



# Easy-PG

HOME RENTAL NETWORK

Easy-PG

Easy-PG

Group ID - 21

Meshwa Patel – 3046

Vruddhi Sanghvi – 3059

Twesha Satia - 3060

# ORGANIZATION PROFILE



- Praxware Technologies is one of the well-known. It Development, Training & Placement Service provider. It offers variety of services including web and Mobile Development, Corporate Training and Digital Marketing with quality assurance.

# EXISTING SYSTEM

## PROBLEMS OF EXISTING SYSTEM

- With the current system, recording the details of various activities of user is **completely manual** and entails a lot of paper work. Each house has a file that contains the house: number, size, rent per month, expected deposit, occupant and status.
- The existing system only provides **text based interface** which is not as user friendly as Graphical user interface. Since the system is implemented manually, the response is very slow.
- The transactions are **not secure** as papers may get lost or damaged. Hence, there is need of reformation of the system with more advantages and flexibility. The system eliminates most of the limitations of the existing system.
- The organization normal work **time schedule** is from 11-6 p.m therefore the organization give services for some hours of the day only.

# PROPOSED SYSTEM

- Easy-PG is the **Home Rental Network** attempting to provide better rental solutions via design and technology.
- This system will help to **find, book and move** into a rental home of your choice across Gujarat.
- It also provide a platform for landlords to **submit their property** for renting.
- Here the property can be a **room**, a **bed** or an **apartment**.
- Available properties will be listed in proper **grid format** for user convenience.
- The vacant houses can also be **sorted/filtered** and shown according to user requirements.
- Allows tenant to view information of available houses and rooms at their convenient locations.
- User can **review** the property and also can give **feedback** to the system.
- **No brokerage.**
- The landlord can upload room details, pictures, location, rent, etc. and also can provide a detail description of the property and its surroundings.




Beds

Rooms

Houses

vacant

For Rent



Rs.35000/month

Vrundavan Flats


B-10,Vrundavan Flats,near dharnidhar derasar

Twesha Satia

2020-08-06

vacant

For Rent



Rs.15000/month

Shantinath Flats


12,Shantinath Flats

Twesha Satia

2020-08-06

vacant

For Rent



Rs.5000/month

Tulip


C-21 Tulip Citadel,Shreyas Tekra

Vruddhi Sanghvi

2020-08-06

vacant

For Rent



Rs.20000/month

Sujan Apartments


1 Sujan Apartment

Vruddhi Sanghvi

2020-08-06

vacant

For Rent



Rs.8000/month

Indraprasht Flats

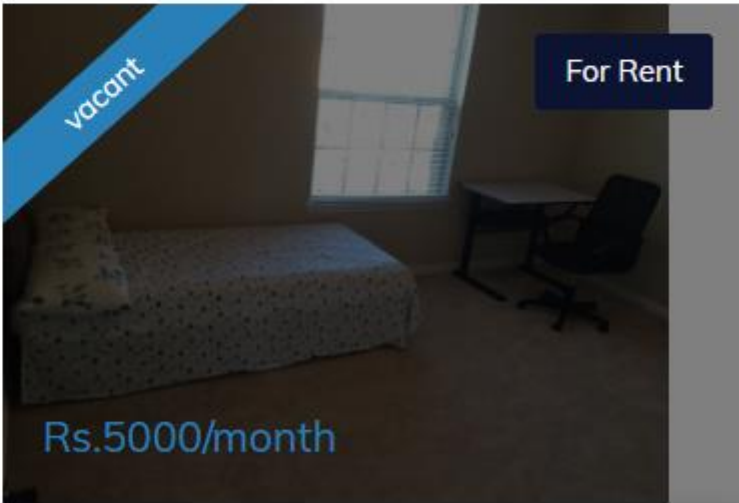
C 502 Indraprasth Flat 2

Jainil Sanghvi

2020-08-06

vacant

For Rent



Rs.5000/month

Sumel Society

A-18 Sumel Society,Ambawadi

Jainil Sanghvi

2020-08-06



# Properties

Show Houses For

☐ Boys ☐ Girls

Furnishing Type

☐ Fully ☐ Semi ☐ Unfurnished

Monthly Rent

☐ Below 5k ☐ 5k-15k ☐ 15k-25k ☐ Above 25k

Cities


Select City

Submit

Reset

- Beds
- Rooms
- Houses

vacant



For Rent

Rs.35000/month

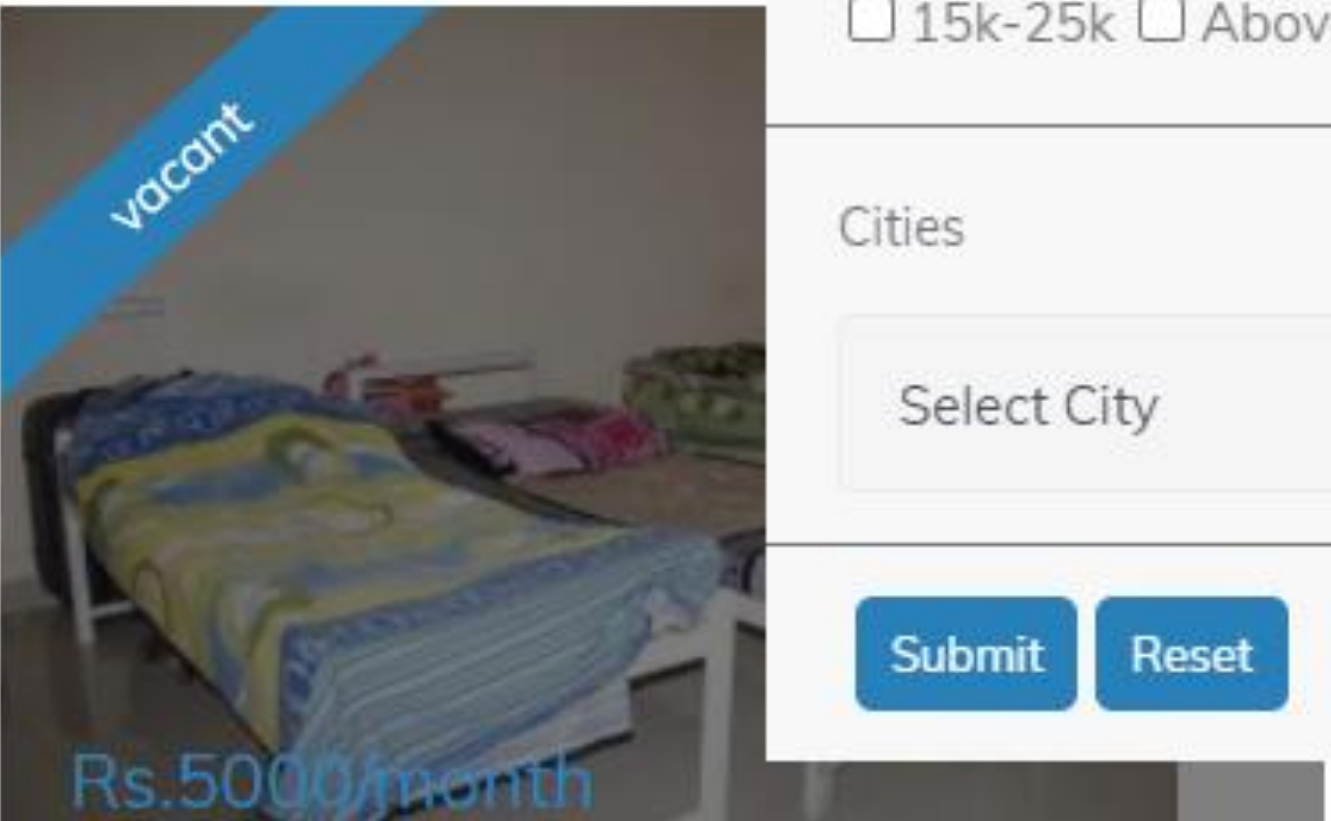
vacant



For Rent

Rs.15000/month

vacant



For Rent

Rs.5000/month



Book Now

Book Free Visit



Rs. 35000 Per Month

Fixed Amount

Vrundavan Flats

B-10,Vrundavan Flats,near dharnidhar derasar

4	2	2
Beds	Rooms	Baths

Description

It has 24 hours security. The Society has amenities like gym,pool,play area,lift,etc. The house is spacy and comfortable. The house has dining space,sofa,AC,T.V,water purifier,washing machine.It is freshly painted and has wooden flooring.It is located near shopping and dining.It has facility of daily cleaning and regular water

Property Summary

Payment Way:	Cash	Status:	vacant
Property Type:	appartment	Current Owner :	Twesha Satia
Only For:	girls	Furnished:	furnished

Landlord Details



Twesha Satia

8690211859

tweshasatia@gmail.com

Property Location

Address

B-10,Vrundavan Flats,near dharnidhar derasar

State: Gujarat

City: Ahmedabad

Area: Vasna

Pincode :380007



Submit Property

### Basic Information

Property Title

Property Status

Select Status

Property Types

Select Type

Price

0

Only For

Select Type

Furnished

Select Type

Bed Rooms

0

Beds

0

BathRooms

0

### Description

Description

Write Details...

### Property Location

Address

State

Choose State

City

Choose City

Area

Choose Area

Zip Code

0

### Add Photos

Choose Files No file chosen

Submit



# PROPOSED SYSTEM

- Landlord can add **more than 1 property**.
- The landlord can view, update and add property from his module.
- Landlord can **accept or decline** the request of booking and book free visit accordingly.
- Renting system will be more transparent after using this system.
- This system also verifies the renters and landlords by using **OTP system**.
- Allows admin to manage tenants and landlords information.
- Admin can view the listed properties, free visit request, reviews, feedbacks, etc.
- Admin can easily **increase or decrease the scope** of the system in terms of location.
- Also admin can **reply to system feedbacks** and ask for suggestions.

# OBJECTIVES



- Main objective of this project is to **reduce manual management**.
- It provides user to view vacant places to stay and landlords to give their flats or rooms to PGs.
- This system is **customized** and **user-friendly** for tenant.
- Application development will be done according to requirement of both tenants and landlords.
- Increase **authentication** and saves time and money.
- Anyone can operate the system at any time **(24/7)**, thus the system will be more convenient than manual system.

# PROCESS MODEL

- A software process model is a **simplified representation of a software process.**
- The process model used in the current system is **iterative development model.**

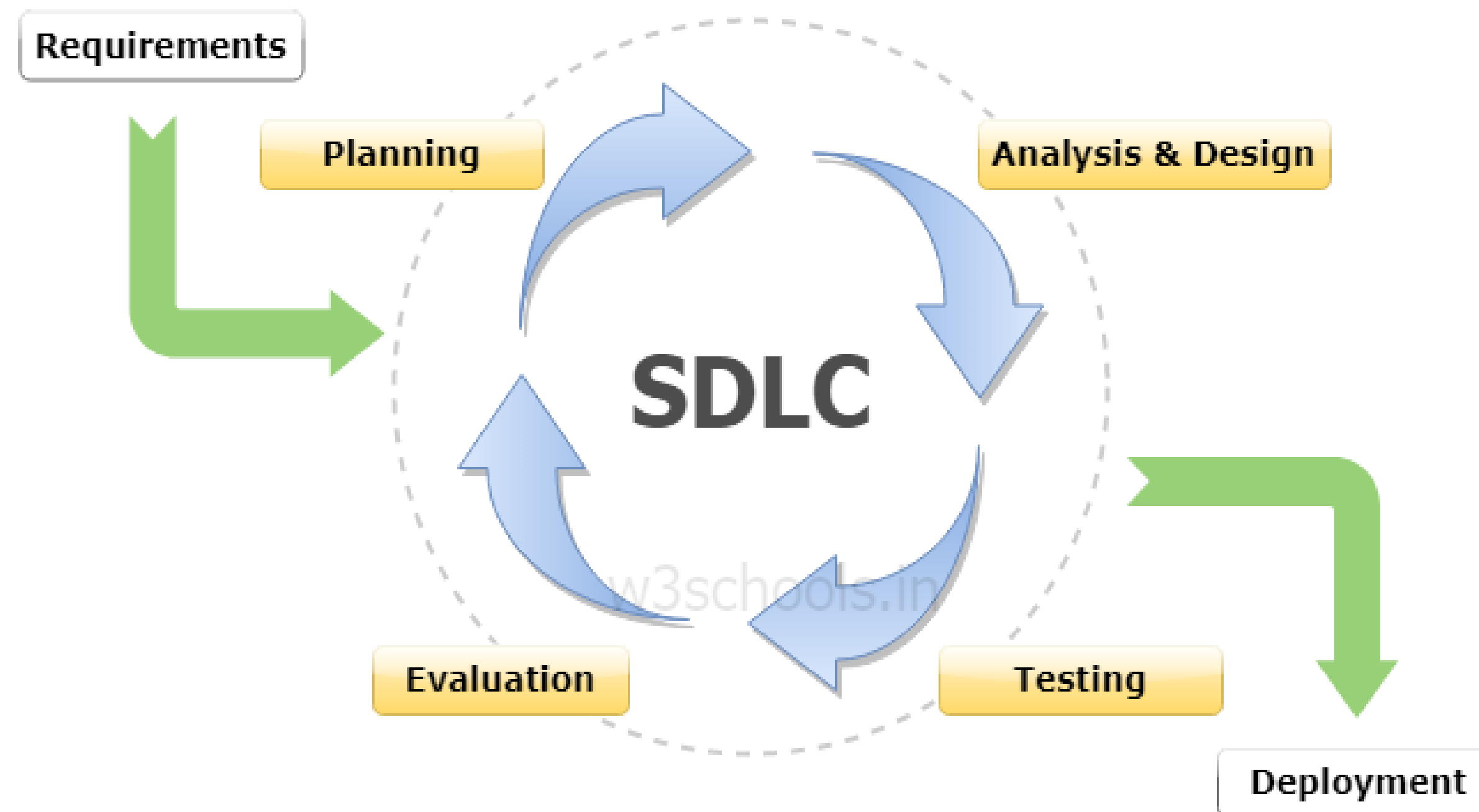


Fig: SDLC Iterative Model



# HARDWARE & SOFTWARE REQUIREMENTS

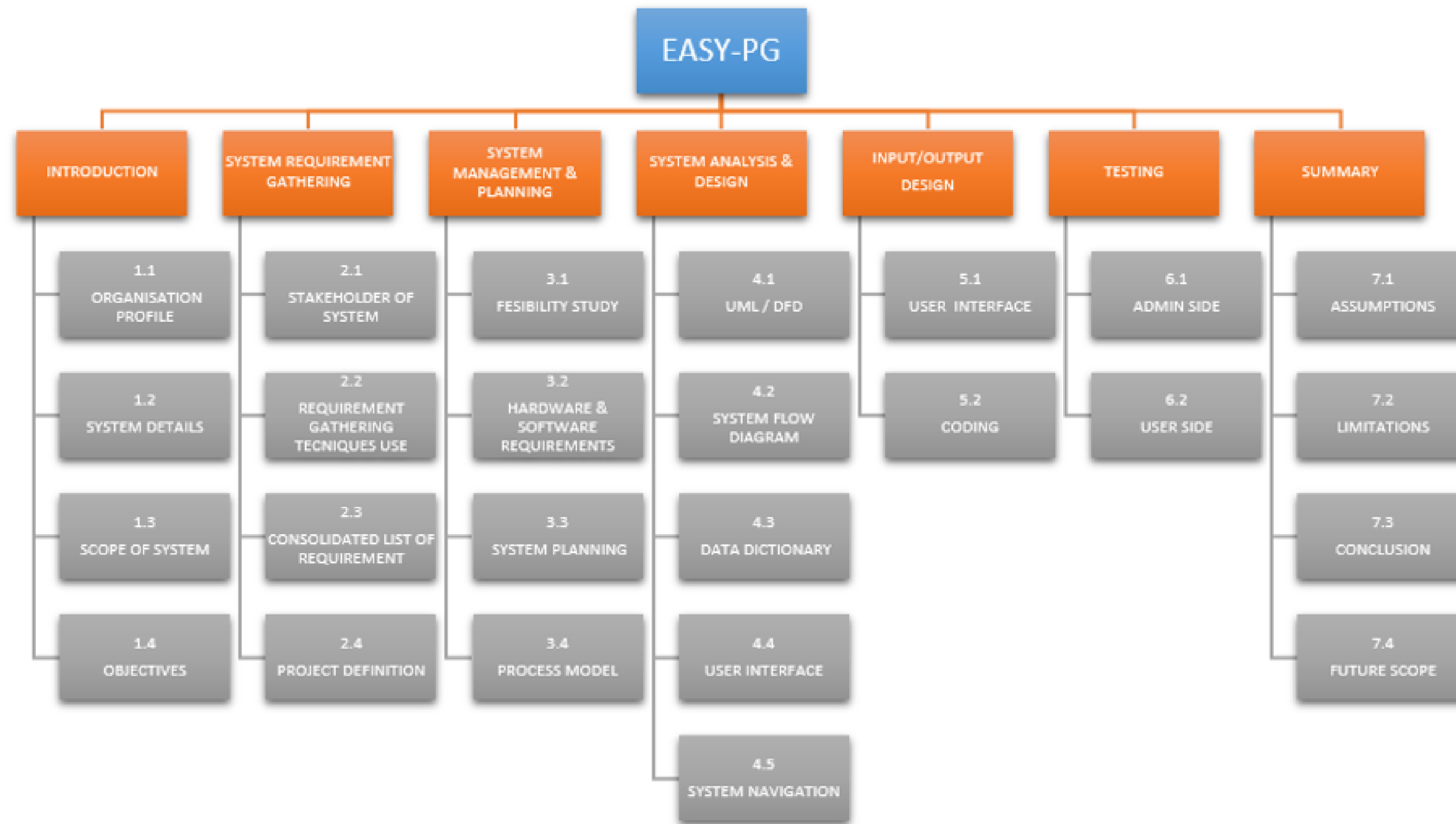
## Software Requirements

Platform	JAVA
Frontend	JSP, HTML, CSS, Bootstrap, JQuery
Backend	Java, Servlet, Ajax
Database	My SQL
Web server	Apache Tomcat 9
Framework	Hibernate , Spring

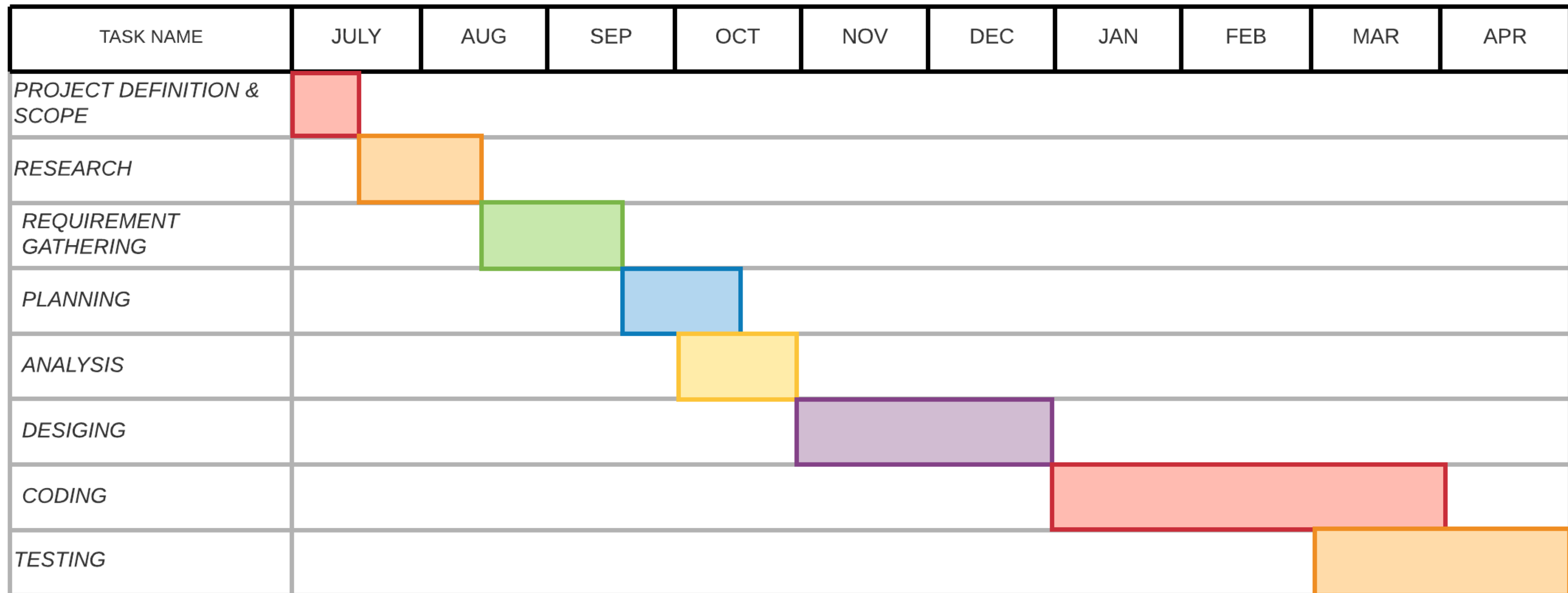
## Hardware Requirements

Processor	Dual core processor or above
Hard Disk	50 GB or above
RAM	256 MB or above

# WORK BREAKDOWN STRUCTURE



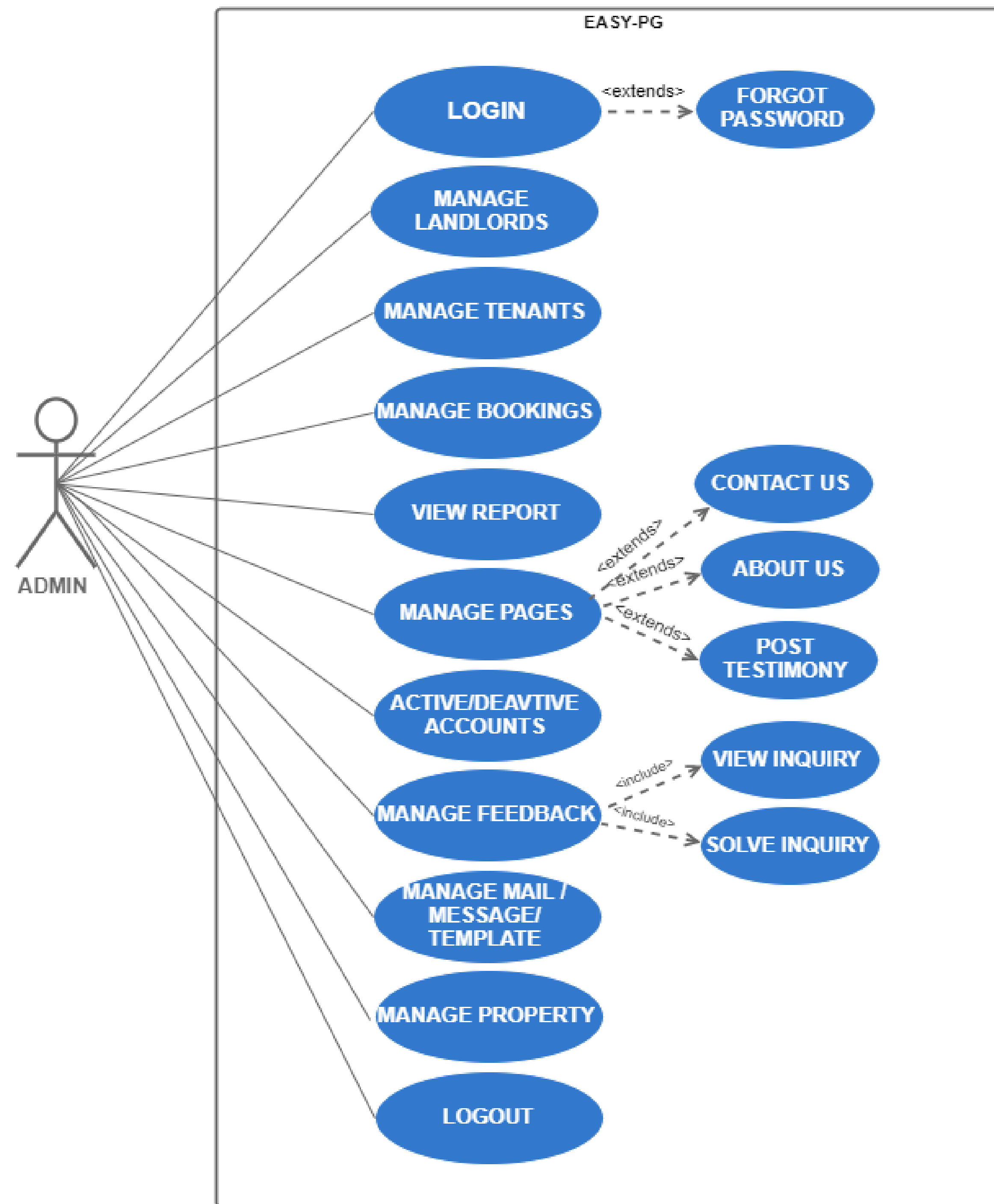
# GANTT CHART

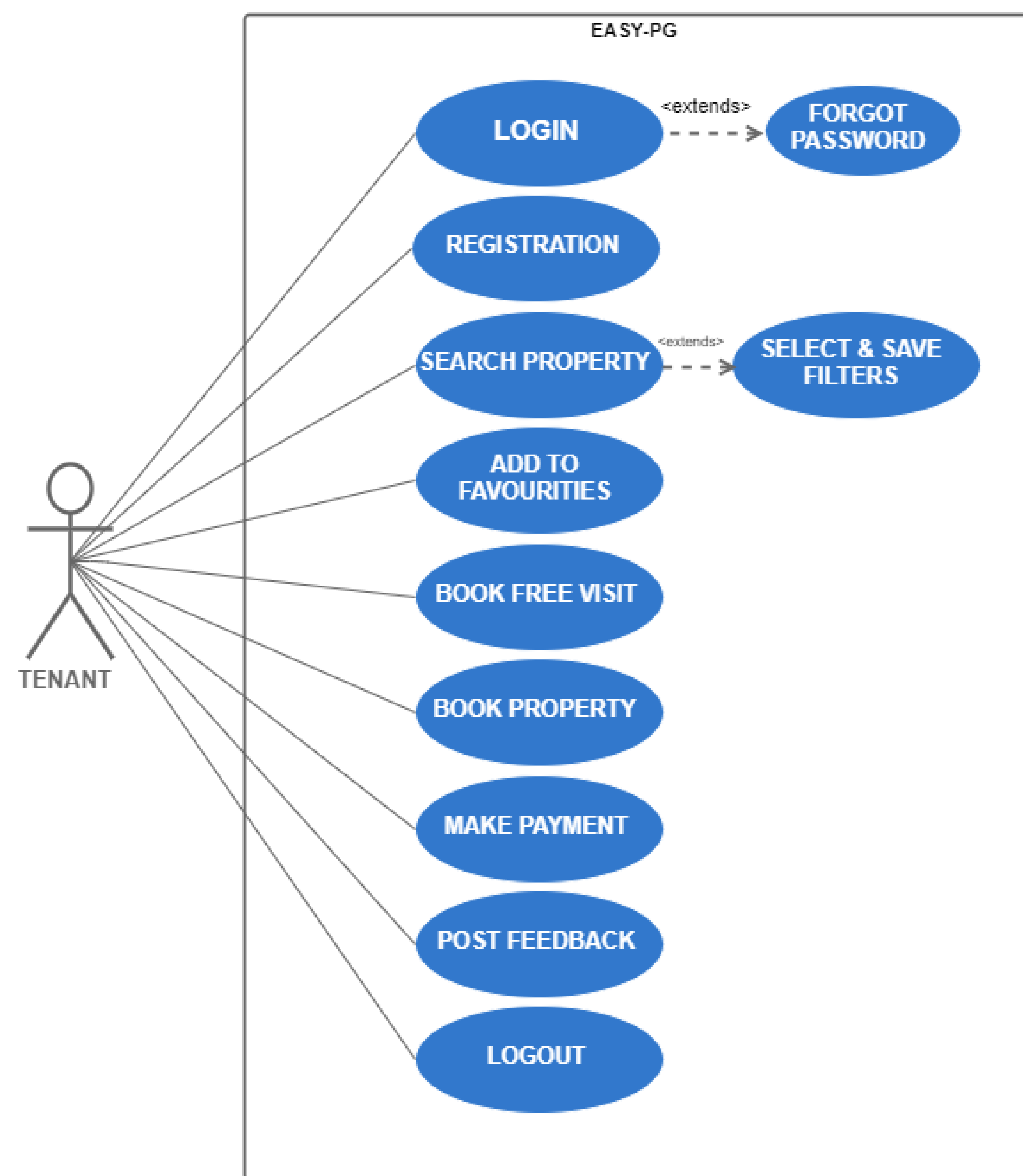
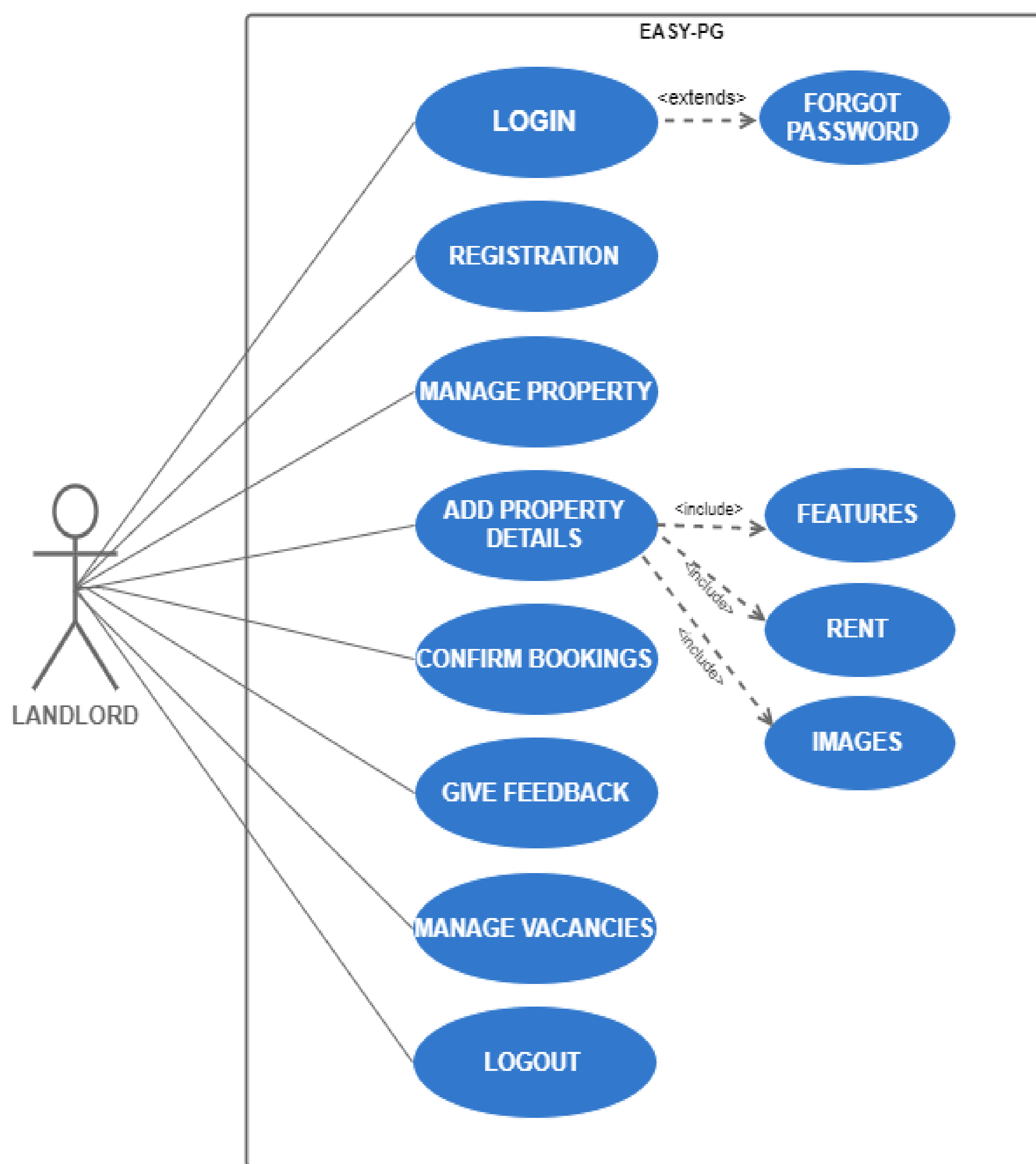




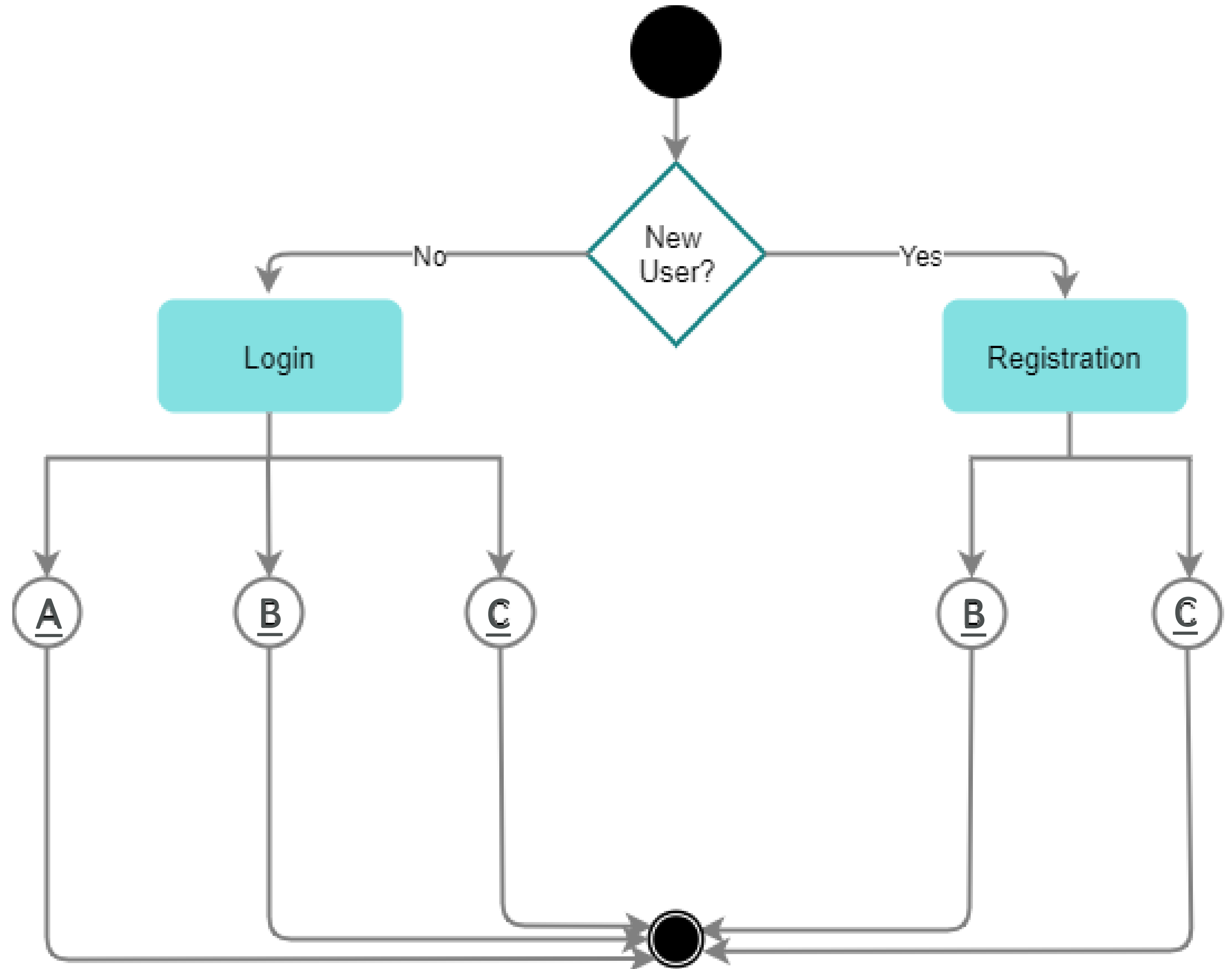
# UML DIAGRAMS

## Usecase Diagrams



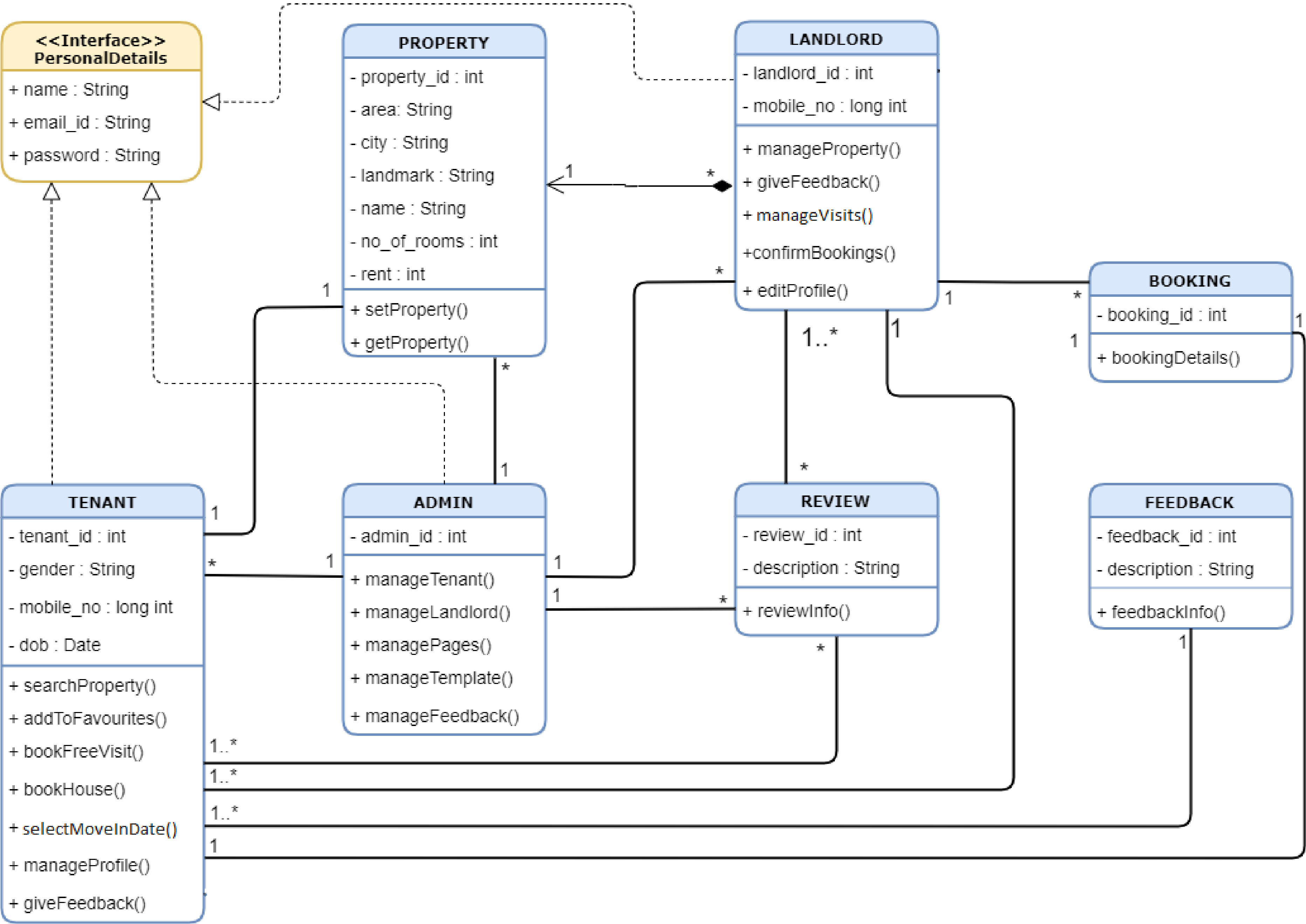


## Activity Diagrams





Class Diagram



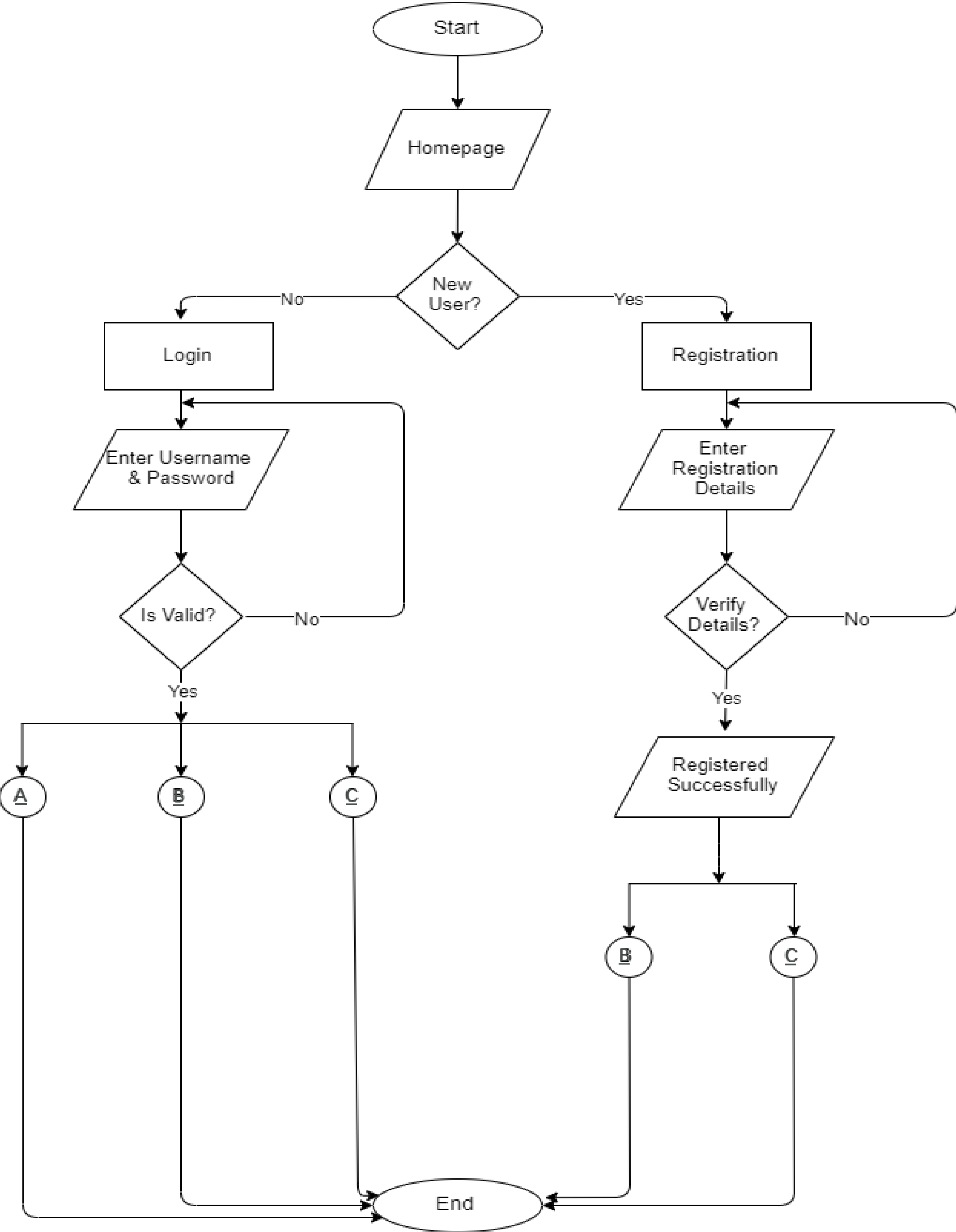
# Sequence Diagrams

1. Admin Sequence Diagram

2. Landlord Sequence Diagram

3. Tenant Sequence Diagram

# System Flow Diagrams





# DATA DICTIONARY

User\_Master

Field name	Datatype	Size	Constraint	Description
userId	int	11	primary key	User Id
email	varchar	45	not null	Email of user
fname	varchar	45	not null	First name of user
lname	varchar	45	not null	Last name of user
password	varchar	45	not null	Password of user
profilePicture	varchar	45	null	Picture of user
mobileNo	int	13	not null	Mobile number of user
gender	varchar	10	not null	Gender of user
dob	date	-	not null	Birth date of user
address	varchar	200	not null	Address of user
city	varchar	30	not null	City of User
area	varchar	30	not null	Area of User
pincode	int	10	not null	Pincode of location
areald	int	11	foreign key	Id of Area
otp	varchar	20	not null	One time password
createdBy	big int	5	not null	Id of user who created
modifiedBy	big int	5	not null	Id of user who last modified
createdDate	date	-	not null	Created date
modifiedDate	date	-	not null	Last modified date
isActive	tiny int	1	not null	Active flag
isDeleted	tiny int	1	not null	Deleted flag
isLandlord	Tiny int	1	null	Landlord flag

Admin\_Master

Field name	Datatype	Size	Constraint	Description
adminId	big int	5	primary key	Id of admin
email	varchar	45	not null	Email of user
fname	varchar	45	not null	First name
lname	varchar	45	not null	Last name
password	varchar	45	not null	Password of admin
profilePicture	varchar	100	not null	Path of image
createdBy	big int	5	not null	Id of user who created
modifiedBy	big int	5	not null	Id of user who last modified
createdDate	date	-	not null	Created date
modifiedDate	date	-	not null	Last modified date
isActive	tiny int	1	not null	Active flag
isDeleted	tiny int	1	not null	Deleted flag

Area\_Info

Field name	Datatype	Size	Constraint	Description
areaId	int	11	primary key	Id of area
areaName	varchar	20	not null	Name of area
cityId	int	11	foreign key	Id of city
createdBy	big int	5	not null	Id of user who created
modifiedBy	big int	5	not null	Id of user who last modified
createdDate	date	-	not null	Created date
modifiedDate	date	-	not null	Last modified date
isActive	tiny int	1	not null	Active flag
isDeleted	tiny int	1	not null	Deleted flag

City\_Info

Field name	Datatype	Size	Constraint	Description
cityId	int	11	primary key	Id of city
cityName	varchar	20	not null	Name of city
stateId	int	11	foreign key	Id of state
createdBy	big int	5	not null	Id of user who created
modifiedBy	big int	5	not null	Id of user who last modified
createdDate	date	-	not null	Created date
modifiedDate	date	-	not null	Last modified date
isActive	tiny int	1	not null	Active flag
isDeleted	tiny int	1	not null	Deleted flag

# Property

Field name	Datatype	Size	Constraint	Description
propertyId	int	11	primary key	Id of property
userId	int	11	foreign key	Id of user
areaId	int	11	foreign key	Id of area
pincode	big int	10	not null	Pincode of location
title	varchar	45	not null	Title of property
type	varchar	20	not null	Appts/rooms/beds
rooms	int	11	not null	Number of rooms
rent	int	11	not null	Rent of the room
propertyDesc	varchar	200	not null	Description of property
address	varchar	100	not null	Address of Property
documentPicture	varchar	45	not null	Proper documents of house
status	varchar	45	not null	Vacancy of houses
onlyFor	varchar	45	not null	Property available for
baths	int	10	not null	Number of bathroom
beds	int	10	not null	Number of beds
createdDate	date	-	not null	Created date
modifiedDate	date	-	not null	Last modified date
isActive	tiny int	1	not null	Active flag
isDeleted	tiny int	1	not null	Deleted flag



Book Free Visit

Field name	Datatype	Size	Constraint	Description
visitId	int	11	primary key	Id of free visit
userId	int	11	foreign key	Id of user
propertyId	int	11	foreign key	Id of property
visitTime	date & time	-	not null	Allotted and provided time for visit
Status	varchar	45	Not null	Status of request
Lname	varchar	45	Not null	Landlord name
Pname	Varchar	45	Not null	Property name
Tname	Varchar	45	Not null	Tenant name
Temail	Varchar	45	not null	Tenant email
lemail	Varchar	45	not null	Landlord email

Booking

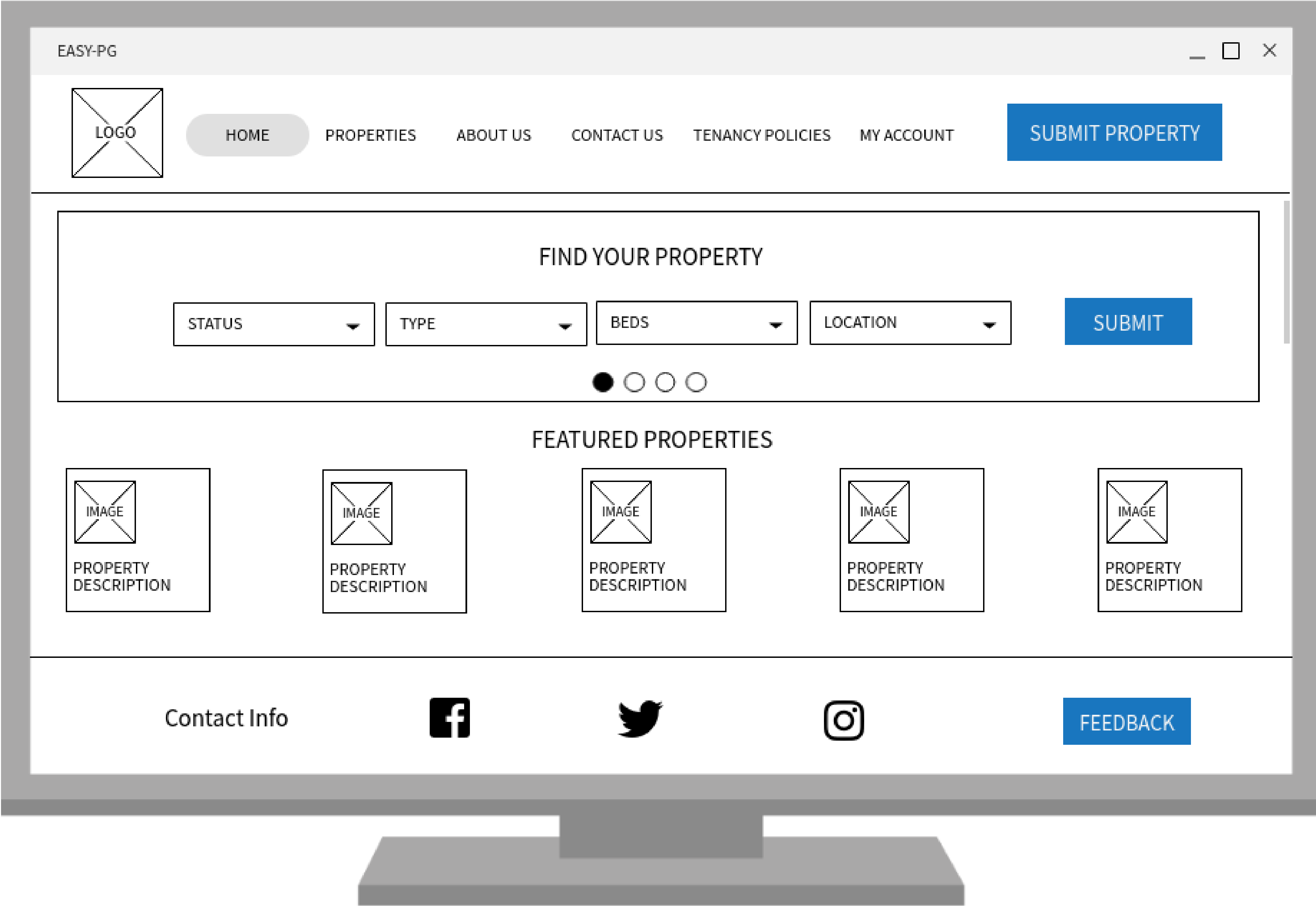
Field name	Datatype	Size	Constraint	Description
bookingId	int	11	primary key	Id of booking
userId	int	11	foreign key	Id of user
propertyId	int	11	foreign key	Id of property
bookingDate	date & time	-	not null	Date of booking
Status	varchar	20	not null	Status of booking
Lemail	Varchar	45	not null	Landlord email
Temail	Varchar	45	not null	Tenant email
Tname	Varchar	45	Allows null	Tenant name
Lname	Varchar	45	Allows null	Landlord name
pname	varchar	45	Allows null	Property name
moveInDate	date & time	-	not null	Date of move in

Feedback

Field name	Datatype	Size	Constraint	Description
feedbackId	int	3	primary key	Id of feedback
Subject	varchar	20	allows null	Subject of feedback
feedbackDesc	varchar	100	allows null	Feedback of user
feedbackDate	date & time	-	allows null	Feedback time
Email	varchar	45	not null	Email of User
name	varchar	45	not null	Name of User
isDeleted	tiny int	1	allows null	Deleted Flag

Review

Field name	Datatype	Size	Constraint	Description
review_id	int	11	primary key	Id of review
userId	int	11	foreign key	Id of user
propertyId	int	11	foreign key	Id of property
reviewDesc	varchar	50	allows null	Review for system
reviewDate	date	-	null	Review time
isDeleted	Tiny int	1	allows	Deleted flag



# LOGIN

EASY-PG

LOGO

HOME

PROPERTIES

ABOUT US

CONTACT US

TENANCY POLICIES

MY ACCOUNT

SUBMIT PROPERTY

LOG IN

New User? [SIGN UP](#)

EMAIL

Text Box

PASSWORD

Text Box

☐

REMEMBER ME

[FORGOT PASSWORD?](#)

LOGIN

Contact Info







FEEDBACK

# REGISTRATION

EASY-PG

LOGO

HOME

PROPERTIES

ABOUT US

CONTACT US

TENANCY POLICIES

MY ACCOUNT

SUBMIT PROPERTY

REGISTER

PERSONAL DETAILS

NAME

Text Box

MOBILE NO.

Text Box

GENDER

☐ MALE ☐ FEMALE

DOB

12 May 2017

ADDRESS DETAILS

RESIDENTIAL ADDRESS

Text Box

AREA

Text Box

CITY

Select

PINCODE

Text Box

CREATE NEW ACCOUNT

EMAIL

Text Box

PASSWORD

Text Box

CONFIRM PASSWORD

Text Box

RESET

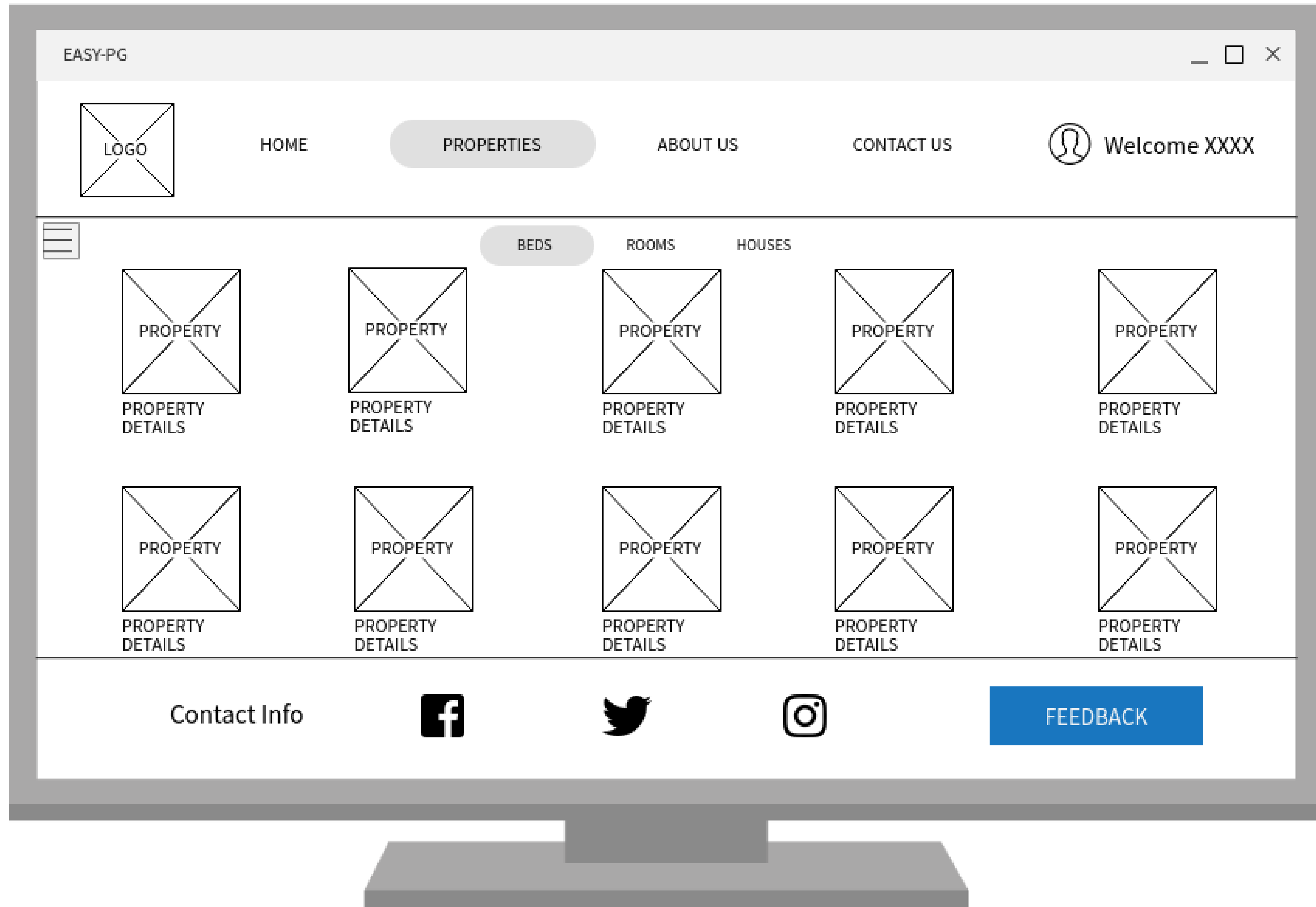
SIGN UP

Contact Info

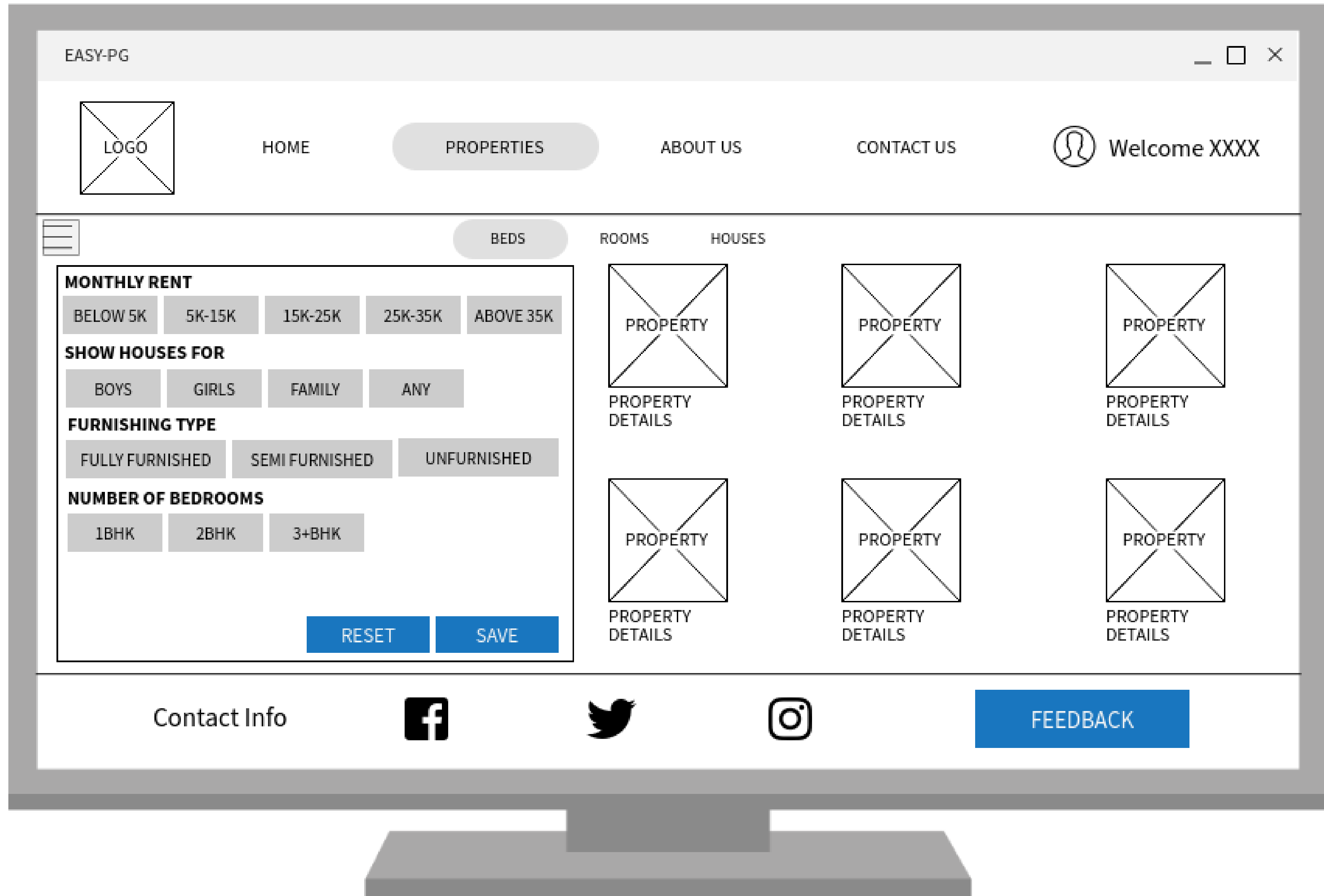
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FEEDBACK





# FILTERS



# LANDLORD

EASY-PG

LOGO

HOME

PROPERTIES

ABOUT US

CONTACT US

TENANCY POLICIES

WELCOME XXXX

SUBMIT PROPERTY

Basic Information

Property Title

Bathrooms

Area

Sq Ft

Price

Bedrooms

Type

Select

Location

Address

City

Select

Area

Pincode

Detailed Information

Upload Documents

Upload Photos

Drop Files Here To Upload

SUBMIT

Features

☐ Free Parking

☐ Air Conditon

☐ Swimming Pool

☐ Laundry Room

☐ Security Alarm

☐ Play Ground

☐ Fitness Room

☐ Store Room

Contact Details

Name

Email

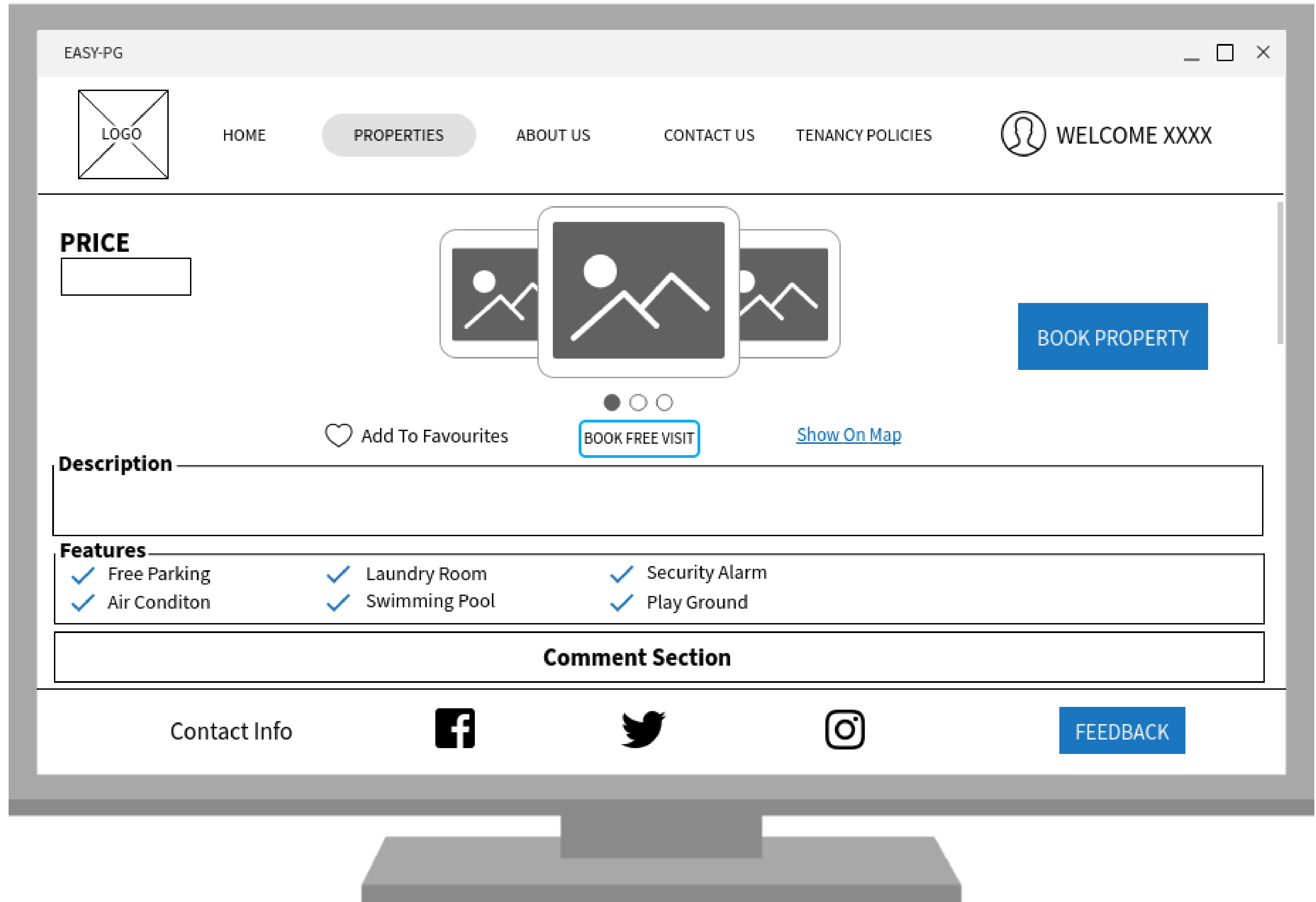
Phone

Contact Info

f

FEEDBACK

# PROPERTY



# FEEDBACK

EASY-PG


LOGO

HOME

PROPERTIES

ABOUT US

CONTACT US

 Welcome XXXX

FEEDBACK

HOW IS YOUR EXPERIENCE WITH EASY-PG?


★☆☆☆☆


SUBJECT


COMMENT

SUBMIT

Contact Info







FEEDBACK

# INPUT/OUTPUT DESIGN



- Admin Side
- User Side



# ASSUMPTIONS, LIMITATIONS & FUTURE SCOPE

## Assumptions

- The user have the basic knowledge about technology.
- The user can understand English language.
- The user have basic knowledge about PG and renting.

## Limitations

- Without Internet facilities, the users can't use the system.
- If the users doesn't have the basic knowledge about technology, then it will be difficult for them to use this system.
- The scope of the system is with in Gujarat only.

## Future Scope

- E-payment facility can be added.
- We will implement this system in IOS and Android (Mobile Application).

# CONCLUSION

- This system will be helpful to the renter by getting information and of all the properties in one single platform.
- Also, the landlord can post their properties and get renters information.
- It will **reduce wastage of time** for the renter who has to visit personally to the properties. These factors will lead to renters comfort and satisfaction.
- Due to **NO BROKERAGE** both the landlord and renter can get direct benefits.
- With the implementation of this project concept of **Digitalization can come to reality.**

## Bibliography

- Software Engineering – A Practitioner's Approach
  - By Roger S. Pressman
- System Analysis and Design
  - By James A. Senn

MOVE TO WHAT MOVES YOU

MOVE TO WHAT MOVES YOU



The background features abstract geometric shapes in various shades of blue and teal. A dark blue triangle is in the top-left corner. A light teal triangle is in the bottom-right corner. A medium teal triangle is in the bottom-right corner, overlapping the light teal one. A light gray triangle is in the top-right corner. A white triangle is in the center-left area, containing the text.

THANK YOU