tasks effectively .



02

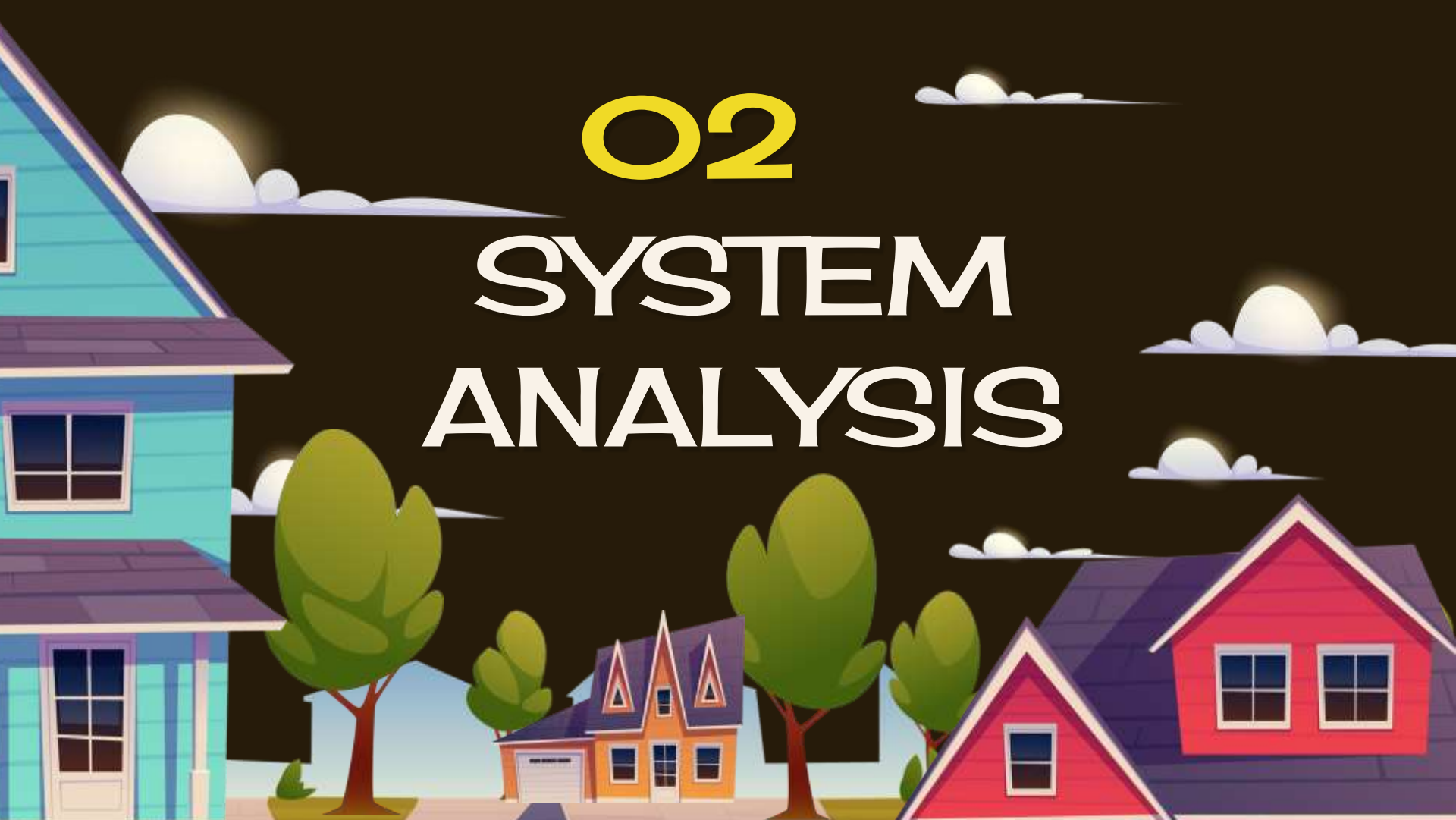
Track income, expense, make payments to reduce the paperwork and make go green environment.

03

Reach maximum people at the same time.

04

Solve Technical and non technical issues in the residential society.


02
SYSTEM
ANALYSIS

Existing System

- In the existing system all work is done physically and traditionally. Apartment details and family details are stored as a paper work. No proper facilities are there for Event Management, Complaint management, Payment management etc.

Here some basic disadvantage of the existing system

- Unreachable information
- Lack of authenticity and reliability
- Time consuming activity
- Complaints not solved quickly
- Transaction issues and payment Issues

Proposed System

- The Proposed system is Fully Computerized one. It does absolutely nothing on paper. As the entire working is done with the aid of computers, this will result in faster processing and improved performance.
- It contains all the necessary information about the residence/apartment included in the association.
- This system contain portal for registering complaint, Event management, Accounts Management with Payment demo page, notice board ,etc.

Continue...

Advantages of the proposed system

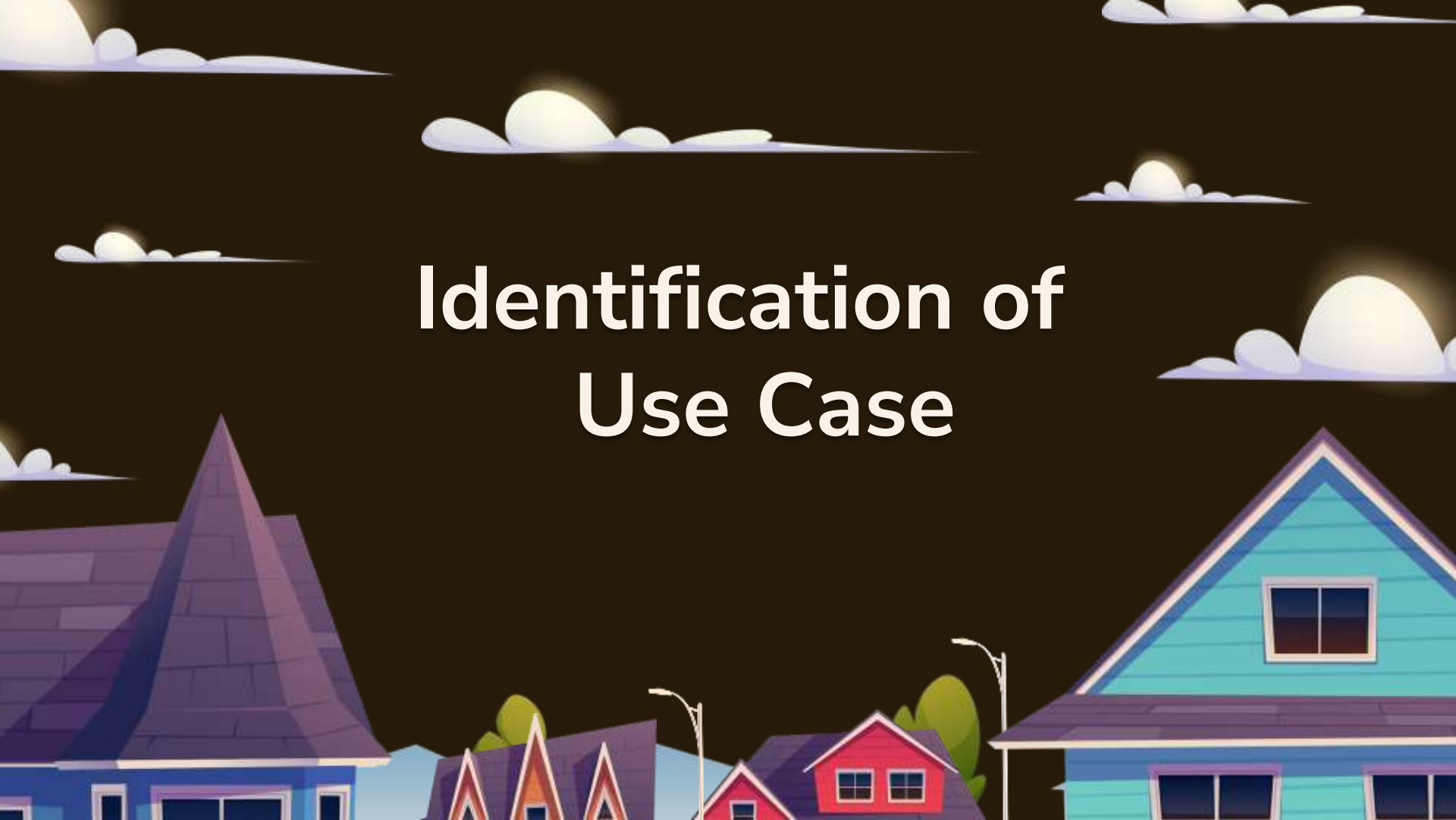
- Notice Board remainders
- Authentic and uninterrupted communication with society members
- Time Saver and Go green Activity
- Payment Demo Page, Payment History Shown

ACTOR IDENTIFICATION

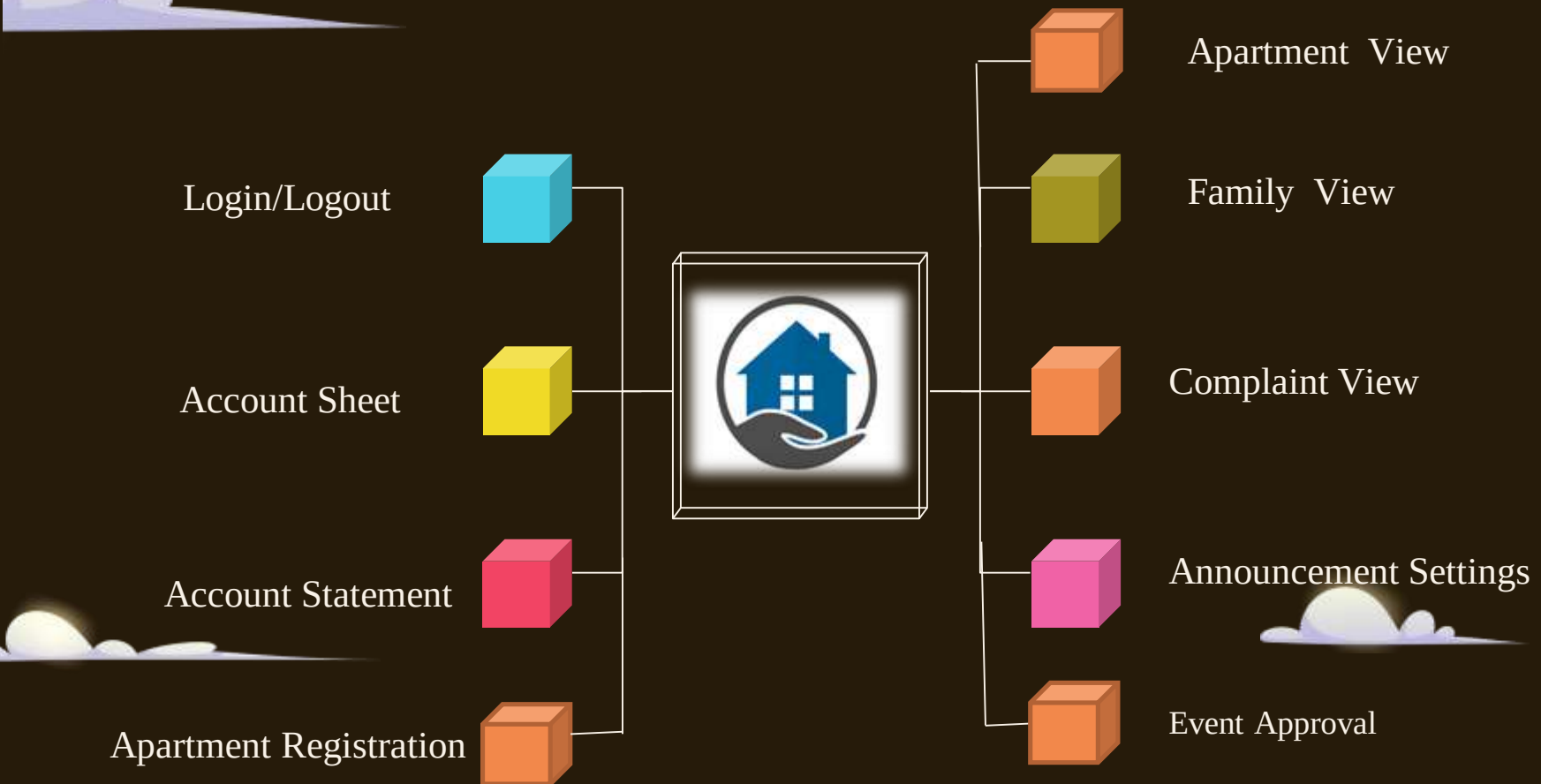
Actors in this project are:

- Admin
- User

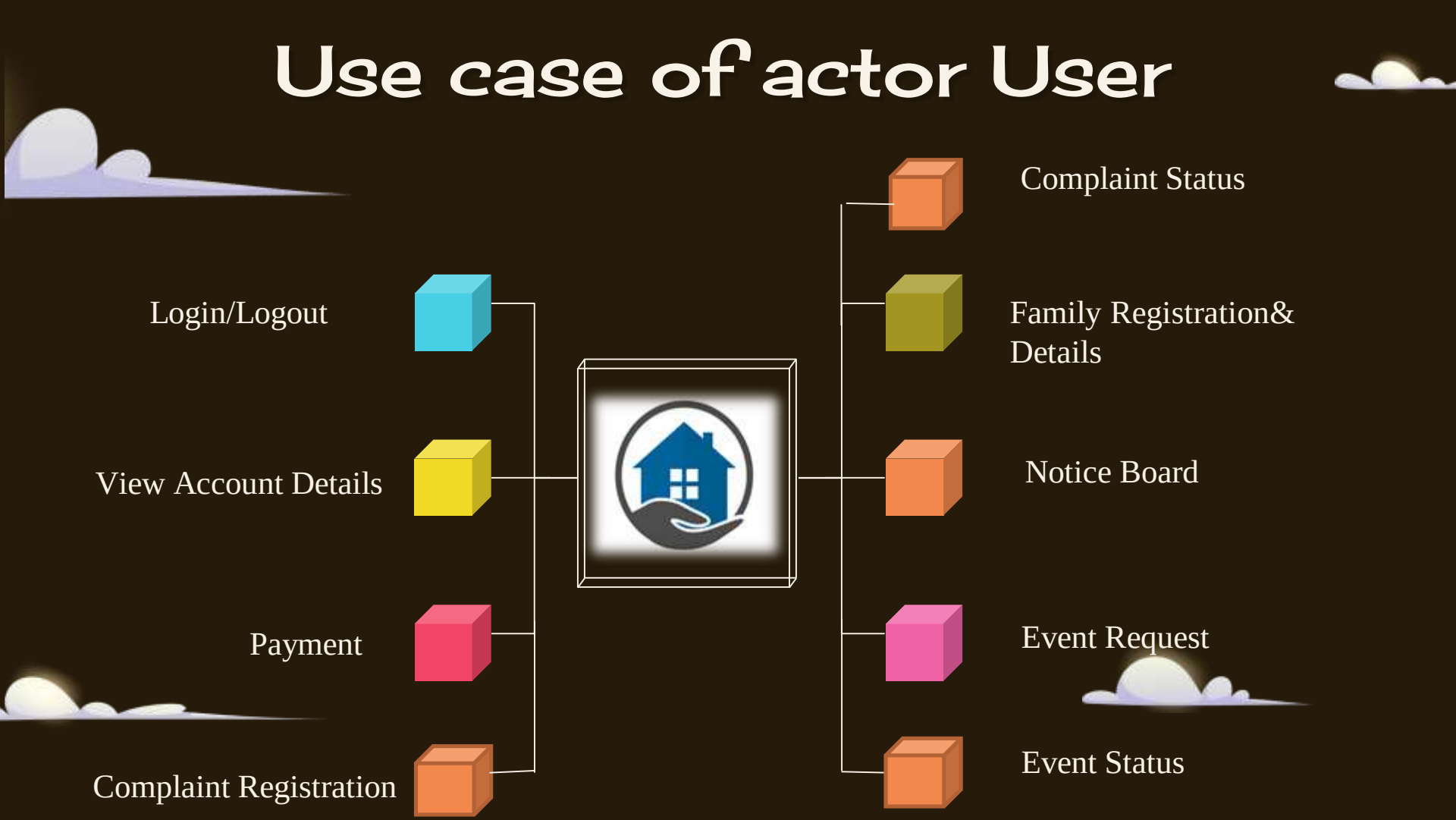
Identification of Use Case



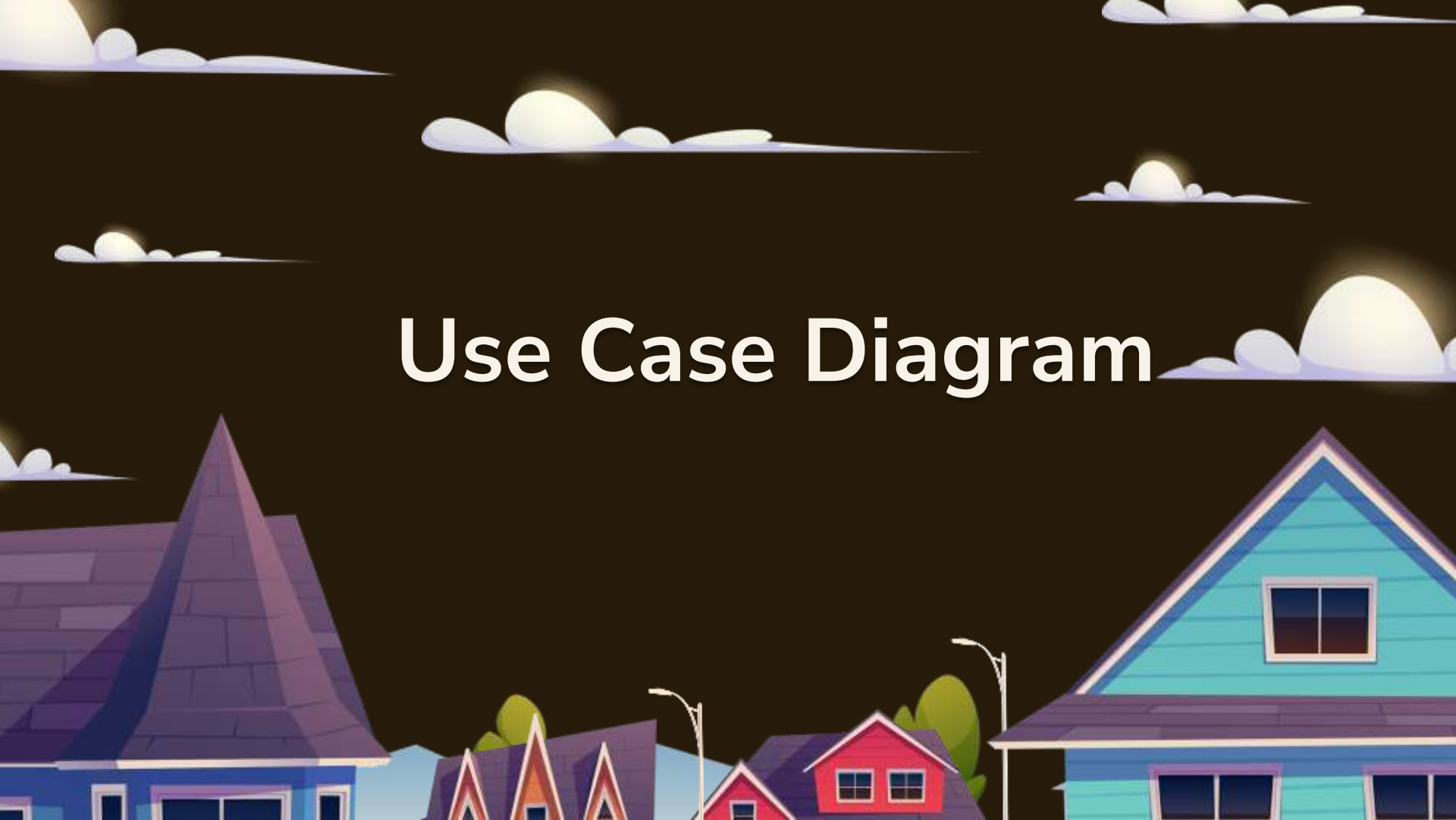
Use case of actor Admin



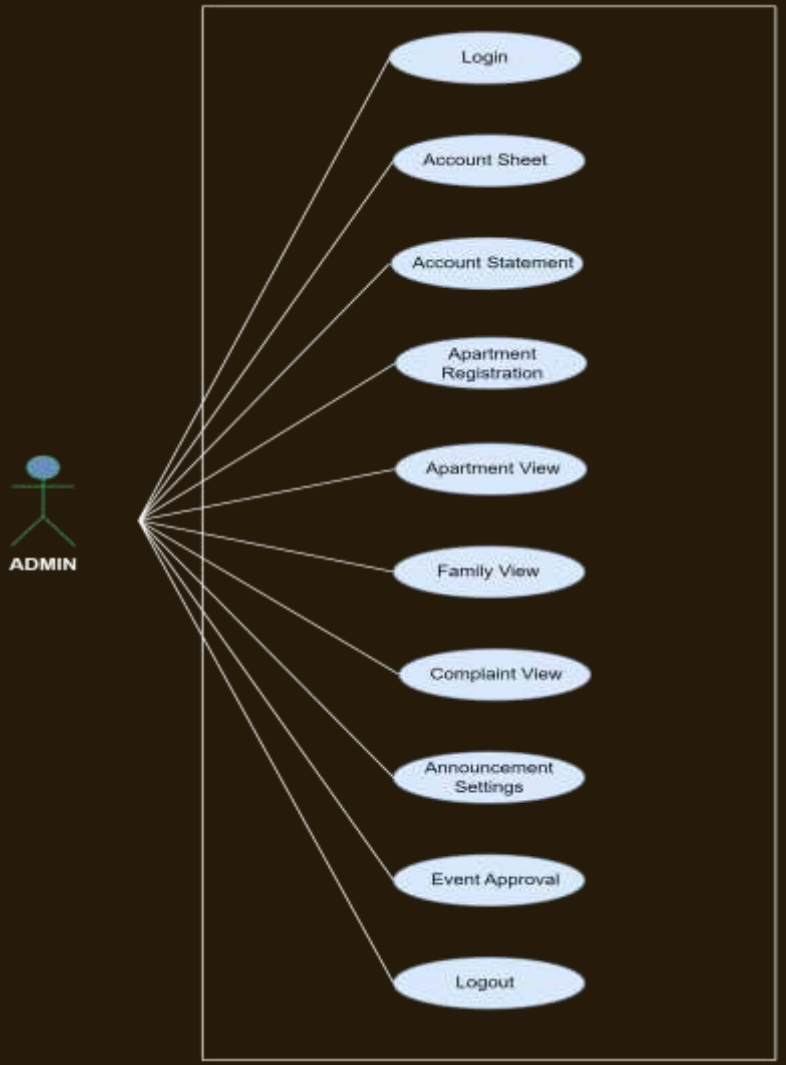
Use case of actor User



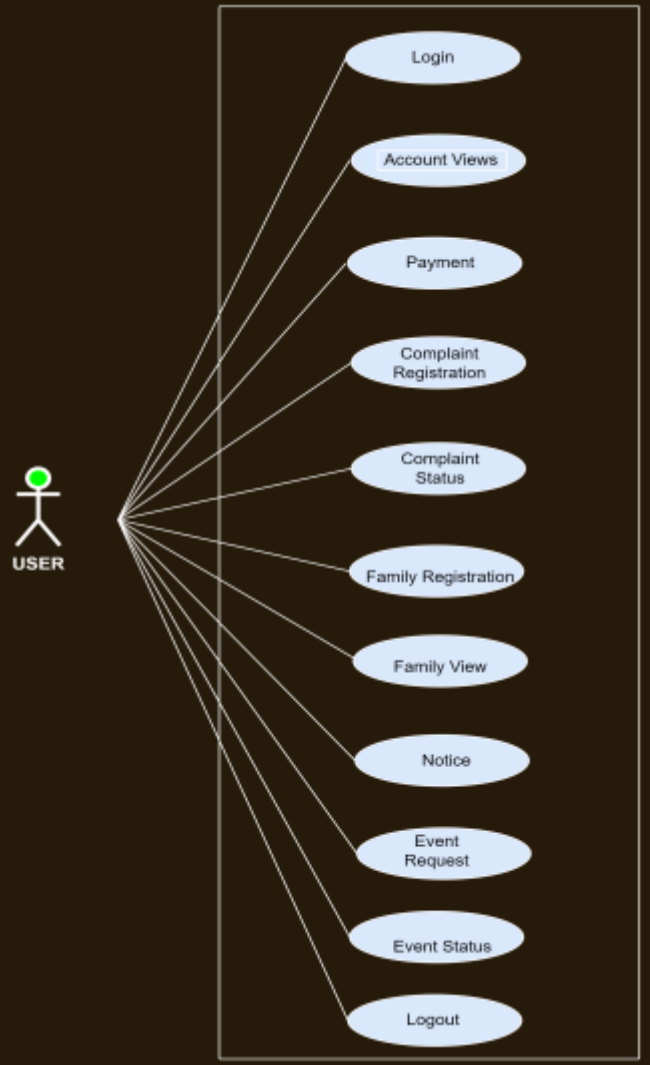
Use Case Diagram



USE CASE DIAGRAM OF ADMIN



USE CASE DIAGRAM OF USER



System Requirements

Hardware Requirements

The hardware required for the application are the following:

Processor: Intel Core i5

RAM: 16GB

Storage: 512GB SSD

Software Requirements

The Software required for the application are the following:

IDE: Visual Studio 2022,Visual Studio Code 2022

Front End : HTML, Angular 15.0.0

Back End : C Sharp

Framework: Angular 15.0.0,.NET Core

Database: Microsoft SQL Server Management Studio V18.12.1

Platform : Windows 10

03

SYSTEM DESIGN

Project WorkFlow

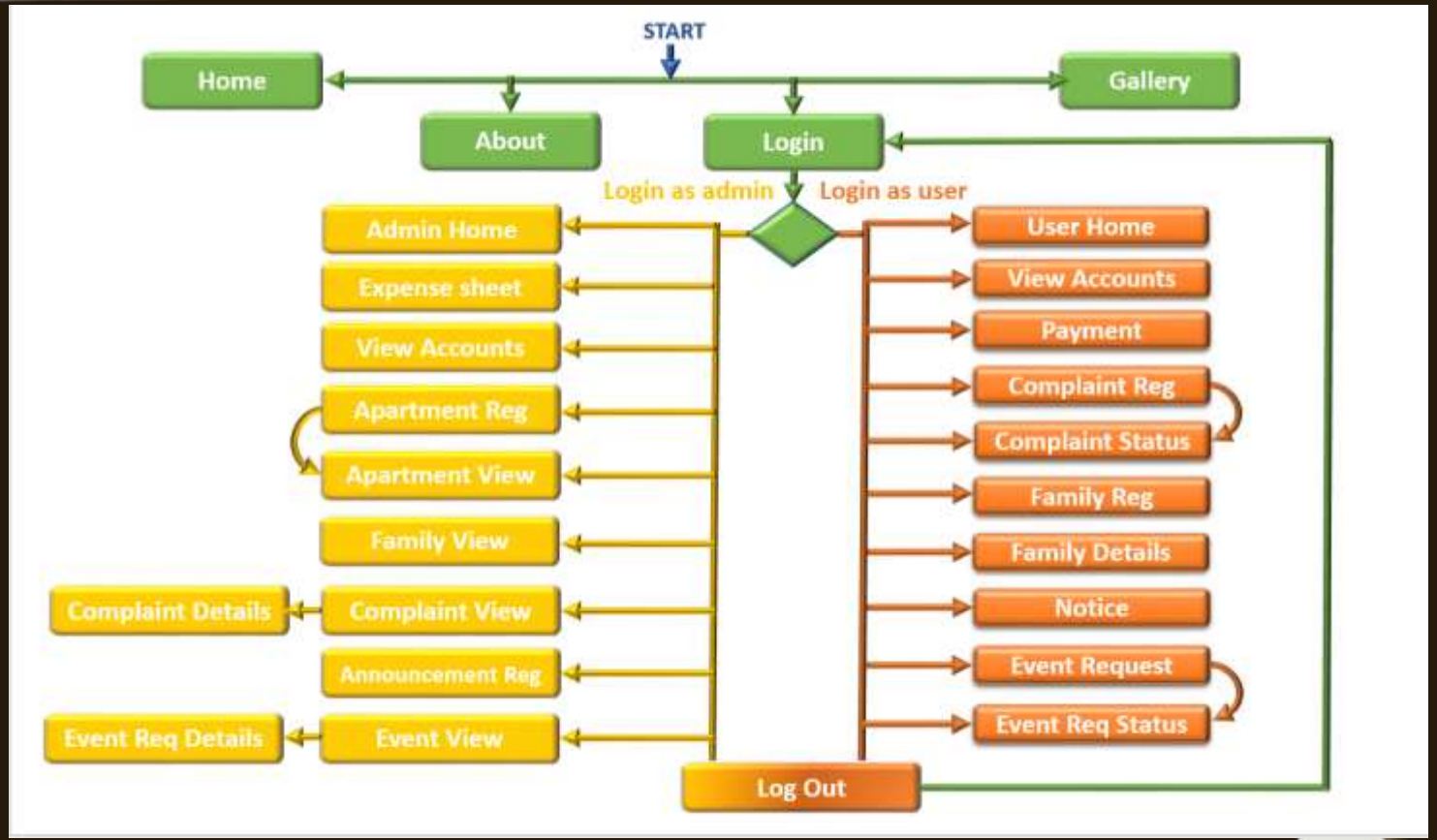

START
Home
Gallery
About
Login
Login as admin
Login as user
Admin Home
Expense sheet
View Accounts
Apartment Reg
Apartment View
Family View
Complaint Details
Complaint View
Announcement Reg
Event Req Details
Event View
User Home
View Accounts
Payment
Complaint Reg
Complaint Status
Family Reg
Family Details
Notice
Event Request
Event Req Status
Log Out

Table Design

List of Tables

1. tblApartments
2. tblcomplaints
3. tblEventReg
4. tblFamily
5. tblNotice
6. tblIncome
7. tblDeduction

Table1:tblApartment

Field Name	Data Type	Constraints	Description
id	Int ,Identity	Not Null	Id of user
FirstName	Nvarchar(Max)	Not Null	User firstname
LastName	Nvarchar(Max)	Not Null	User last name
PhoneNumber	Nvarchar(Max)	Not Null	User phone number
ApartmentNumber	Nvarchar(Max)	Not Null	User apartment number
ApartmentName	Nvarchar(Max)	Not Null	User apartment name
UserName	Nvarchar(Max)	Not Null	User name
Password	Nvarchar(Max)	Not Null	User password

Table2:tblcomplaint

Field Name	Data Type	Constraints	Description
id	Int, Identity(1,1)	Not Null	Id of user
ApartmentNumber	Nvarchar(Max)	Not Null	User apartment number
UserName	Nvarchar(Max)	Not Null	User name
ComplaintSubject	Nvarchar(Max)	Not Null	Subject of Complaint
Complaints	Nvarchar(Max)	Not Null	Complaint Details
status	Nvarchar(Max)	Not Null	Status of complaint

Table3: tblEventReg

Field Name	Data Type	Constraints	Description
id	Int,Identity(1,1)	Not Null	Id of user
ApartmentNumber	Nvarchar(Max)	Not Null	User apartment number
UserName	Nvarchar(Max)	Not Null	User name
Event	Nvarchar(Max)	Not Null	Event Registration
EventDetails	Nvarchar(Max)	Not Null	Upcoming Event details
date	Nvarchar(Max)	Not Null	Date of Event
Status	Nvarchar(Max)	Not Null	Status of Event confirmed or not

Table4: tblFamily

Field Name	Data Type	Constraints	Description
id	Int ,Identity(1,1)	Not Null	Id of user
FirstName	Nvarchar(Max)	Not Null	User firstname
LastName	Nvarchar(Max)	Not Null	User last name
inlineRadioOptions	Nvarchar(Max)	Not Null	Gender of user
dob	Nvarchar(Max)	Not Null	Date of birth of user
Email	Nvarchar(Max)	Not Null	User email
PhoneNumber	Nvarchar(Max)	Not Null	Phone number of user
Occupation	Nvarchar(Max)	Not Null	Occupation of user
ApartmentNumber	Nvarchar(Max)	Not Null	User apartment number
ApartmentName	Nvarchar(Max)	Not Null	User apartment name

Table5: tblNotice

Field Name	Data Type	Constraints	Description
id	Int,Identity(1,1)	Not Null	Id of user
date	Nvarchar(Max)	Null	Date of Event
Title	Nvarchar(Max)	Null	Event Title
Subject	Nvarchar(Max)	Null	Subject of Event

Table6: tblIncome

Field Name	Data Type	Constraints	Description
Field Name	Data Type	Constraints	Description
id	Int,Identity(1,1)	Not Null	Id of user
ApartmentNumber	Nvarchar(Max)	Not Null	User apartment number
UserName	Nvarchar(Max)	Not Null	User name
Event	Nvarchar(Max)	Not Null	Event Registration
paymentamt	Nvarchar(Max)	Not Null	Amount to pay
date	Nvarchar(Max)	Not Null	Date of Event

Table7: tblDeduction

Field Name	Data Type	Constraints	Description
id	Int	Not Null	Id of user
Paymentamt	Nvarchar(Max)	Not Null	Date of Event
event	Nvarchar(Max)	Not Null	Event details
date	Nvarchar(Max)	Not Null	Date of Event

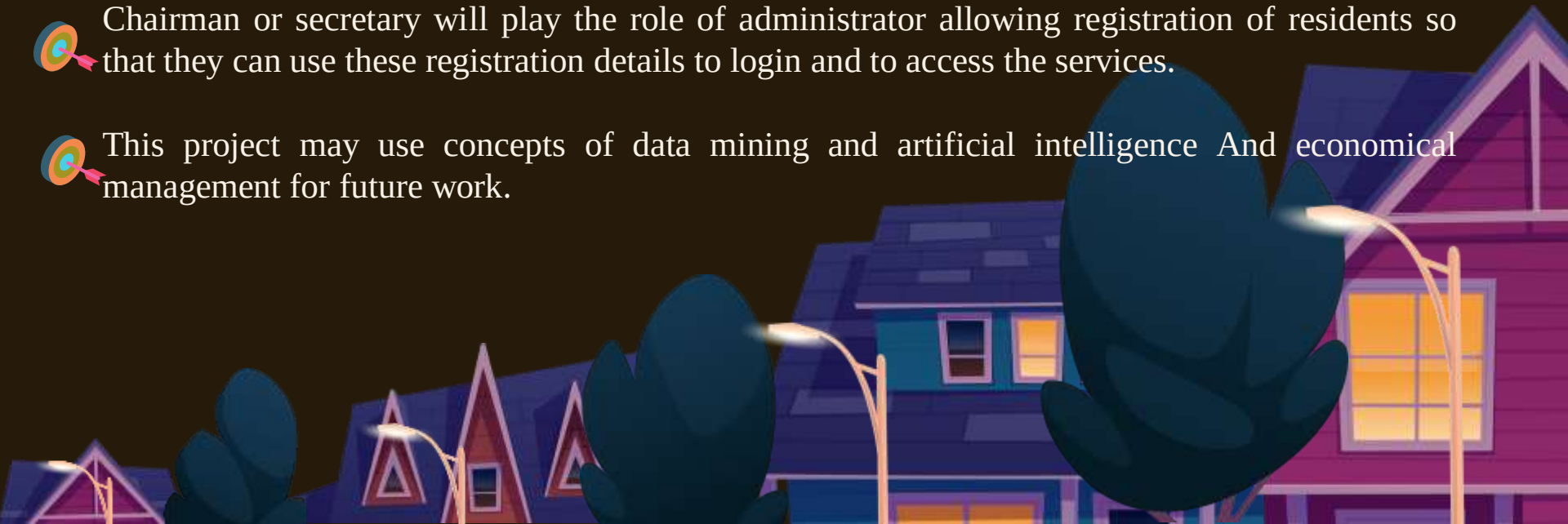
04
CONCLUSION

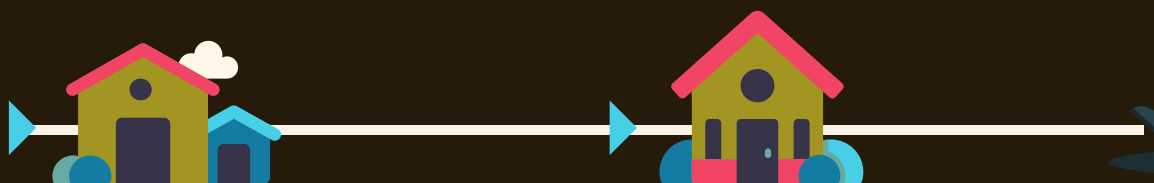
- The entire solution will provide a hassle free, user friendly affordable communication platform to develop healthy relations between housing society members and a smarter way of interconnectivity.

- This Application manages housing society through “Notice technology” that will assist the society members to play their roles effectively.

- Chairman or secretary will play the role of administrator allowing registration of residents so that they can use these registration details to login and to access the services.

- This project may use concepts of data mining and artificial intelligence And economical management for future work.



THANK
YOU
OTP for guest no. 000325 is 4576
Vidya bai has arrived.
Your parcel is arriving Today.
Your order has been collected securely by the security guard.
No more parking issues
16:30
Friday, 06th July
You have booked the Club House for 10th July 2019, at 7:00 pm
Your Society Admin has issued a New Notice
Your complaint has been updated by the Society Admin

Do You Have Any Questions?