SYSTEM REQUIREMENTS STATEMENT (SRS)
NEXTHOME – PG & HOSTEL RENTING SYSTEM

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1. Introduction

This document explains the system requirements and scope for developing the Nexthome System.

Nexthome System is designed to help students and employees (called Tenants) who want to search suitable PG or Hostel accommodations, and PG Owners who want to list and manage their properties.

Nexthome System is divided into three main parts:

1. Admin Module

2. PG Owner Module

3. Tenant Module

This document describes the detailed system requirements of all three user modules of Nexthome System, including:

• Account creation

• Login and authentication

• Password recovery

• Account management

• Searching and viewing PG listings

• Adding and updating PG listings

• Handling inquiries and visit requests

• Administrative supervisory operations

This SRS provides a complete technical specification required for the development of Nexthome System.

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The Nexthome System has been divided into three major modules:

1. Admin Module

2. PG Owner Module

3. Tenant Module

Each module contains several processes which describe detailed functionality.

Before describing each module, a Business Requirement Specification (BRS) table is provided.

2.1 Admin Module

An **Admin** is the system authority who manages and monitors the entire application.
An admin can perform the following actions:

Admin performs:

- **Manage system users**

- **Approve or reject owner requests**

- **Monitor bookings**

- **View feedback**

- **Check available rooms**

2.1.1 A1 – Login Process

Admin enters:

- **UserID**

- **Password**

Only Admin user type is allowed to login.

2.1.2 A2 – Approve / Reject Owner Request

Admin can:

- **Approve valid PG Owner registration requests**

- **Reject invalid or incomplete requests**

2.1.3 A3 – View Booking

Admin can:

- **View all tenant bookings**

- **Check room, tenant, and owner details**

2.1.4 A4 – View Feedback

Admin can:

- **View feedback given by tenants**

- **Analyze service quality**

2.1.5 A5 – View Available Room

Admin can:

- **View all available rooms**

- **Check rent, location, and facilities**

2.2 PG Owner Module

An **Owner** is a user who provides PG or Hostel accommodation to tenants.
An owner can perform the following actions:

Owner performs:

- PG registration request

- Login to system

- Manage PG details

- Manage rooms & facilities

- Handle tenant requests

- Confirm tenants

- View complaints

- Check ratings & reviews

2.2.1 O1 – Request for Registration

Owner enters:

- Name

- Email

- Phone

- Address

- ID Proof

- PG Details

System sends request to **Admin for approval**.

2.2.2 O2 – Login

Owner enters:

- UserID

- Password

After successful login, owner can access dashboard.

2.2.3 O3 – Add / Update PG

Owner can:

- Add PG name

- Location

- Rent

- Rules

- Photos

Owner can also **update** existing PG details.

2.2.4 O4 – Add Room / Facilities

Owner can add:

- Room type (Single/Double)

- Number of rooms

- Price

- Facilities (WiFi, Food, AC, Parking, etc.)

2.2.5 O5 – View Requests

Owner can:

- View tenant booking requests

- Check tenant details

2.2.6 O6 – Confirm Tenant

Owner can:

- Approve tenant request

- Reject tenant request

After approval, room is booked.

2.2.7 O7 – View Complaints

Owner can:

- View complaints raised by tenants

- Take action to resolve them

2.2.8 O8 – View Ratings

Owner can:

- View ratings

- Read reviews

- Analyze service quality

2.3 Tenant Module

A Tenant is the user who wants to search and book PG or Hostel accommodation.

A tenant can perform the following actions:

Tenant performs:

- Register in the system

- Login to account

- Search PG/Hostel rooms

- View room details

- Add rooms to wishlist

- Send booking requests

- View booking confirmation

- Make payment

- Give complaints

- Submit reviews & ratings

2.3.1 T1 – Register

Tenant enters:

- Name

- Email

- Phone

- Password

- Address

Account is created after successful registration.

2.3.2 T2 – Login

Tenant enters:

- UserID

- Password

After login, tenant can access dashboard.

2.3.3 T3 – Search PG / Room

Tenant can search by:

- Location

- Rent

- Room type

- Facilities

2.3.4 T4 – View Room Details

Tenant can view:

- PG name

- Room type

- Rent

- Facilities

- Photos

- Rules

2.3.5 T5 – Add to Wishlist

Tenant can:

- Save favorite rooms

- View later for booking

2.3.6 T6 – Send Request for Booking

Tenant sends booking request to:

- PG Owner

- Selected room

2.3.7 T7 – View Confirmation

Tenant can:

- View booking status

- Check approval or rejection

2.3.8 T8 – Book Room (Payment)

Tenant makes:

- Online payment

- Booking confirmation

2.3.9 T9 – Give Complaint

Tenant can:

- Submit complaint

- Mention issue details

2.3.10 T10 – Give Review / Rating

Tenant can:

- Give star rating

- Write review

- Share experience

2.4 Use Case Diagram
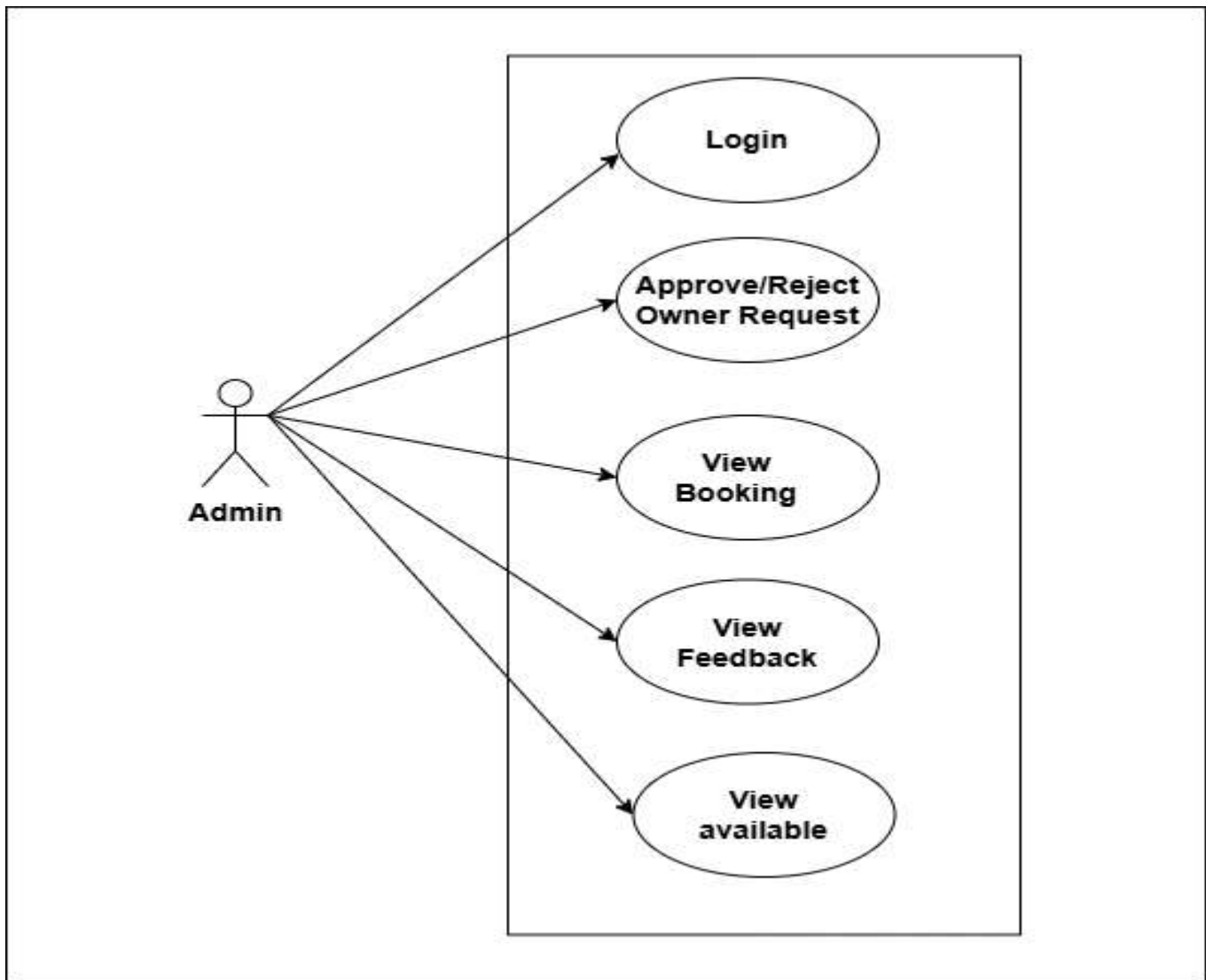
2.4.1 Use Case Diagram for Admin :

Fig. Use case diagram for admin

Admin:

1. In the **Admin Use Case Diagram**, **Admin** is the *Actor*.
2. Admin can handle the following use cases:
   a. Login
   b. Approve / Reject Owner Request
   c. View Booking
   d. View Feedback
   e. View Available Room

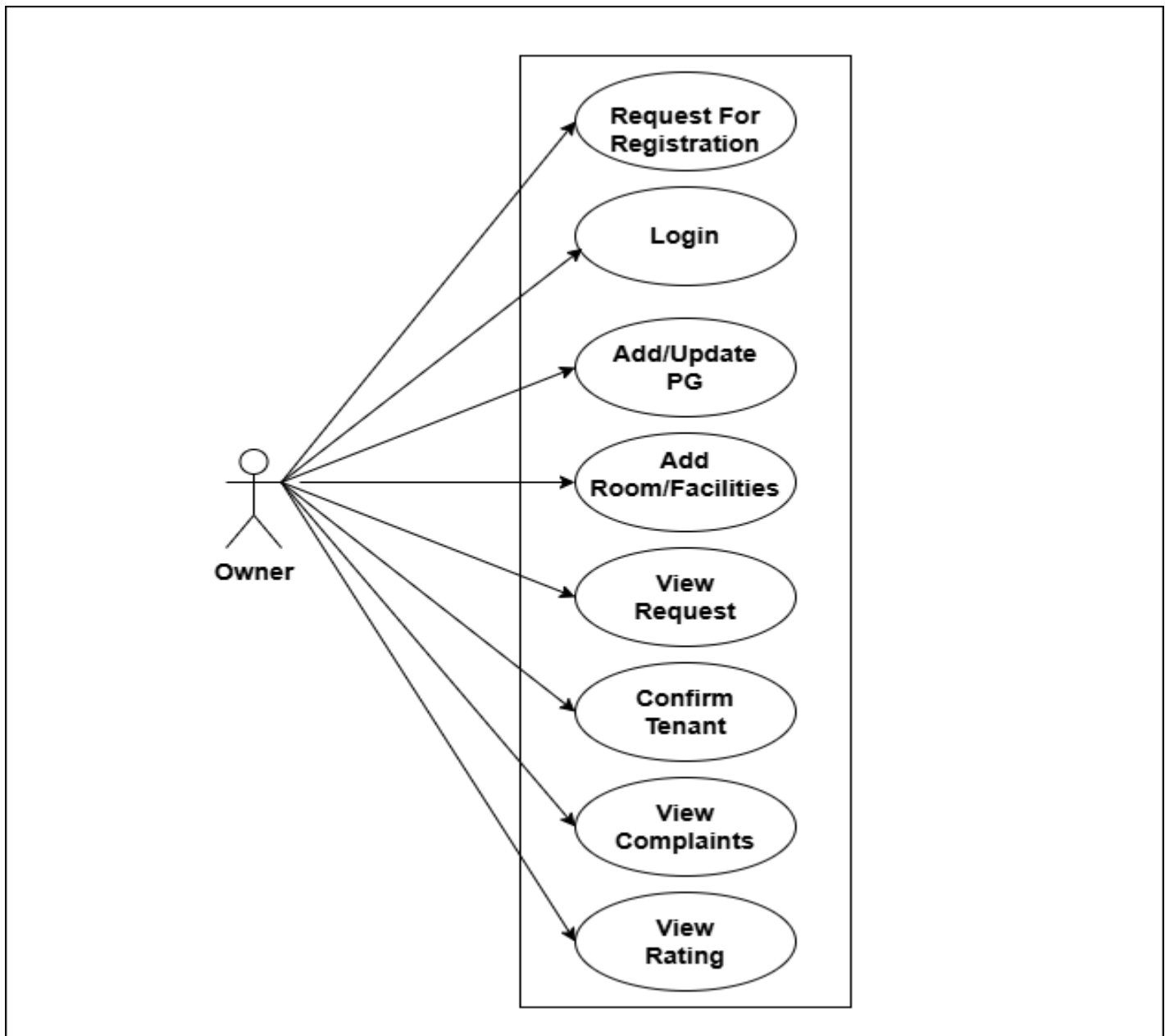**2.4.2 Use Case Diagram for Owner**

Fig. Use case diagram for Pg-Owner

Pg-Owner:

1. In the **Owner Use Case Diagram**, **Owner** is the *Actor*.
2. Owner can handle the following use cases:
   a. Request for Registration
   b. Login
   c. Add / Update PG
   d. Add Room / Facilities
   e. View Request
   f. Confirm Tenant

g. View Complaints

h. View Rating

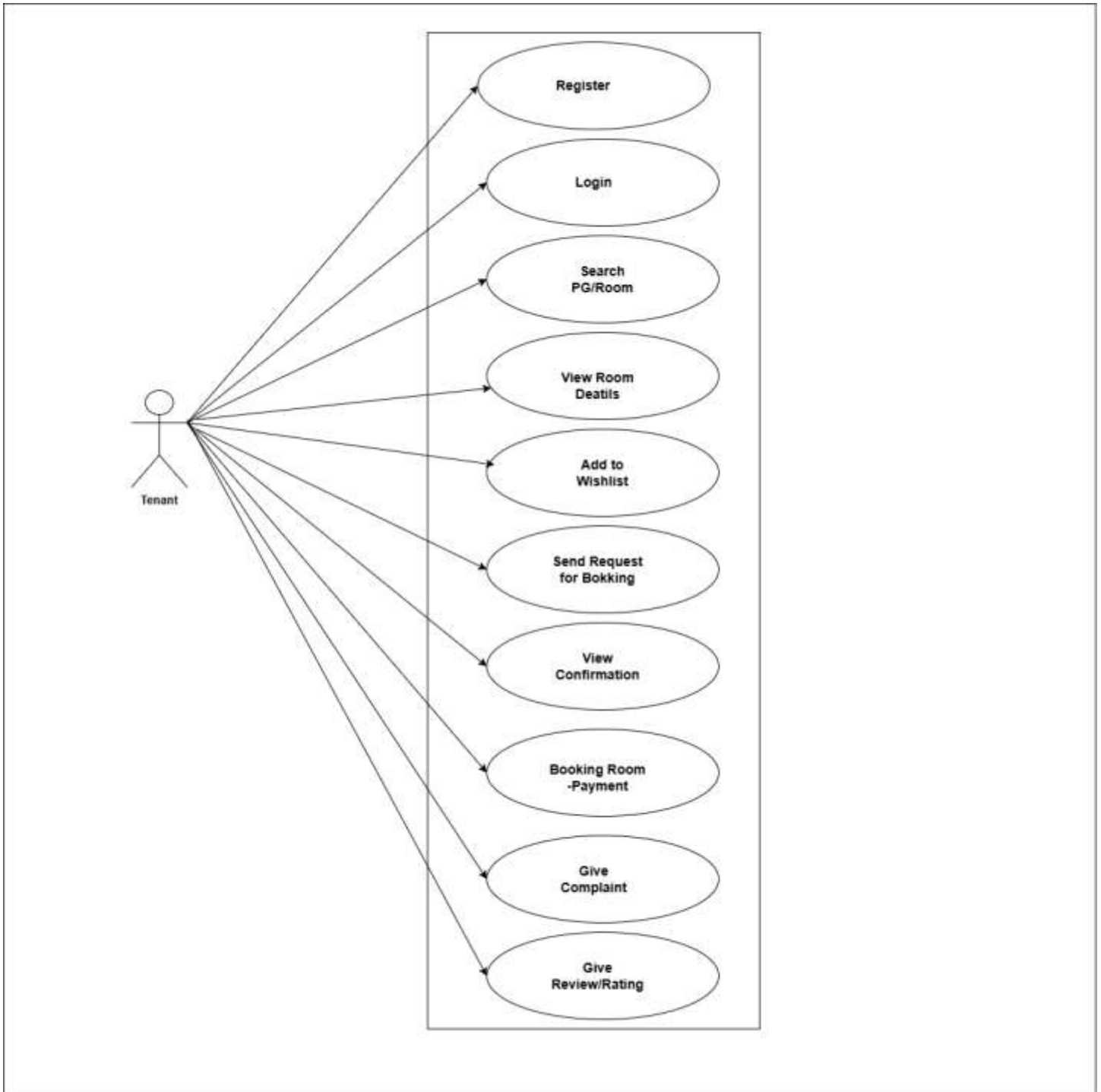## 2.4.3 Use Case Diagram for Tenant

Fig. Use case diagram for Tenant

Tenant:

1. In the **Tenant Use Case Diagram**, **Tenant** is the *Actor*.
2. Tenant can handle the following use cases:
   a. Register
   b. Login
   c. Search PG / Room
   d. View Room Details
   e. Add to Wishlist
   f. Send Request for Booking
   g. View Confirmation
   h. Booking Room – Payment
   i. Give Complaint
   j. Give Review / Rating