INTRODUCTION:
ESTATE MANAGEMENT

Estate management is the comprehensive administration, operation, and oversight of real estate properties and assets. Estate management encompasses the administration and supervision of real estate properties across various sectors, including government, private organizations, and residential buildings categorized into Types 1 to 8 quarters.

When considering specific criteria such as government employees, elite establishments, and private entities, estate management can be tailored to meet the unique needs and expectations of each category:

- **Government Employees:** Estate management for government employees ensures safe, convenient, and compliant living spaces. Properties are secure, private, and close to government offices. Regular maintenance and good tenant communication keep standards high, providing a comfortable living environment for government employees and their families**.**
- **Elite Establishment:**
- **Private Entities:** Estate management for private entities involves managing privately-owned properties with a focus on practical and personalized care. It includes maintaining the property, handling financial aspects efficiently, and adapting services to the owner's specific needs. The aim is to ensure smooth operations, preserve property value, and deliver a tailored management experience that suits the owner's preferences.

ESTATE MANAGEMENT SYSTEM

In this project the Estate Management has been divided into three modules named as:

- **ASSETS MANAGEMENT:** -

  Keep track of properties and their values. This includes scheduling maintenance and repairs, as well as getting reports on asset performance.

- **ALLOTTMENT OF ASSETS:-**

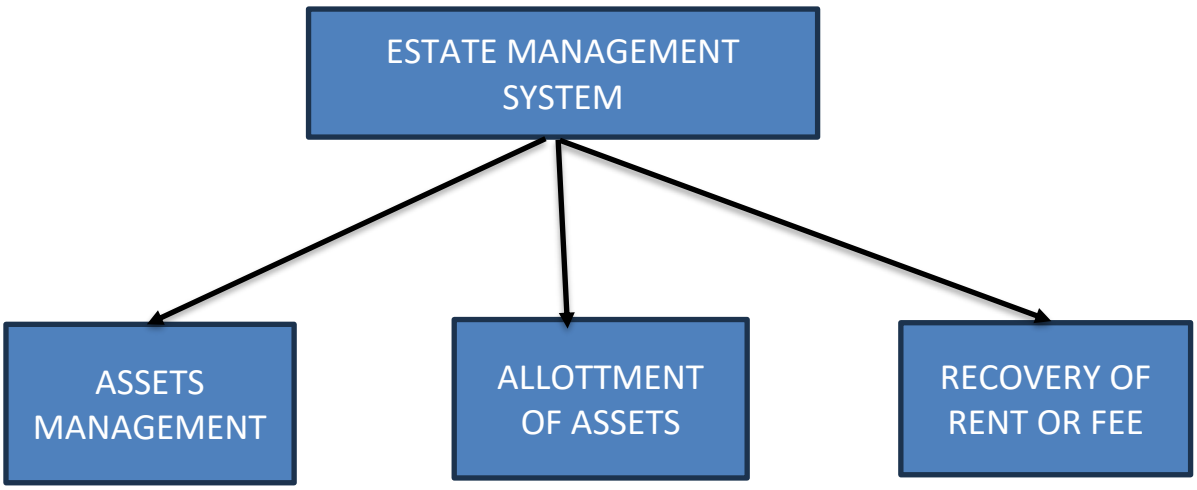
  Manage allocation of housing to individuals or families. This involves tracking availability and occupancy of quarters, as well as automating the allocation process.

- **RECOVERY OF RENT OR FEE:-**

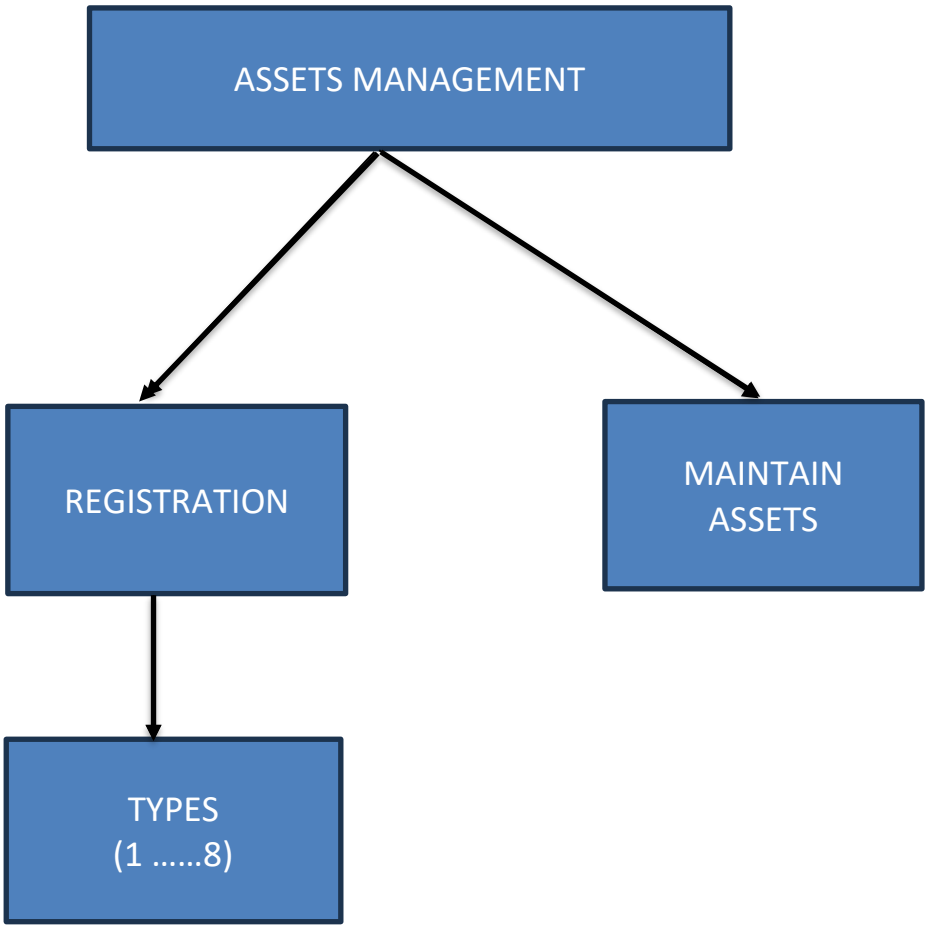
  Calculate and collect rent from tenants. This includes tracking payments and debts, as well as getting reports on financial performan

DATA FLOW DIAGRAM

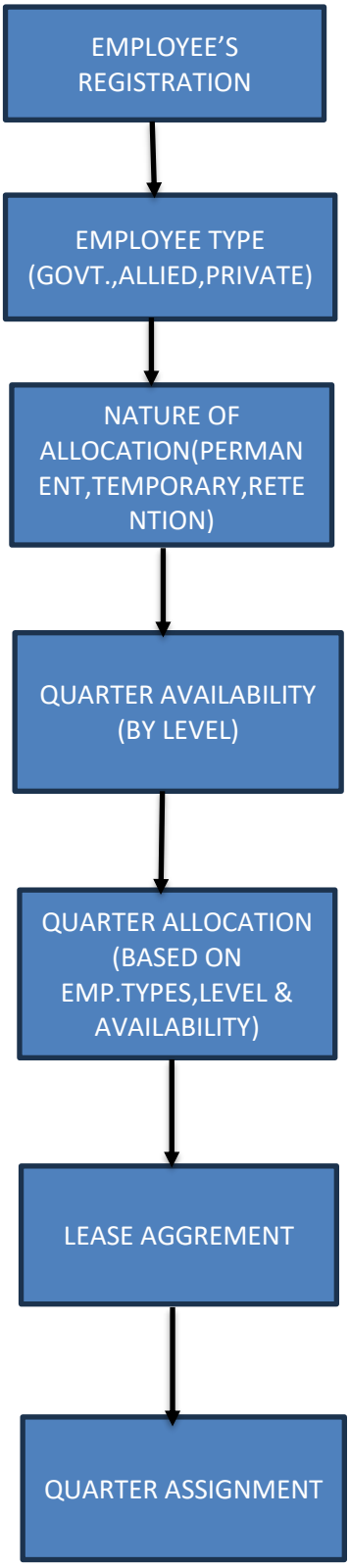
LEVEL 0



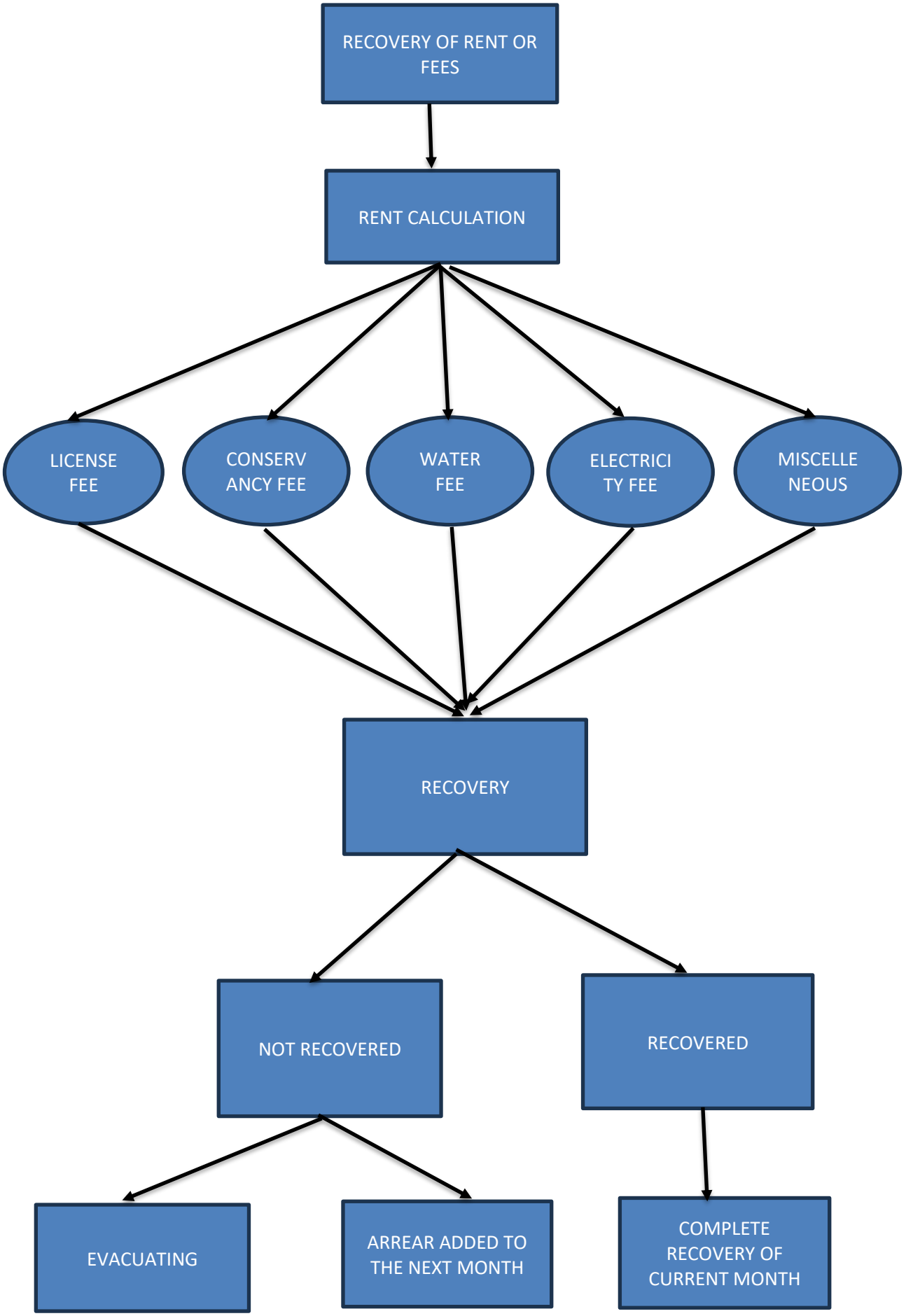
LEVEL 1



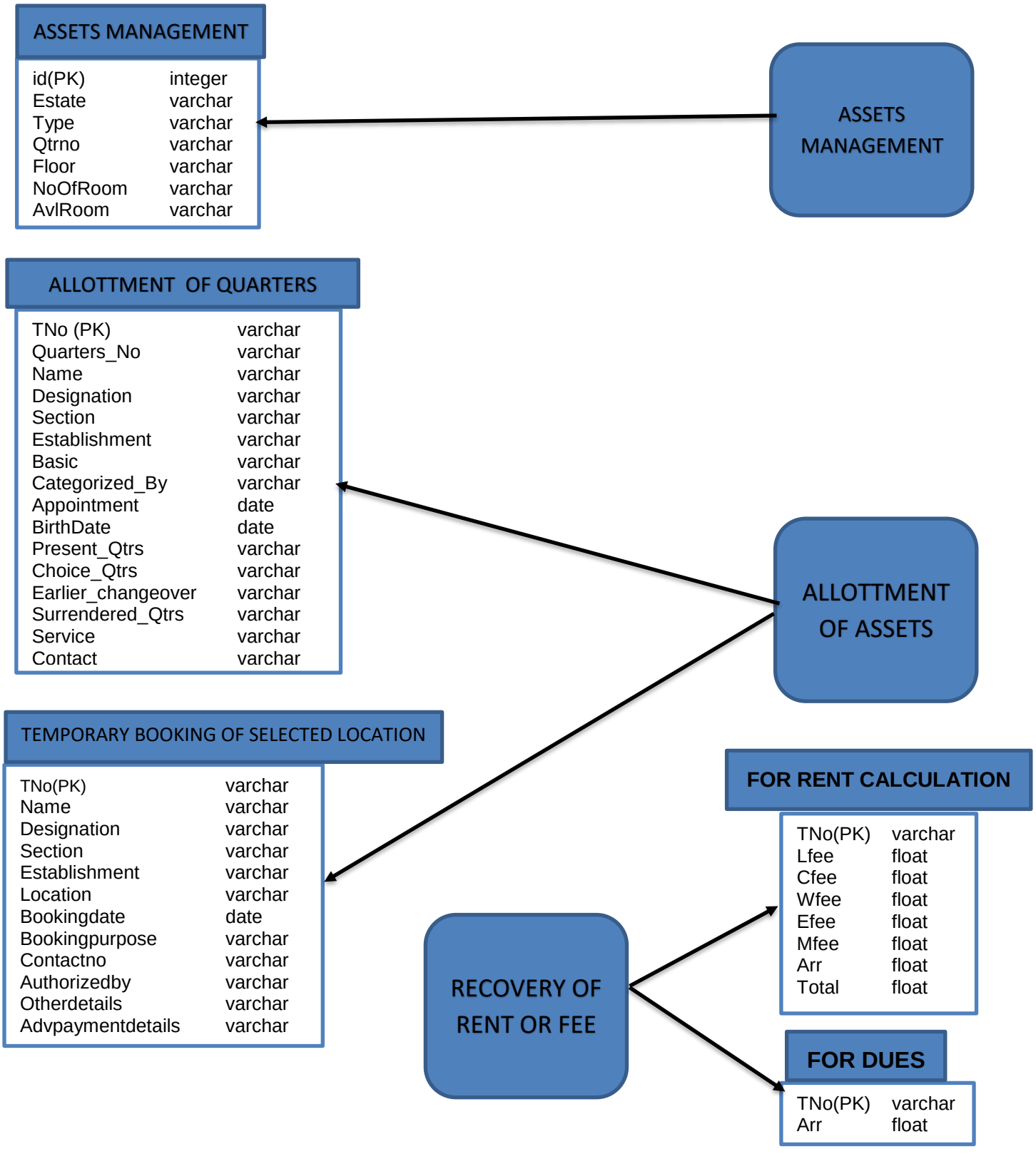
LEVEL 2


EMPLOYEE'S REGISTRATION
EMPLOYEE TYPE (GOVT.,ALLIED,PRIVATE)
NATURE OF ALLOCATION(PERMANENT,TEMPORARY,RETENTION)
QUARTER AVAILABILITY (BY LEVEL)
QUARTER ALLOCATION (BASED ON EMP.TYPES,LEVEL & AVAILABILITY)
LEASE AGGREMENT
QUARTER ASSIGNMENT

LEVEL 3


RECOVERY OF RENT OR FEES
RENT CALCULATION
LICENSE FEE
CONSERV ANCY FEE
WATER FEE
ELECTRICI TY FEE
MISCELLE NEOUS
RECOVERY
NOT RECOVERED
RECOVERED
EVACUATING
ARREAR ADDED TO THE NEXT MONTH
COMPLETE RECOVERY OF CURRENT MONTH

CONCEPTUAL SCHEMA



ENTITIES AND ATTRIBUTES

This section of the document explains the entities used in the project, their attributes and how they will work together. Basically, this is intended to make the design more easy and understandable for everyone. By defining these entities and their attributes, and showing how they interconnect, this section aims to clarify the system's design. It ensures that all components are easily understood and efficiently managed, providing a comprehensive overview that simplifies the overall design for everyone involved.

ENTITIES:-

- ASSETS MANAGEMENT
- ALLOTTMENT OF ASSETS
- RECOVERY OF RENT OR FEE

ASSETS MANAGEMENT**:-**

Asset management is the systematic process of developing, operating, maintaining, and selling assets in a cost-effective manner. It includes two main components:
i. Registration: Categorizing and tracking assets by assigning them specific types, usually Type 1 to 8.
ii. Maintenance: Ensuring assets remain functional and efficient through regular inspections, repairs, and upgrades.

ATTRIBUTES:-

Name	Data Type	Type
id	integer	Primary key attribute
Estate	varchar	Non_key attribute
Type	varchar	Non_key attribute
Qtrno	varchar	Non_key attribute
Floor	varchar	Non_key attribute
NoOfRoom	varchar	Non_key attribute
AvlRoom	varchar	Non_key attribute

ALLOTTMENT_OF_ASSETS:-

Allotment of Assets involves the distribution and assignment of assets to various departments, teams, or individuals within an organization. This process ensures that resources are allocated efficiently to meet operational needs and support organizational goals.

i. Allottment Of Quarters: Allotment of Quarters refers to the process of assigning residential spaces (quarters) within a property or estate to individuals or families. This is typically done based on criteria such as need, eligibility, and availability.

ii. Temporary Booking Of Selected Location: Temporary Booking of Selected Location involves reserving a specific property or part of an estate for short-term use. This could be for temporary residents, guests, or special events.

ATTRIBUTES:-

ALLOTTMENT OF QUARTERS

Name	Data Type	Type
TNo	varchar	Primary_key attribute
Quarters_No	varchar	Non_key attribute
Name	varchar	Non_key attribute
Designation	varchar	Non_key attribute
Section	varchar	Non_key attribute
Establishment	varchar	Non_key attribute
Basic	varchar	Non_key attribute
Categorized_By	varchar	Non_key attribute
Appointment	date	Non_key attribute
BirthDate	date	Non_key attribute
Present_Qtrs	varchar	Non_key attribute
Choice_Qtrs	varchar	Non_key attribute
Earlier_changeover	varchar	Non_key attribute
Surrendered_Qtrs	varchar	Non_key attribute
Service	varchar	Non_key attribute
Contact	varchar	Non_key attribute

TEMPORARY BOOKING OF SELECTED LOCATION

Name	Data Type	Type
TNo	varchar	Primary_key attribute
Name	varchar	Non_key attribute
Designation	varchar	Non_key attribute
Section	varchar	Non_key attribute
Establishment	varchar	Non_key attribute
Location	varchar	Non_key attribute
Bookingdate	date	Non_key attribute
Bookingpurpose	varchar	Non_key attribute
Contactno	varchar	Non_key attribute
Authorizedby	varchar	Non_key attribute
Otherdetails	varchar	Non_key attribute
Advpaymentdetails	varchar	Non_key attribute

RECOVERY OF RENT OR FEE:-

- License Fee: Charge for the right to use or occupy a property, based on size and location.
- Conservancy Fee: Payment for maintenance of common areas, covering cleaning and upkeep.
- Water Fee: Cost based on water consumption, measured by meters.
- Electricity Fee: Charge based on electricity usage, measured by meters.
- Miscellaneous Fees: Additional charges for other services or amenities, such as parking, garbage collection, or administrative fees.

Dues and Defaulters:-

- Dues: Any unpaid fees are recorded as outstanding amounts.
- Defaulter Form: Used to identify and manage individuals or entities that have not paid their dues. It includes details of the outstanding amount and actions required to settle the payment.

ATTRIBUTES:-

FOR RENT CALCULATION

Name	Data Type	Type
TNo	varchar	Primary_key attribute
Lfee	float	Non_key attribute
Cfee	float	Non_key attribute
Wfee	float	Non_key attribute
Efee	float	Non_key attribute
Mfee	float	Non_key attribute
Arr	float	Non_key attribute
Total	float	Non_key attribute

FOR DUES

Name	Data Type	Type
TNo	varchar	Primary_key attribute
Arr	float	Non_key attribute