

Post Graduate Diploma in Advance Computing



PG-MATES

Project Title



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By Team-37

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Abstract

PG Mates application is a webpage where house owners and users can exchange information effectively and inexpensively.

It's frequently seen that the people need to move in different metropolises due to their jobs , education etc

So **PG-mates** will provide them a platform to search for PG sharing room online.

There will be numerous options available with respect to bed capacity, gender, area and rent.

users will see all the PG apartment that are secure and verify by admin. Provides user-friendly interface, satisfying the needs of the consumers.

user can book the bed from our application easily, so that his time and money will save. user can aslo view photos of apartment and book that bed and cancel it also.

user can able to sort apartment on the basis of their need on the basis of gender, beds, type .

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Introduction

We are stuck with technology when what we really want is just stuff that works. With the current paradigm shift in technological field, there is an urgent need to embrace and appreciate the power of technology. PG sector remains vigilant to face the challenges of change by employing a new strategy that facilitates easy management of PG rental houses. Hence there is need to develop a PG rental house management system called 'PG-mates' that can simplify work for the rental managers so that all their work can be efficient and effective.

Here, the user can search for rental properties using different keywords. Meanwhile, the system filters out all the available results and displays each to the user. In fact, this whole section falls upon the client-side. The search result includes the property details like owner details, occupancy status, contact information, image, address and more. Here, this particular field plays an important role for the users to find their best PG for rental use. The user can look upon a number of search results with an image attachment of each. With it, the system automatically displays the rental and selling amount of each.

System Requirement Specification

Overview

We have designed this website with the purpose of easily availability of sharing rooms for students , office workers and migrants. With the help of this website we can easily search rooms and we can see photos also. Its save lots of time and money for searching sharing rooms. Owner will aslo get platform to add their property on website so they will aslo get lots of traffic.

User Of the system

1. Owner
2. User
3. Admin

Owner :

This module is operated by the user who is the owner of the property and wants to give it for rent. The owner should register with an application which will be authorized by the admin. The owner can upload room details, pictures, location, rent ..etc. which comes under owner module. The owner can view the house and add house form his module. He can aslo see the bookings and payments of user. Owner can aslo deactivate his property for showing to user after all the beds get booked.

User:

This module is operated by a User who needs to register with the application. A User is a person who is looking for sharing rooms. User can search based on specifications , Gender, beds and get results about details. User can see photos of rooms and all the services provided by room owner. User can book and cancel the booking also.

Admin:

This module is operated by a admin who will look after owner registering with the application and active and deactivate them. Admin can see all the users and owner and his property. Admin will get all the feedback given by user so that he will make necessary changes in future.

Output Details:

- Home Page:
- Login Page:
- House Owner home Page:
- View Owner profile page:
- Add House details:
- View added House details:
- Admin login:
- Admin Home:
- View owner and activate:
- View Feedback
- User Registration:
- User Login:
- User Home Page:
- View Profile Page:
- Search PG rental Houses:
- Book / cancel
- Give Feedback
- Results Page:
- About us:

Software Requirement and Hardware Requirement

- **Software Requirements:**

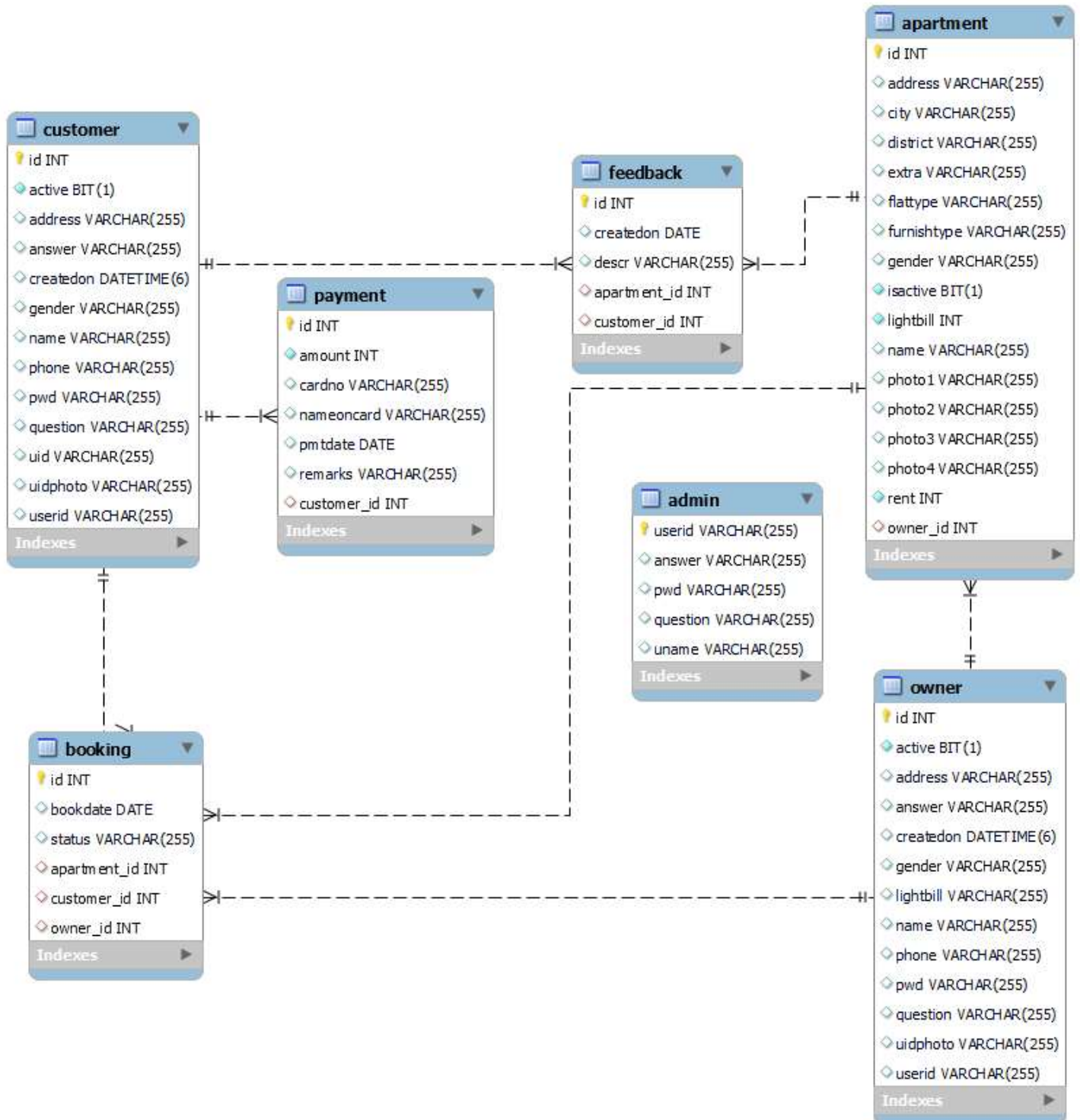
- Technology : J2EE, Hibernate, Spring Boot
- Web-Technologies : React, CSS, JavaScript
- Web Server : Tomcat 9.0
- Java Version : JAVA Version 11
- Backend Database : MySQL 8.0
- IDE : Eclipse , VS code

- **Hardware Requirements (Minimum):**

- Processor : Pentium IV
- RAM Capacity : 1GB
- Hard Disk : 160GB

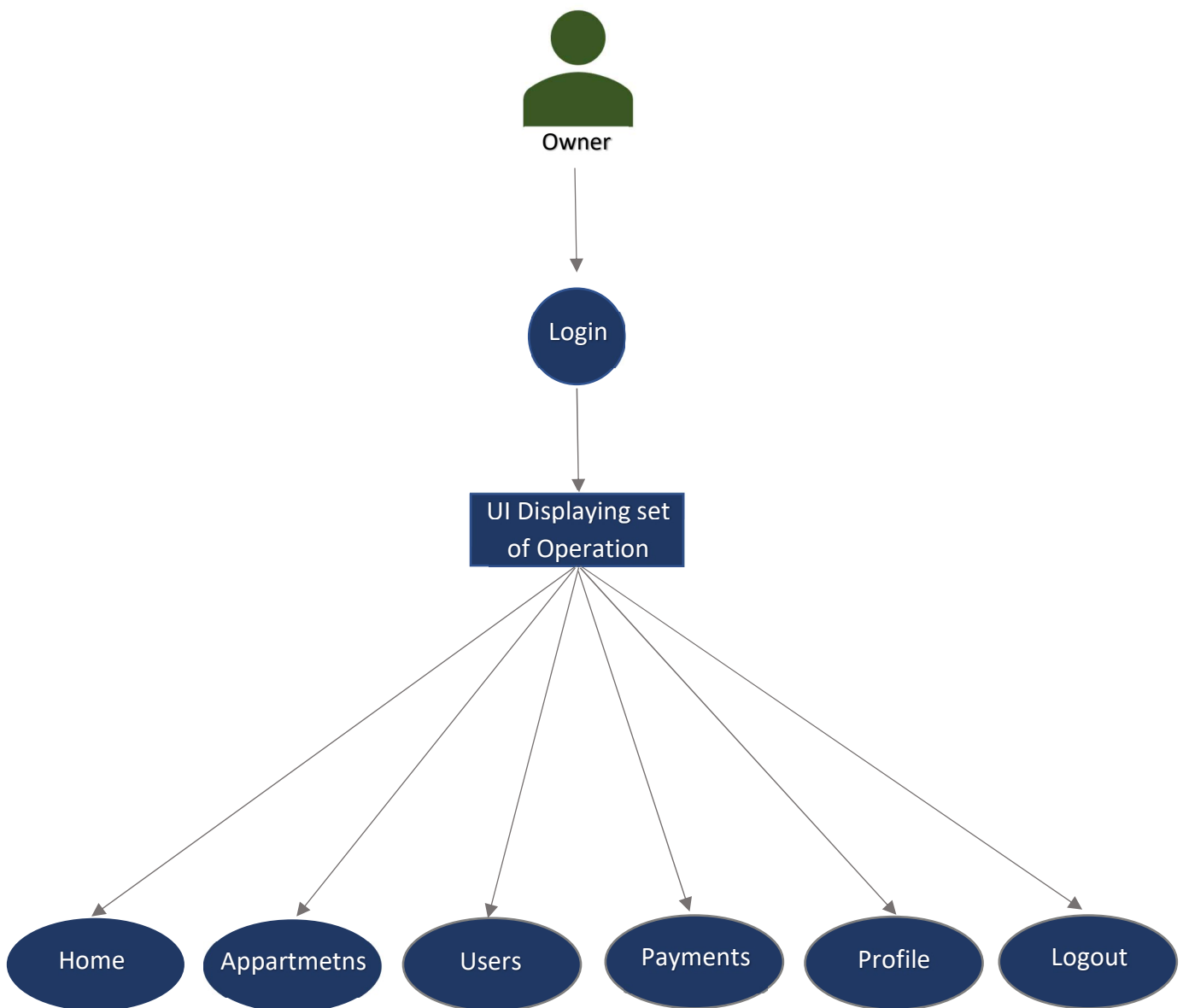
SYSTEM DESIGN

E-R DIAGRAM :

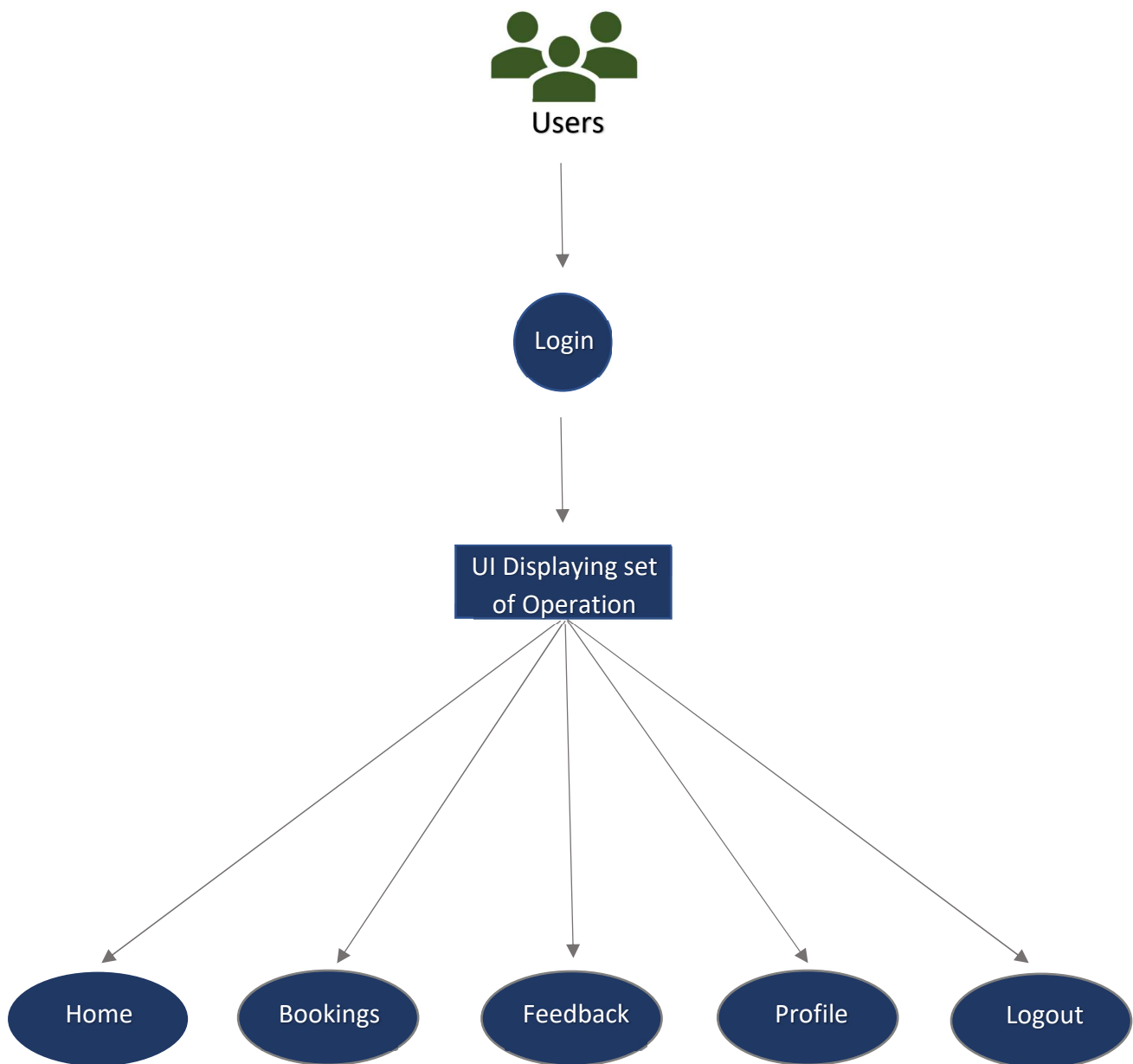


Data Flow Diagram(DFD):

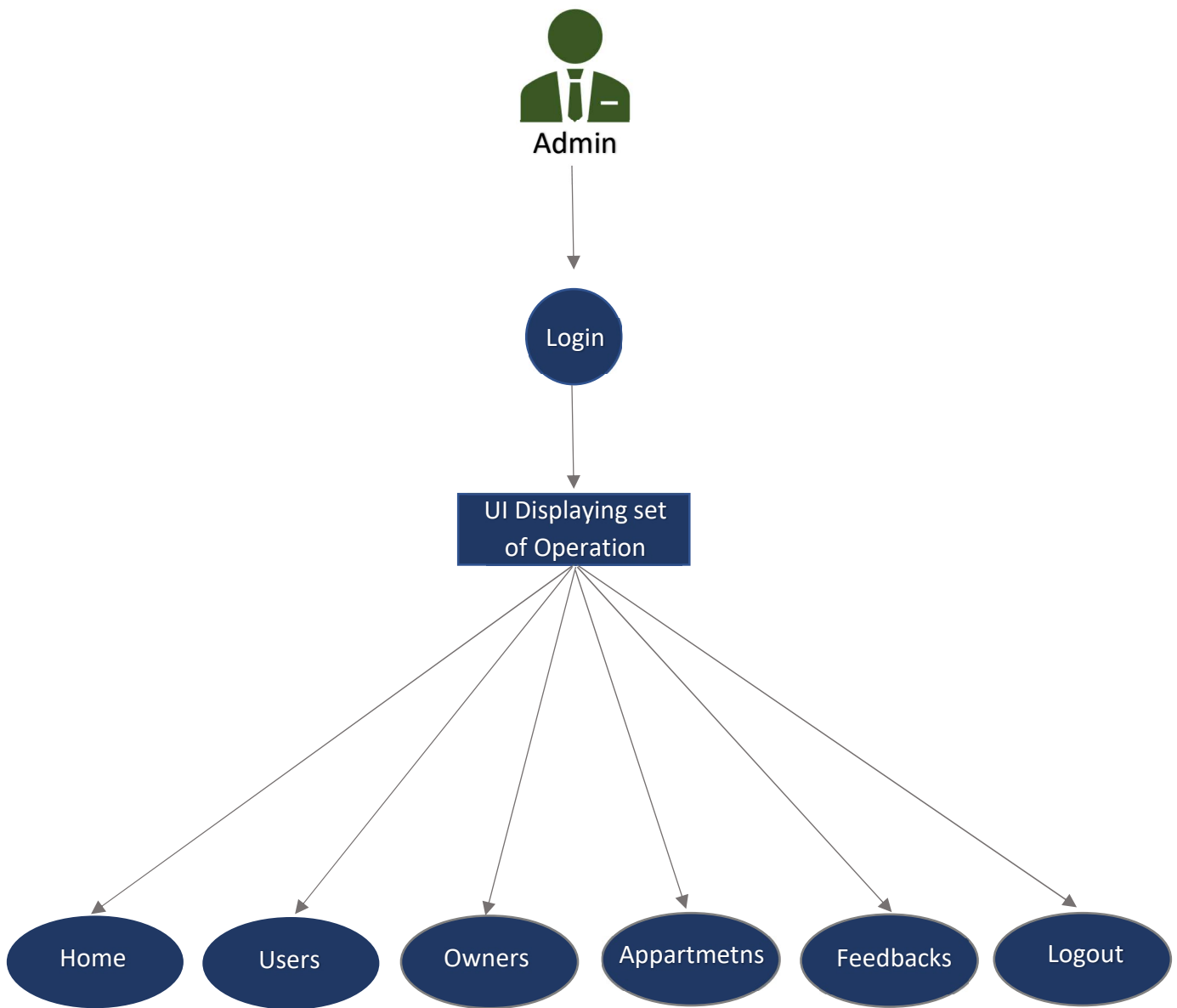
2.1 Owner DFD:



2.2 User DFD :



2.3 Admin DFD :



SEQUENCE DIAGRAM

