



Project Advisor
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RentoMate

Rent it Out!

Project Members:

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Requirements Gathering Methodology

Overview

Real Estate has been neglected by technology for a long time especially home renting sector as there is not a single platform available that streamlines home renting process. Rentomate helps to automate the home-renting process completely and securely but also make the process efficient, effective and hassle free.

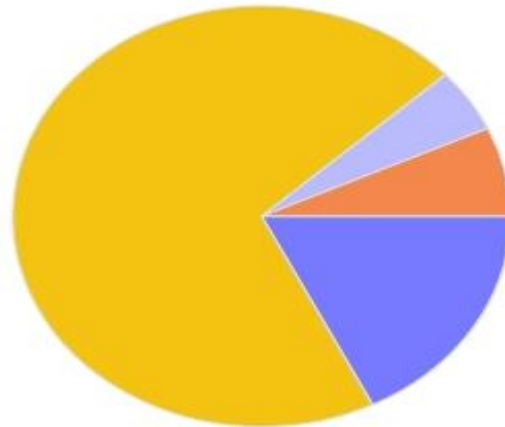
How requirements were gathered

Stakeholders:

- **Tenant**
 - What functionality do you expect?
 - How the price prediction should be?
- **Landlord**
 - What functionality do you expect?
 - How the payment process should be?

The results of system feasibility survey

Survey Results



■ Were satisfied with existing Solutions 18

■ Felt there that could be improvement 72

■ Didn't Liked the idea 5

■ Not sure if idea was feasible 7

Functional Requirements

FR-No.	Priority	
FR1	Essential	User should be able to register themselves and log in with provided details
FR2	Essential	User should be able to manage and check their account information
FR3	Essential	Filtration of properties with selected criteria should be possible
FR4	Essential	Landlord shall be able to manage their properties and Tenant may request maintenance or price by AI Model
FR5	Essential	Landlord and Tenant shall be able to communicate on platform and deal
FR6	Essential	The system shall provide payment management system
FR7	Essential	Contacting support and notification alerts shall be possible by system

Non-Functional Requirements

- **Performance :**

The server should response within one second max.

- **Security**

- JWT tokens for Authentication and Authorization
- SSL to avoid eavesdrop attack
- API endpoints require authorization

- **Scalability**

- Increase the number of servers as the number of users increase
- Use of Microservices for improved scalability

Non-Functional Requirements

- **Accuracy:**

- The database design should assure the correctness of data through correctly manage concurrent tasks.

- **Usability**

- The app can be accessed through:
Any Web Browser
Android/IOS

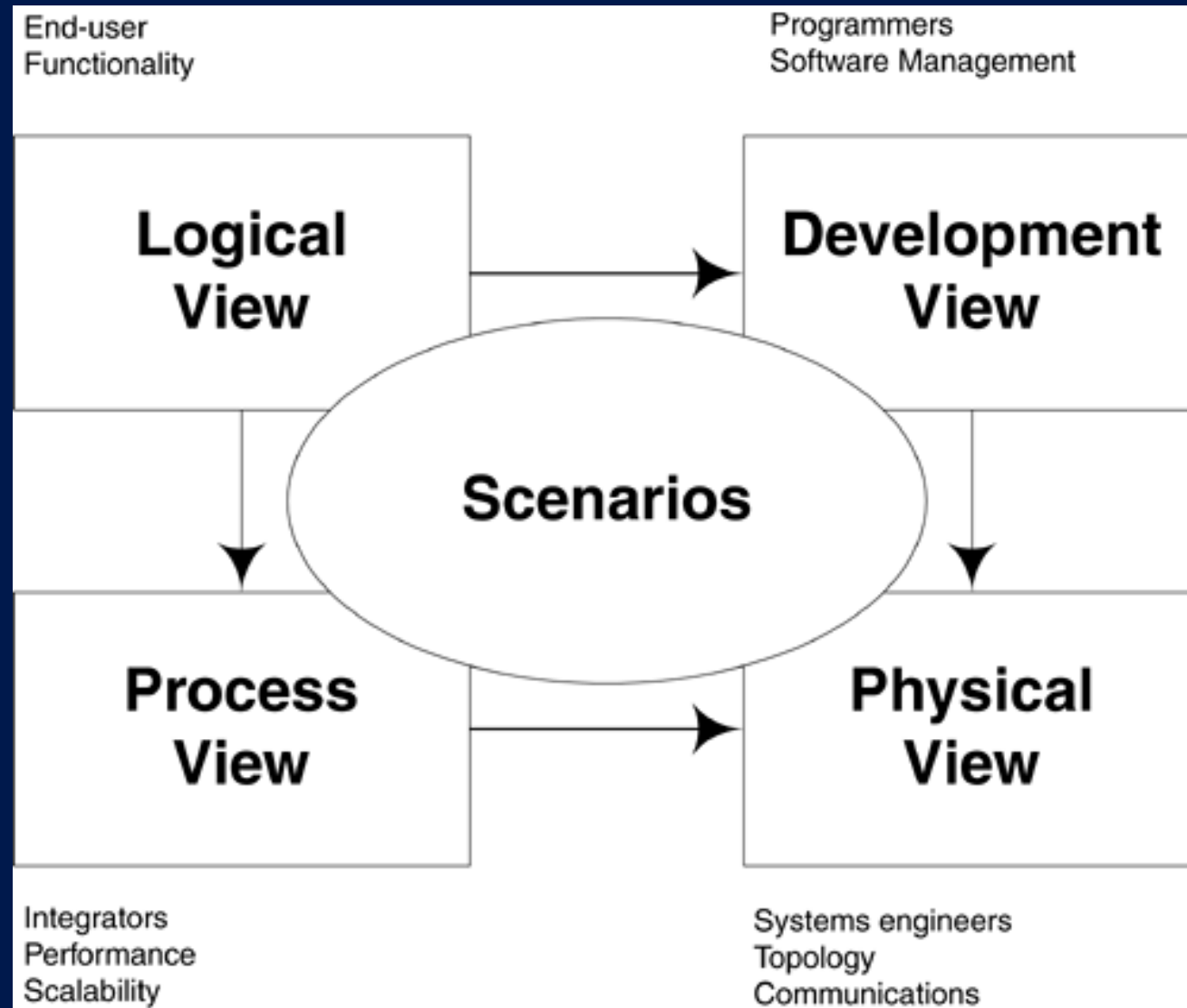
- **Data Integrity**

- Data needs to be validated before entering to the database.
- The data should fulfill the constraints.

- **Maintainable**

Use of microservices enables us to add more features fast as compared to monolithic architecture.

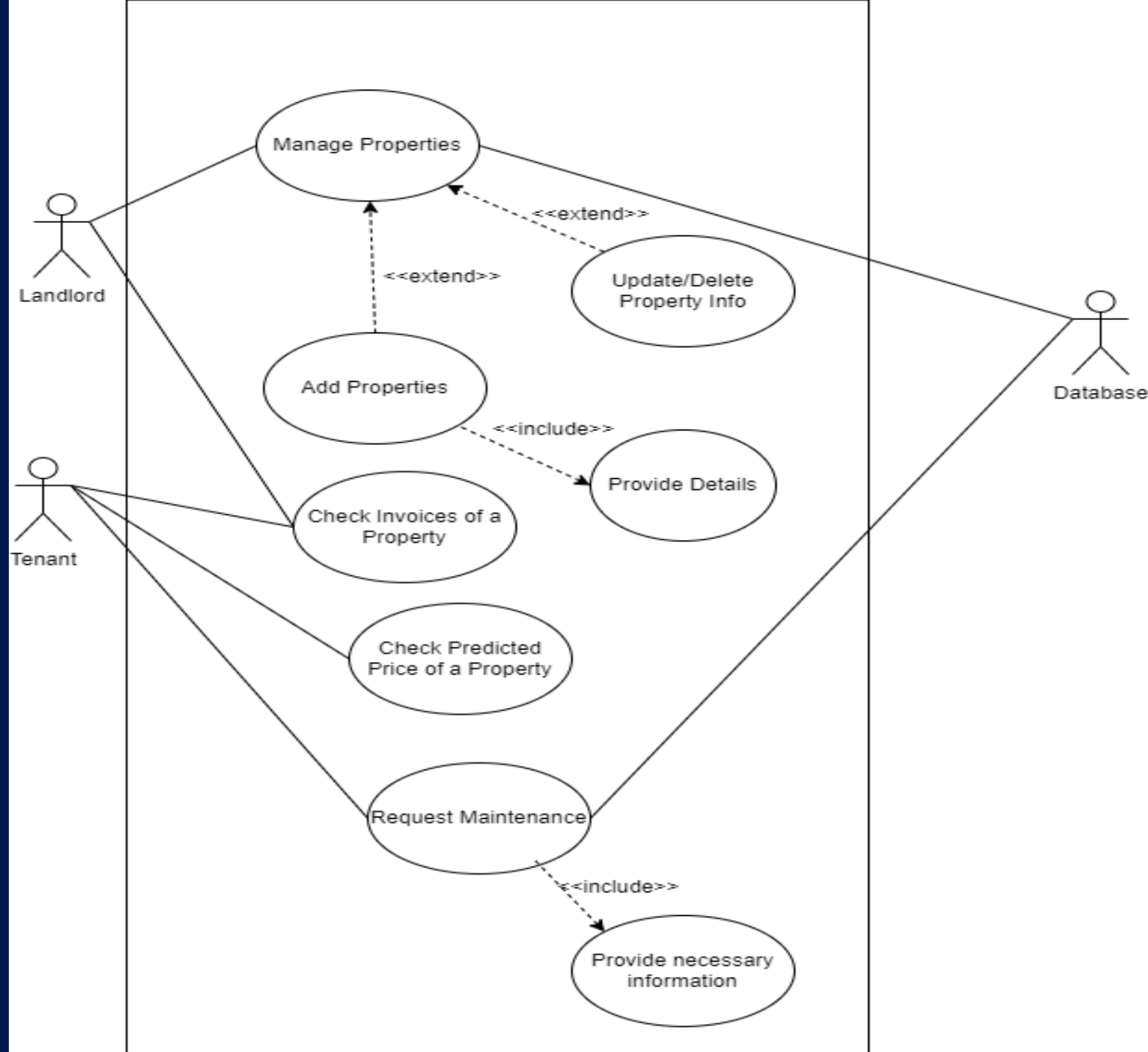
4+1 Architecture View Model



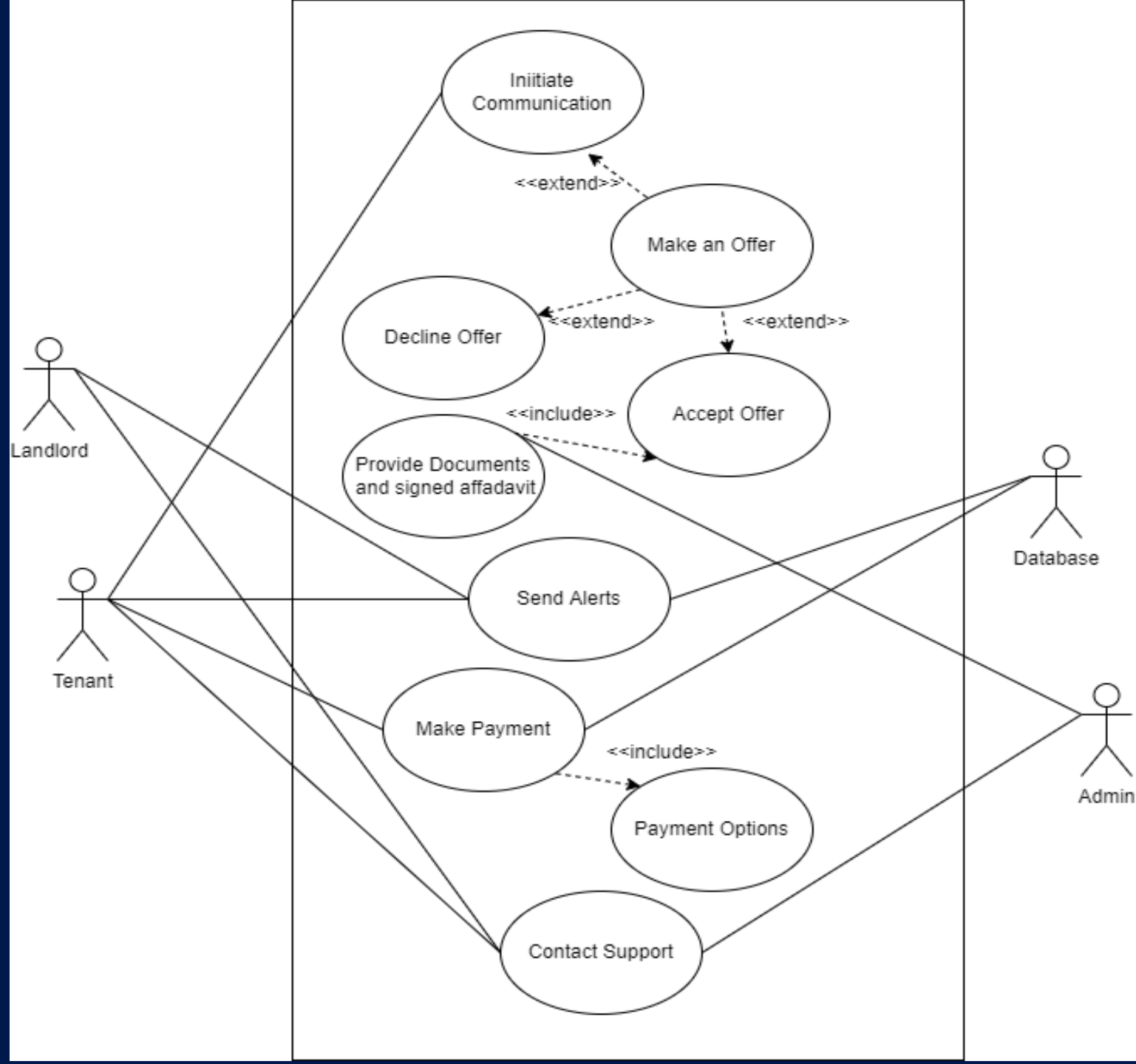
Use Case 1



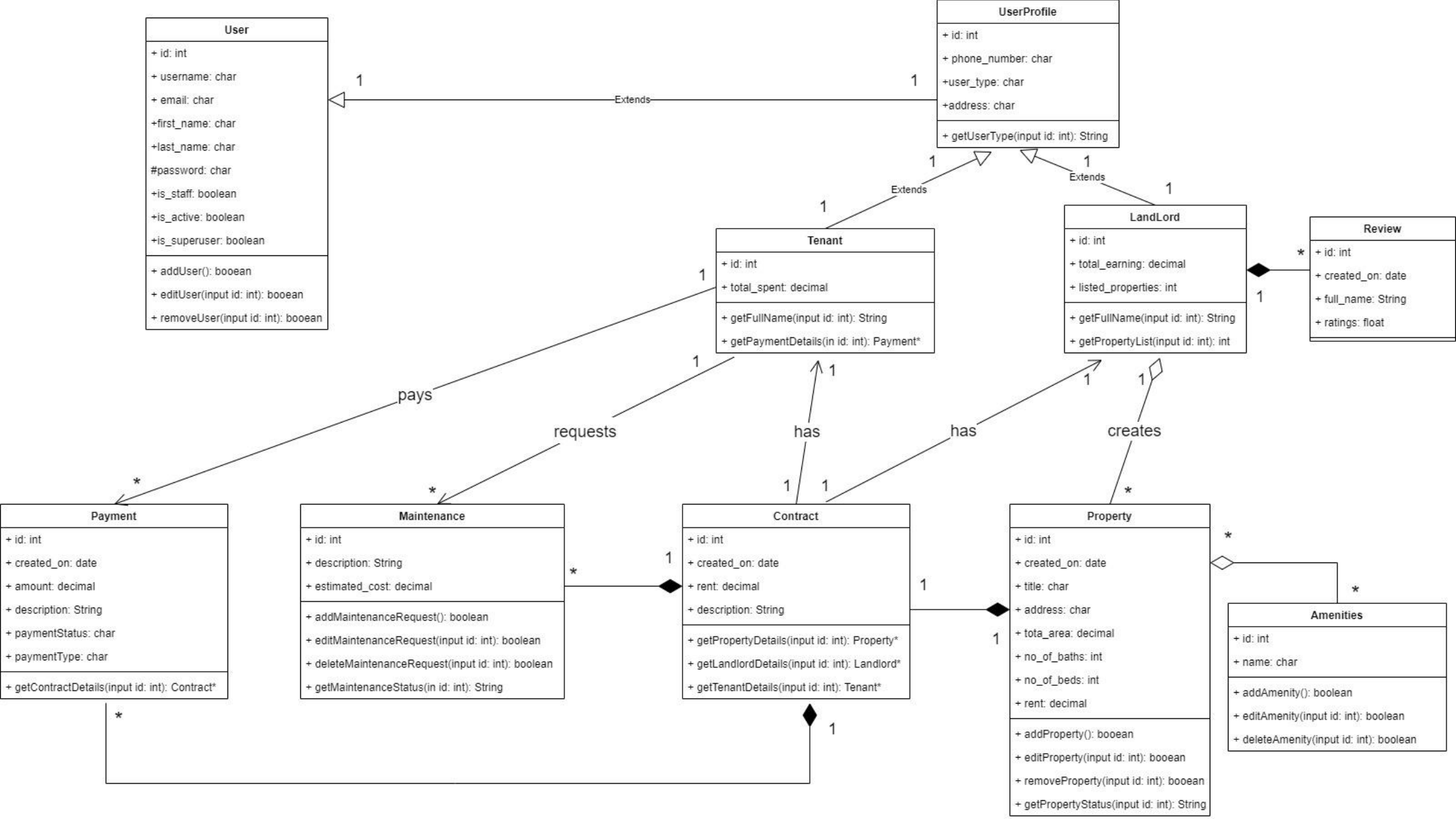
Use Case 2



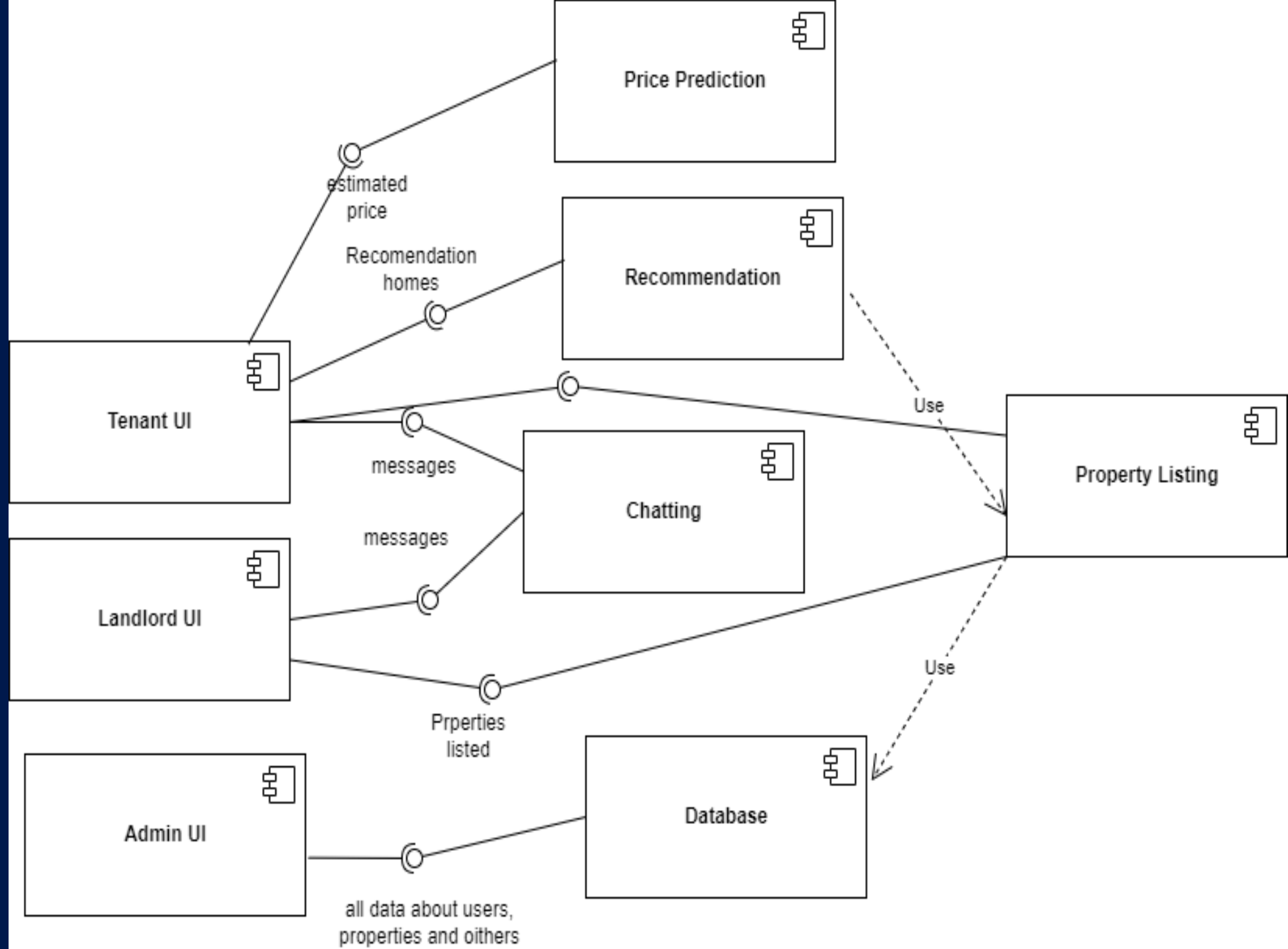
Use Case 3



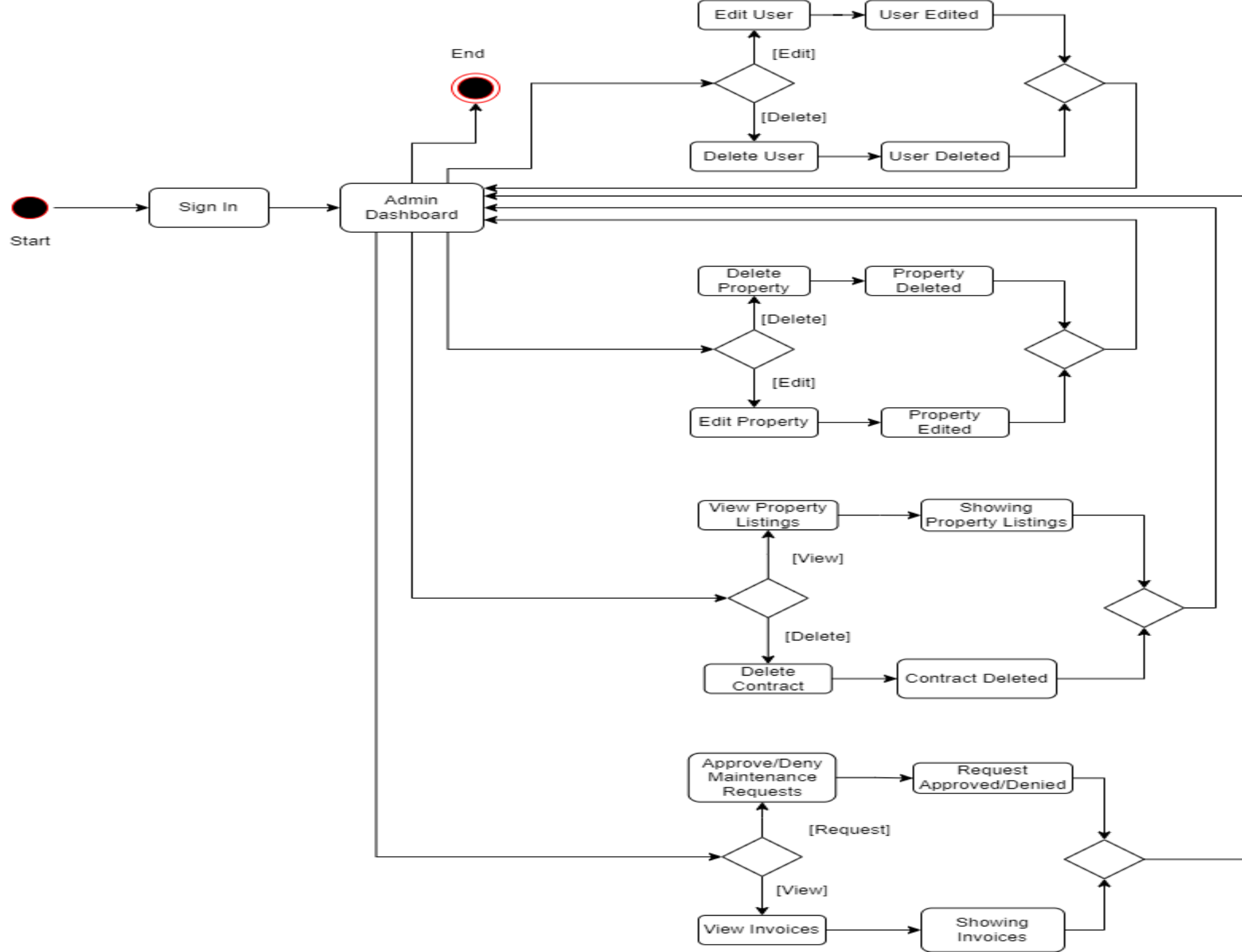
Logical View



Development View

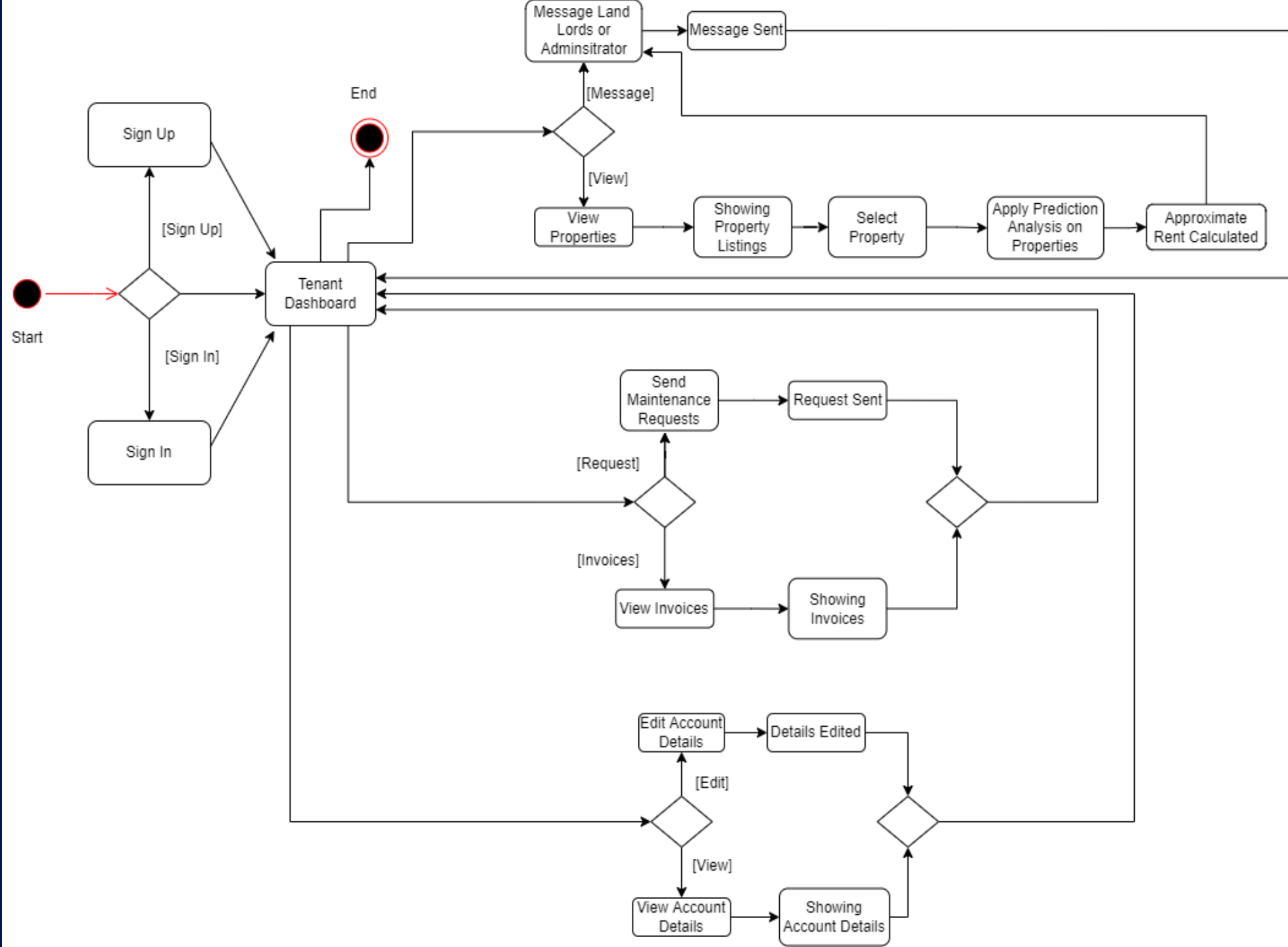


Process view Activity Diagram for Admin



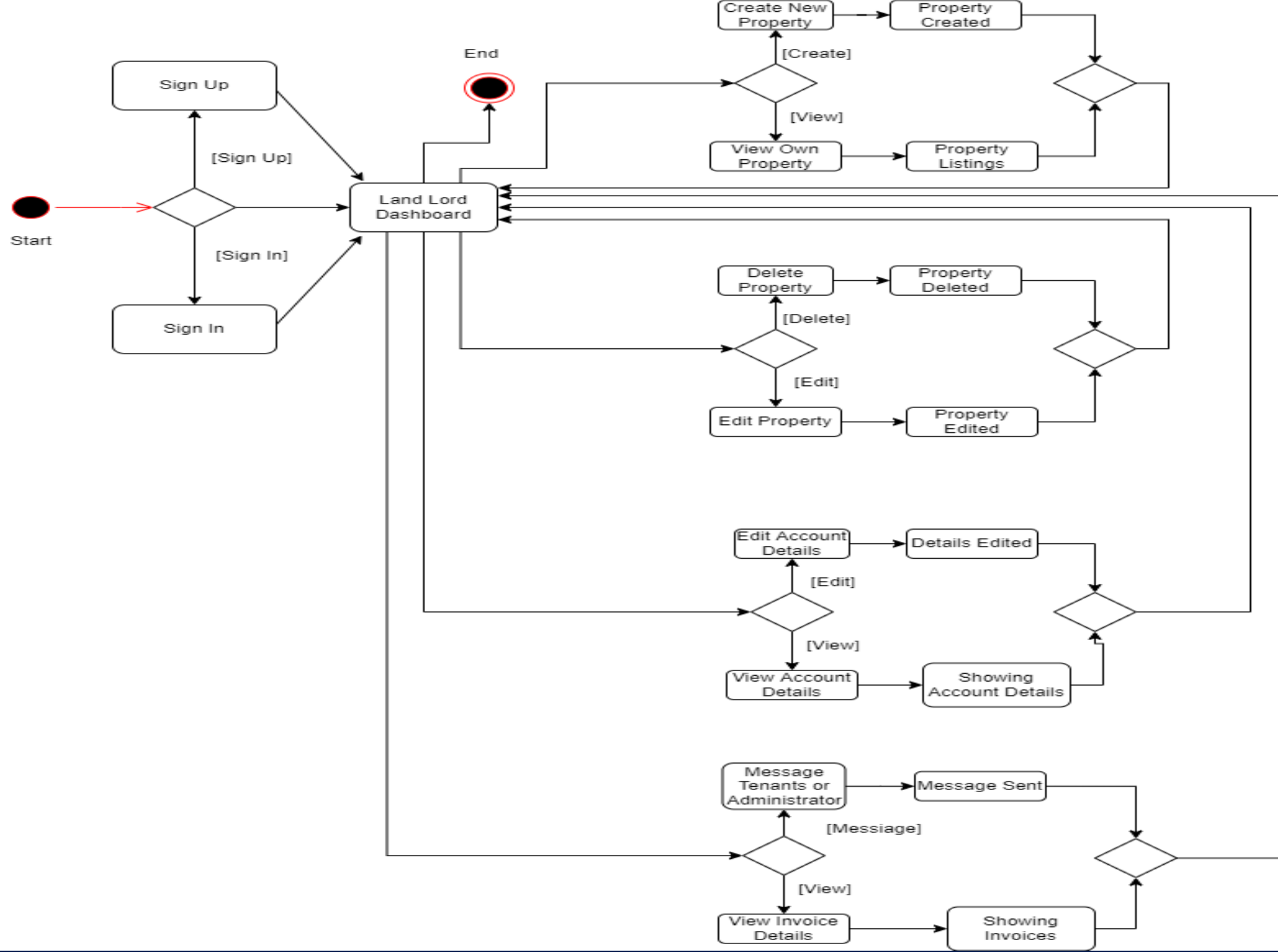
Process view

Activity Diagram for Tenant

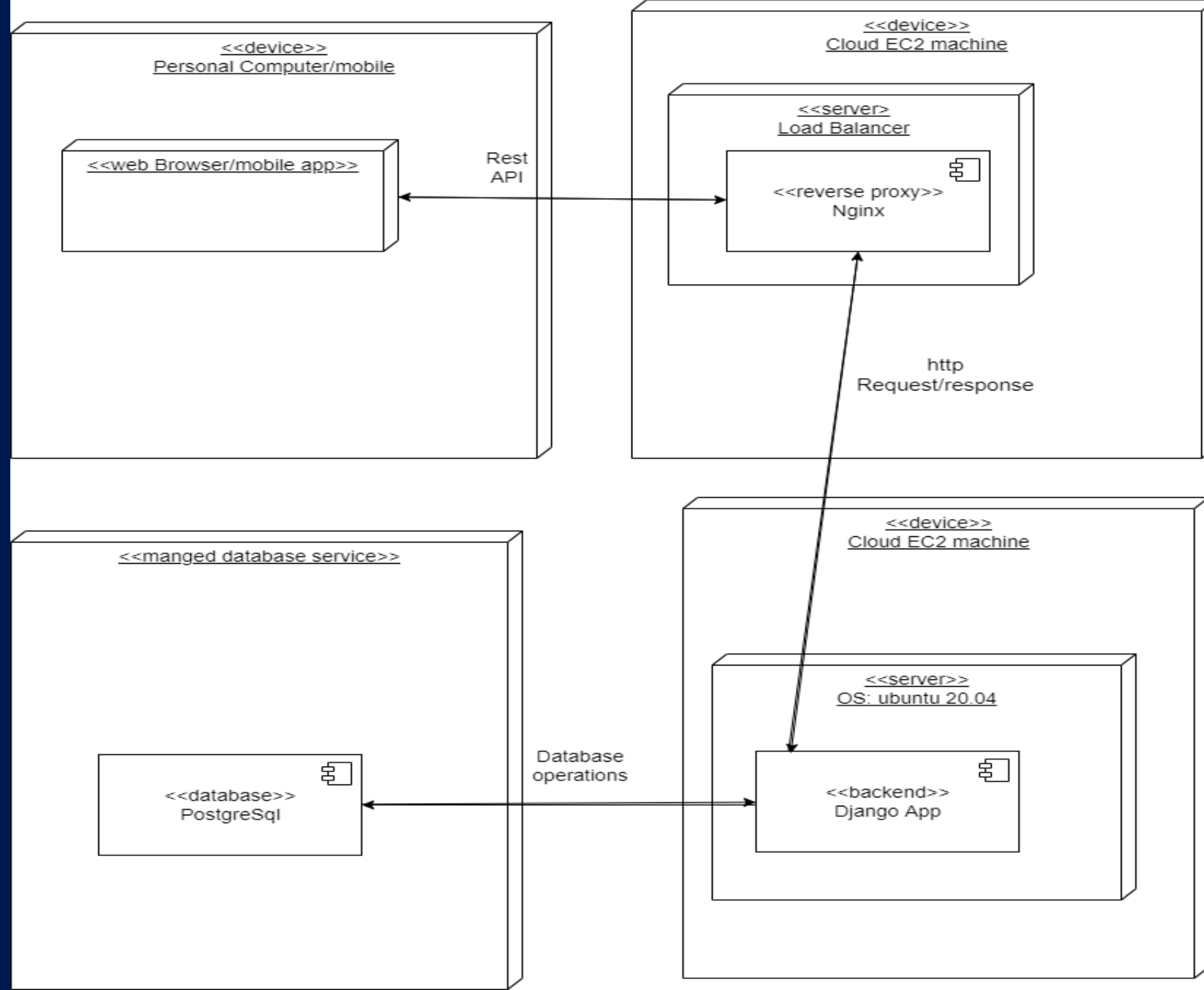


Process view

Activity Diagram for Landlord



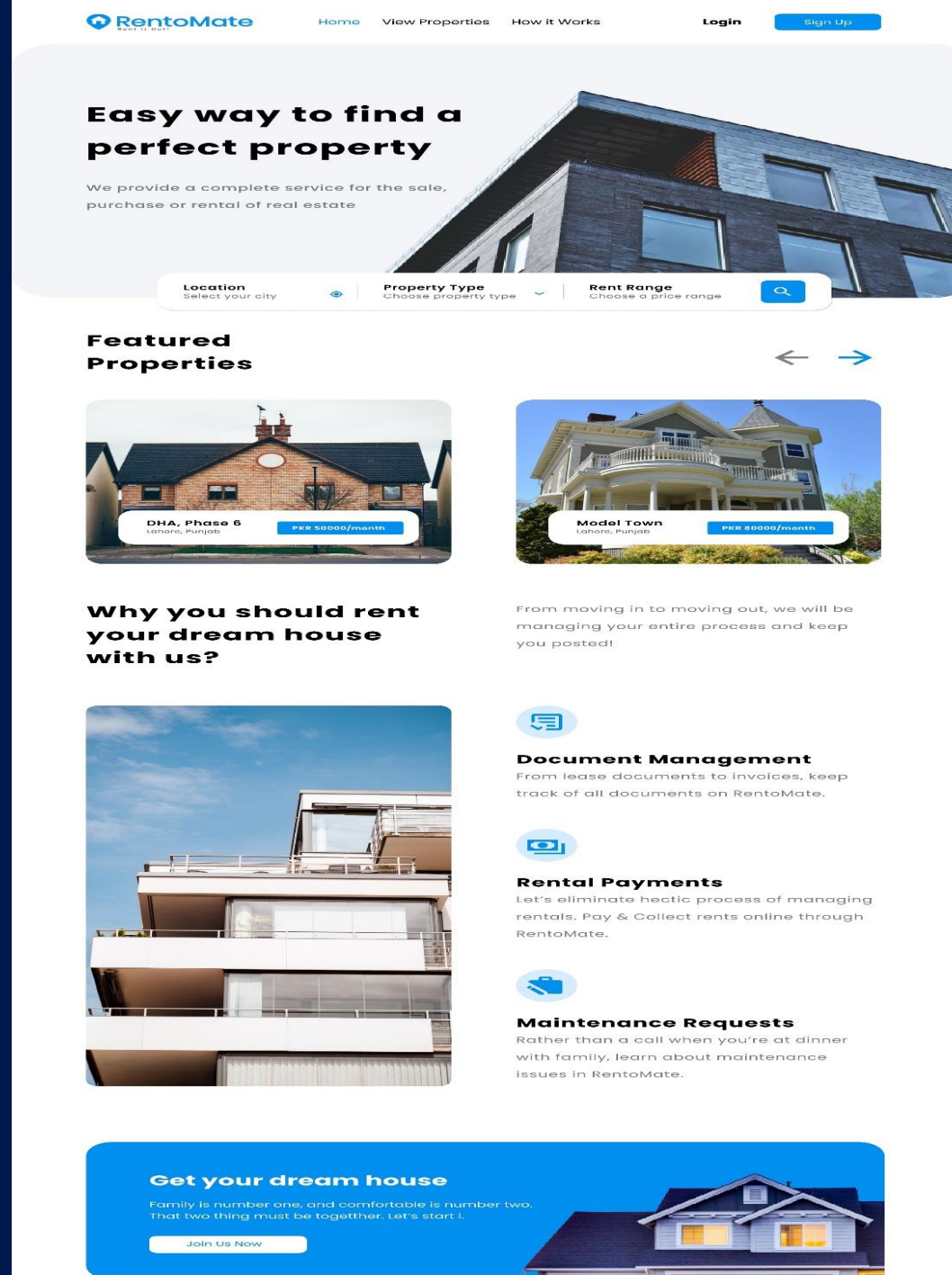
Physical view



User Interface

User Interface

Main Page



User Interface

Property Listing Page

Search Properties...



Property Type

House

Commercial

Apartment

Plot

Bedrooms

1

2

3

4+

Bathrooms

1

2

3

4+

Price Range

PKR 12K-15k, 5k

Furnishing

Furnished

UnFurnished

Amenities

- ☒ Water Supply
- ☐ Shared Accomodation
- ☒ Supply of Gas
- ☒ Garage

Reset

Apply



PKR 25000/month

Recommended

Block C, Model Town Lahore, Punjab

3 Beds

4 Baths

07 Marlas

Look no further as we have listed the best Bungalow just for you! This could be your chance to buy such a precious real estate asset. Don't miss out on these 7 Marla units.



Block F, Johar Town Lahore, Punjab

5 Beds 4 Baths 06 Marlas

PKR 21000/mo



Cavalry Ground, Gulberg Lahore, Punjab

4 Beds 4 Baths 10 Marlas

PKR 30000/mo



Phase 1, Ghazi Road Lahore, Punjab

6 Beds 7 Baths 15 Marlas

PKR 55000/mo



Gulshan-e-Ravi Lahore, Punjab

4 Beds 5 Baths 08 Marlas

PKR 27000/mo

User Interface

Landlord Dashboard page



Usama Nawaz

LandLord



Dashboard



My Profile



Submit New Property



Messages



Contact Support



Sign Out

12

Listed Properties



05

Already On Rent



\$5K

Total Earned



Property

Posted On

Status



Block D, Model Town

Lahore, Punjab

PKR 25000/mo

10 October, 2021

2 Days Ago

Rented

[View Detail](#)



Ghazi Road

Lahore, Punjab

PKR 19000/mo

1 October, 2021

12 Days Ago

Active

[View Detail](#)



Nishtar Colony

Lahore, Punjab

PKR 40000/mo

1 September, 2021

27 Days Ago

Active

[View Detail](#)



Wateen Society

Lahore, Punjab

PKR 37000/mo

1 August, 2021

19 Days Ago

Rented

[View Detail](#)



DHA, Phase V

Lahore, Punjab

PKR 80000/mo

1 August, 2021

19 Days Ago

Active

[View Detail](#)

User Interface

Register page



Register

A few clicks away from renting your dream house

First Name

Last Name

Email

Role

Renter



Password

Confirm Password

☐ I agree to all Terms, Privacy Policy & Fees

Create Account

Already, have an Account? [Log in](#)

User Interface

Log In page



Login

Landlords grow rich in their sleep without working, risking or economizing

Username

Password

☒ Remember me

[Reset Password?](#)

Log in to your account

Don't have an account yet? [Join RentoMate Now](#)

An aerial night view of a city skyline, featuring a prominent skyscraper on the left. The city is illuminated with lights, and the sky is dark. The text "Thank You Any Questions?" is overlaid in the center.

Thank You
Any Questions?