

A PROJECT REPORT ON



“Online House & Apartment Rental System”

Kamani Science Collage & Prataprai Arts Collage

Developed by

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Bhatti Darshan Girishbhai (Enrollment No. = 3303225421)

Chauhan Jenil Arvindbhai (Enrollment No. = 3303225427)

Under Guidance of

Prof. Dhruvita Savaliya

Year of Submission

Submitted in partial fulfillment of the requirement for the award of the degree of Bachelor of Computer Application (BCA).

2024-25



Saurashtra University – Rajkot



**Kamani Science College
&
Prataprai Arts College**

Vidyavihar, Bhavnagar Road, Amreli-365601



C E R T I F I C A T E

This is to certify that Mr./Miss Bhatti Darshan Girishbhai

Roll. No 5017 Studying in B.C.A. Semester V has completed his/her Project
work satisfactorily during the year 2024-2025.

Signature
Project in Charge

Signature
Head of Department

Signature
Examiner



**Kamani Science College
&
Prataprai Arts College**

Vidyavihar, Bhavnagar Road, Amreli-365601



C E R T I F I C A T E

This is to certify that Mr./Miss Bhatti Prince Maheshbhai

Roll. No 5018 Studying in B.C.A. Semester V has completed his/her Project
work satisfactorily during the year 2024-2025.

Signature
Project in Charge

Signature
Head of Department

Signature
Examiner



**Kamani Science College
&
Prataprai Arts College**

Vidyavihar, Bhavnagar Road, Amreli-365601



C E R T I F I C A T E

This is to certify that Mr./Miss Chauhan Jenil Arvindbhai

Roll. No 5022 Studying in B.C.A. Semester V has completed his/her Project
work satisfactorily during the year 2024-2025.

Signature
Project in Charge

Signature
Head of Department

Signature
Examiner

Preface

The main objective of any computer science student is to get practical knowledge as possible. Being able to have a practical knowledge by developing a project is a lifetime experience. As practical knowledge is important as theoretical knowledge we are thankful of having a project.

Through the development of the project we had a great experience of various strategies that can be applied in development of the project. This project is the stepping stone for our career.

We are pleased to present this project report. Proper case has been taken while organizing the report so that it is easy to comprehend. Also, various software engineering concepts have been implemented.

Acknowledgment

We are student of BCA sem-5 Studying in the Kamani Science College Amreli. We Thanks to the entire person who has given their Support in shaping of the system.

We thank Prof. Dhruvita Savaliya for giving us guidance and co-operation in understanding the system. We also thanks them for their unconditional help in making of this project.

We have great deal of gratitude towards our head of department who encourages in taking up this activity. We thank all faculties and administrative staffs of the institute.

I am also thankful to all those friends who have helped me in this endeavor either of indirectly & especially my family.

Thanks to all!!

Bhatti Prince M.

Bhatti Darshan G.

Chauhan Jenil A.

Abstract

The online Freelance Marketplace is a Web Portal on which freelancers and Employers interact with each other in this platform, an employer usually post a project and many freelancers bid on that project, the most efficient bid. In this way the employer gets his job done and the freelancers earn money.

This project aims to develop a freelance marketplace where not only an employer could post a project for bidding but freelancers could also offers his/her services for buyers.

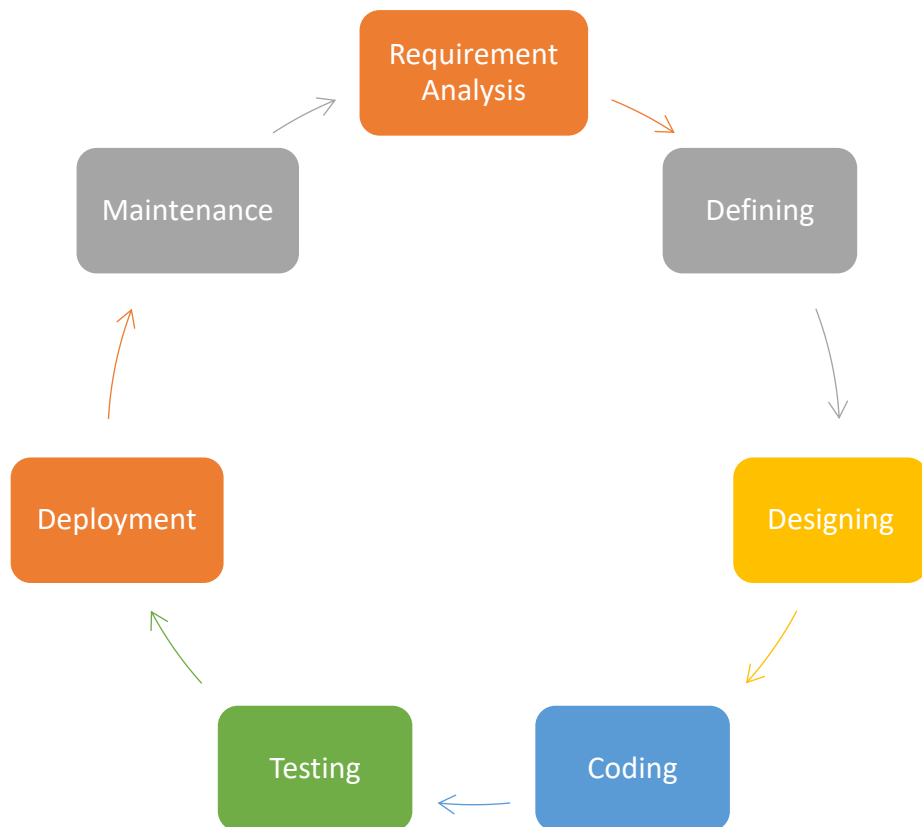
Freelancers and client both can be benefited from this bidding. Client who wish to hire internationally can take advantage of favorable overseas exchange rates , resulting in work being done for 50-90% less than if the project where done in country and also given access to a huge pool of potential work and have the ability to work independently from their homes rather than for a company.

SDLC

Software development life cycle (SDLC) is a structured process that is used to design , develop , and test good-quality software .

SDLC , or software development life cycle , is a methodology that defines the entire procedure of software development step-by-step.

The software development lifecycle (SDLC) outlines several tasks required to build a software application.



INTRODUCTION OF PROJECT

In the rapidly evolving real estate industry, the digital transformation has revolutionized the way properties are rented and managed. Our project, the "Online House & Apartment Rental System," aims to bridge the gap between property owners and potential renters by offering an integrated platform for renting various types of properties, including houses and apartments.

In this project people can book their favourite house & apartments after a few steps. This system has two modules namely Admin and User. Admin can also add the property details for house & apartment. User needs to register and then login just by using credentials.

Developed using PHP and MySQL, this project not only showcases advanced web development techniques but also emphasizes user experience, security, and efficiency. The system is designed to be scalable, ensuring it can handle multiple users and properties simultaneously, making it suitable for both small-scale property owners and large rental agencies.

Key features of this systems is User-Friendly Interface, Comprehensive Property Listings, Owner Management Dashboard and Secure Booking System.

Requirement Gathering

Q-1: What types of properties will be listed?

- Ans: House and apartments.

Q-2: What information should be included in each property listing?

- Ans: Location, price, size (sq ft), number of bedrooms, number of bathrooms, description, availability date and photos.

Q-3: What amenities should be available for search functionality?

- Ans: Pool, Gym, Parking space, Furnished, Balcony, etc.

Q-4: What is the target audience for the project?

- Ans: Students, professionals, families, etc.

Q-5: How will search functionality work?

- Ans: Location , price range , property type.

Q-6: What is the monthly rent for different types of properties?

- Ans: Monthly rent starts from 4000rs and higher rent as properties.

Q-7 What information will be required for property listings?

-Ans: Photos , description , pricing , amenities.

Q-8: What are the key features you want to include?

-Ans: Property listings , Search functionality , booking and payment processing , user-profiles.

Q-9: What information will be required for property listings?

-Ans: photos , description , pricing , amenities.

Q-10: Should users be able to schedule property viewings online?

-Ans: Yes , through a calendar booking system

Q-11:How will search functionality work?

-Ans: Location , price range , property type.

Q-12:What are the key features you want to include?

-Ans: Property listing , search functionality , booking and payment processing , user-profiles.

PROJECT PROFILE

- **Project Name** : Online House & Apartment Rental System
- **Developed By** : Bhatti Prince ,
Bhatti Darshan ,
Chauhan Jenil .
- **Front-end Tool** : PHP , HTML , CSS
- **Back-end Tool** : MySQL
- **Operating System** : Microsoft Windows 10
- **Computing System** : i5 , RAM-4GB
- **Project Details** : In this rental system, people can Choose their favorite House and people can book it after seeing all the facilities of their favorite house.
- **Completion Time** : 3 Months
- **Guided by** : Prof . Dhruvita Savaliya

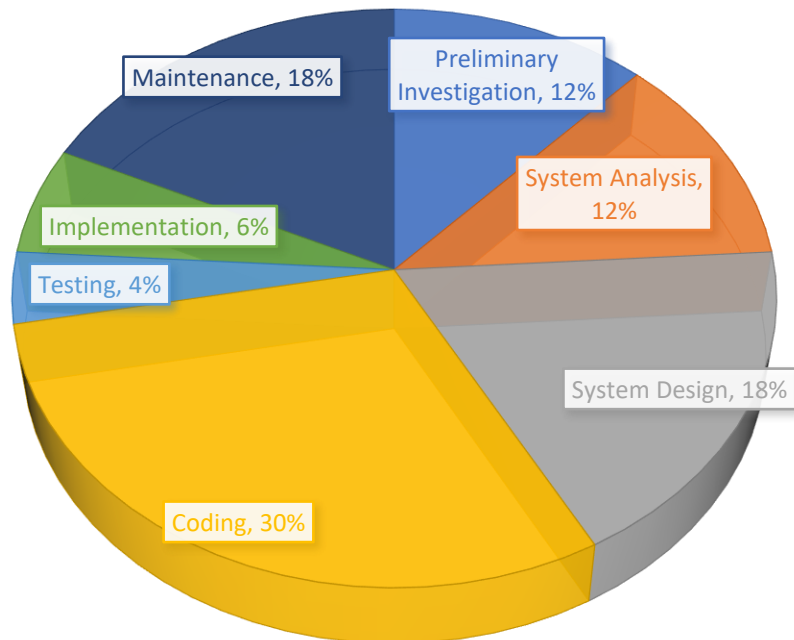
HARDWARE REQUIREMENT

- ❖ 4 GB Of RAM
- ❖ Multimedia keyboard And Mouse
- ❖ 1.0+ GHz Processor
- ❖ Monitor
- ❖ Printer

SOFTWARE REQUIREMENT

- ❖ **Operating system** : Microsoft windows 10 & window11
- ❖ **Front End Tools** : PHP , JavaScript , CSS ,HTML
- ❖ **Back End Tools** : PHP MySQL
- ❖ **Documentation Tool** : Microsoft word
- ❖ **Browser Specification** : Google Chrome

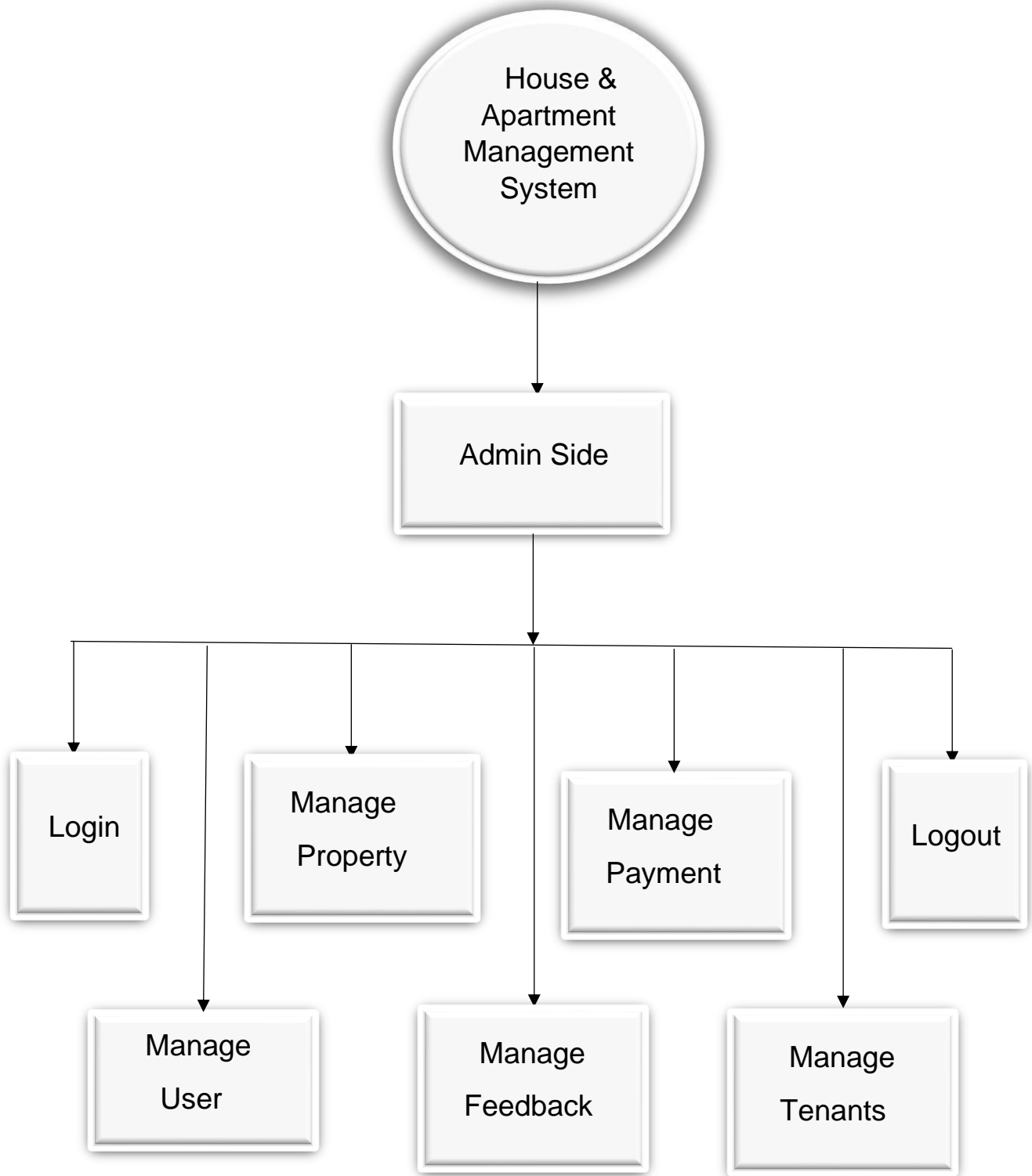
Time Line Chart



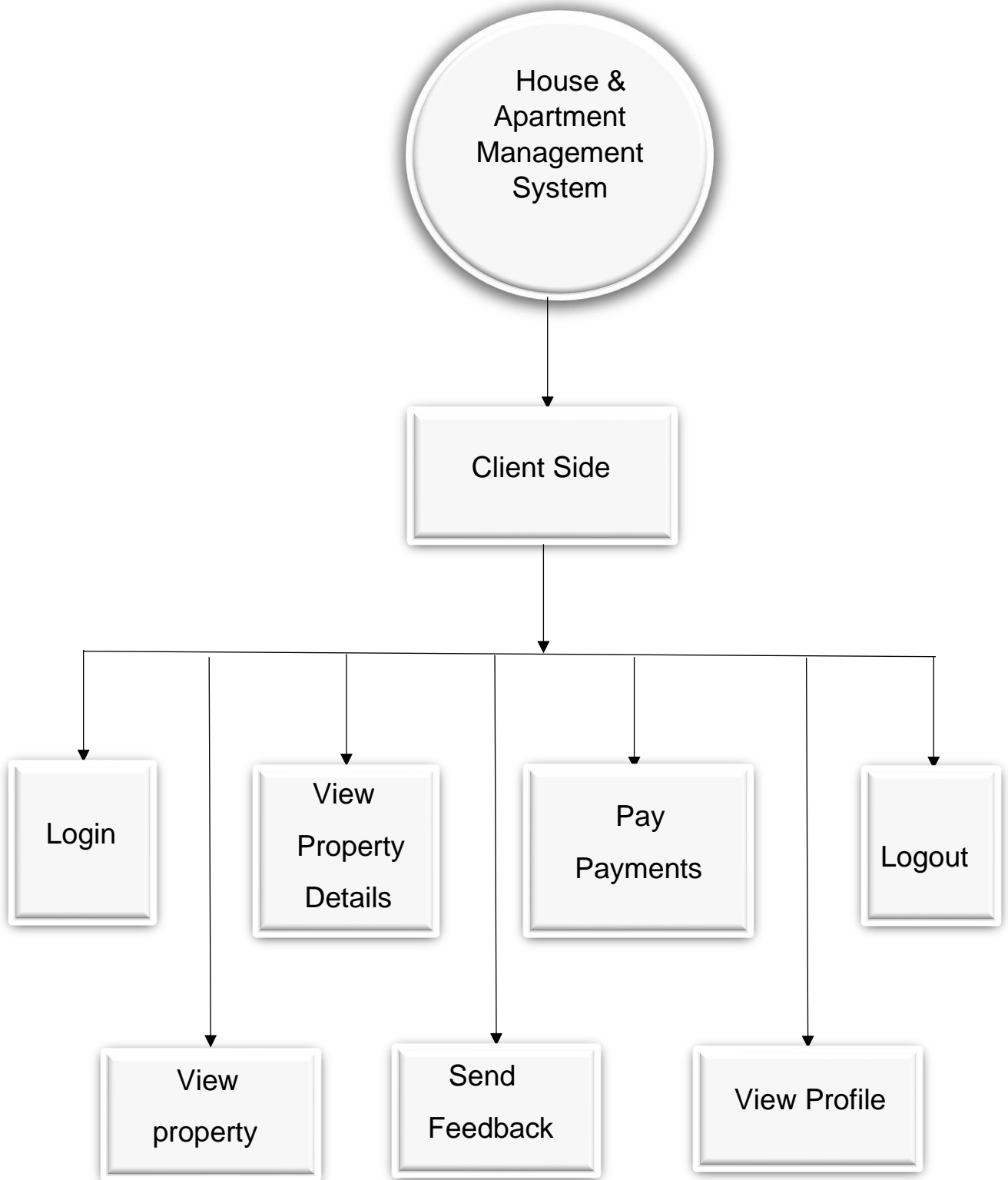
Preliminary Investigation	—————>	10 Days
System Analysis	—————>	10 Days
System Design	—————>	15 Days
Coding	—————>	28 Days
Testing	—————>	05 Days
Implementation	—————>	07 Days
Maintenance	—————>	15 Days

Project Page Structure

❖ Admin Side :



❖ User Side :



Data Dictionary

The data Dictionary is a set of table. MySQL uses it to maintain information about this own database.

➤ **Database Name** : project_db

Tables :

1.Admin :

This table is used to store users information.

Field	Type	Size	Attributes
a_id	Int	30	-
a_username	Varchar	255	-
a_password	Varchar	255	-

2.Registration :

This table is used to store user registration information.

Field	Type	Size	Attributes
id	Int	30	Primary key
username	Varchar	255	-
password	Varchar	255	-
email	Varchar	255	-

3.Property :

This table is used to store property information.

Field	Type	Size	Attributes
id	Int	30	Primary key
name	Varchar	255	-
description	Text	-	-
address	Varchar	255	-
property_type	Enum	-	-
price	Int	-	-
bedrooms	Int	-	-
bathrooms	Int	-	-
area	Float	-	-
availability	Enum	-	-
image_1	Varchar	255	-
image_2	Varchar	255	-
image_3	Varchar	255	-
image_4	varchar	255	-

4.Tenants :

This table is used to store tenants information.

Field	Type	Size	Attributes
tenant_id	Int	30	Primary key
user_id	Int	-	Foreign key
property_id	Int	-	Foreign key
date_from	Date	-	-
date_end	Date	-	-
firstname	Varchar	255	-
lastname	varchar	255	-

5.Wishlist :

This table is used to favorite property details.

Field	Type	Size	Attributes
wishlist_id	Int	30	Primary key
user_id	Int	-	Foreign key
property_id	Int	-	Foreign key
date_added	date	-	Current timestamp

6.Payment :

This table is used to store payments information.

Field	Type	Size	Attributes
payment_id	Int	30	Primary key
tenant_id	Int	-	Foreign key
t_amount	Int	30	-
payment_date	Date	-	-
card_number	Int	-	-
email	varchar	255	-

7.BookedProperties:

Field	Type	Size	Attributes
booking_id	int	30	Primary key
tenant_id	int	-	Foreign key
property_id	int	-	Foreign key
booking_date	date	-	-
rent_start_date	date	-	-
rent_end_date	date	-	-
rent_amount	int	-	-

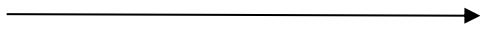
8.Contact_us :

This table is used to store contact information.

Field	Type	Size	Attributes
tenant_id	Int	30	Primary key
user_id	Int	-	Foreign key
name	varchar	255	-
email	Varchar	255	-
subject	Varchar	255	-
message	Text	-	-
contact_date	date	-	-

Data Flow Diagram

The DFD gives brief idea on how the designed system is working. It also suggests to us the type of users who using this system and the process involved in the system.



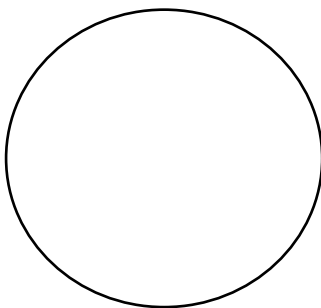
Represent Data Flow



Represent a Entity

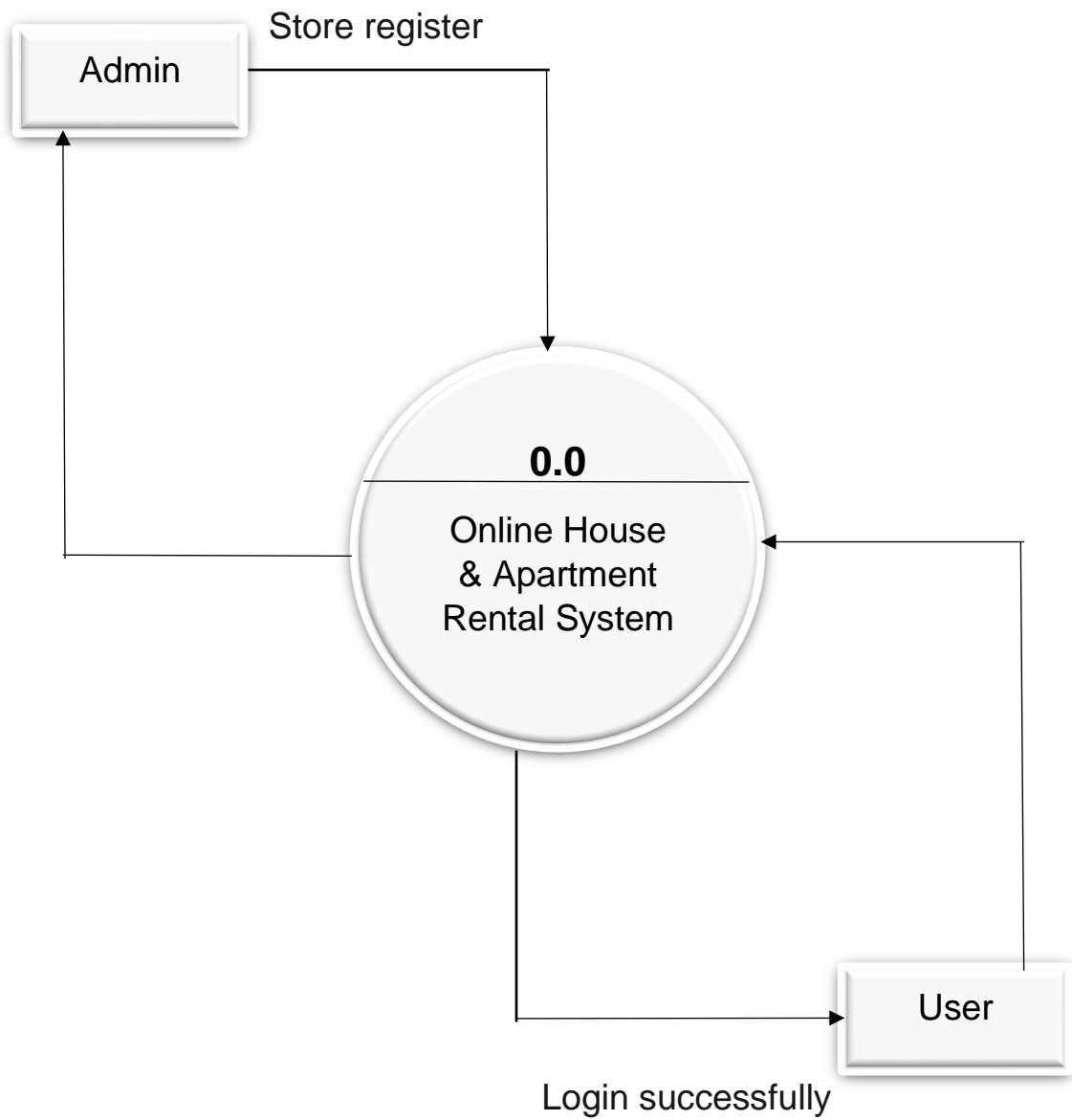


Represent a Data Table



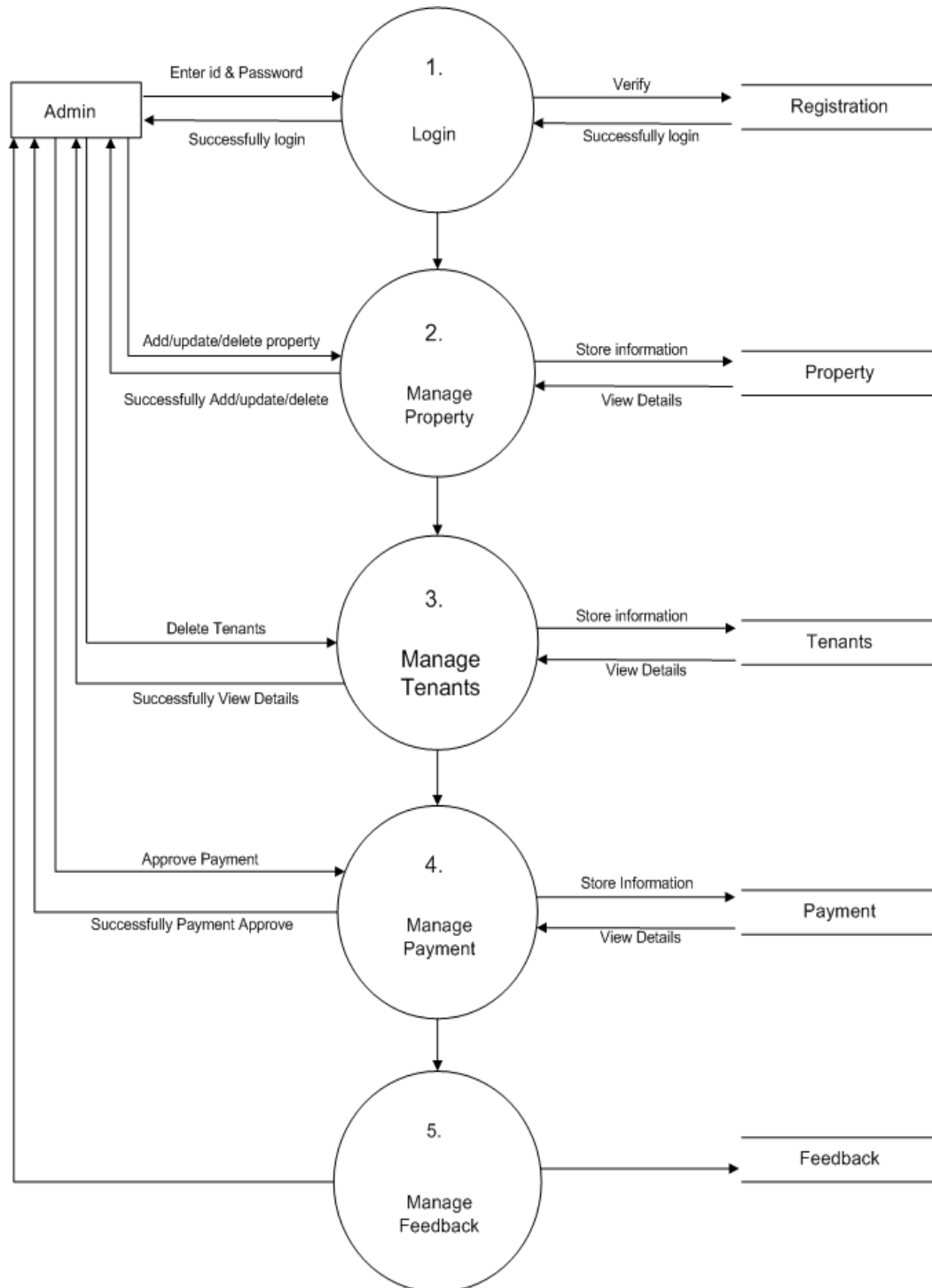
Represent a Processing

0 level Diagram

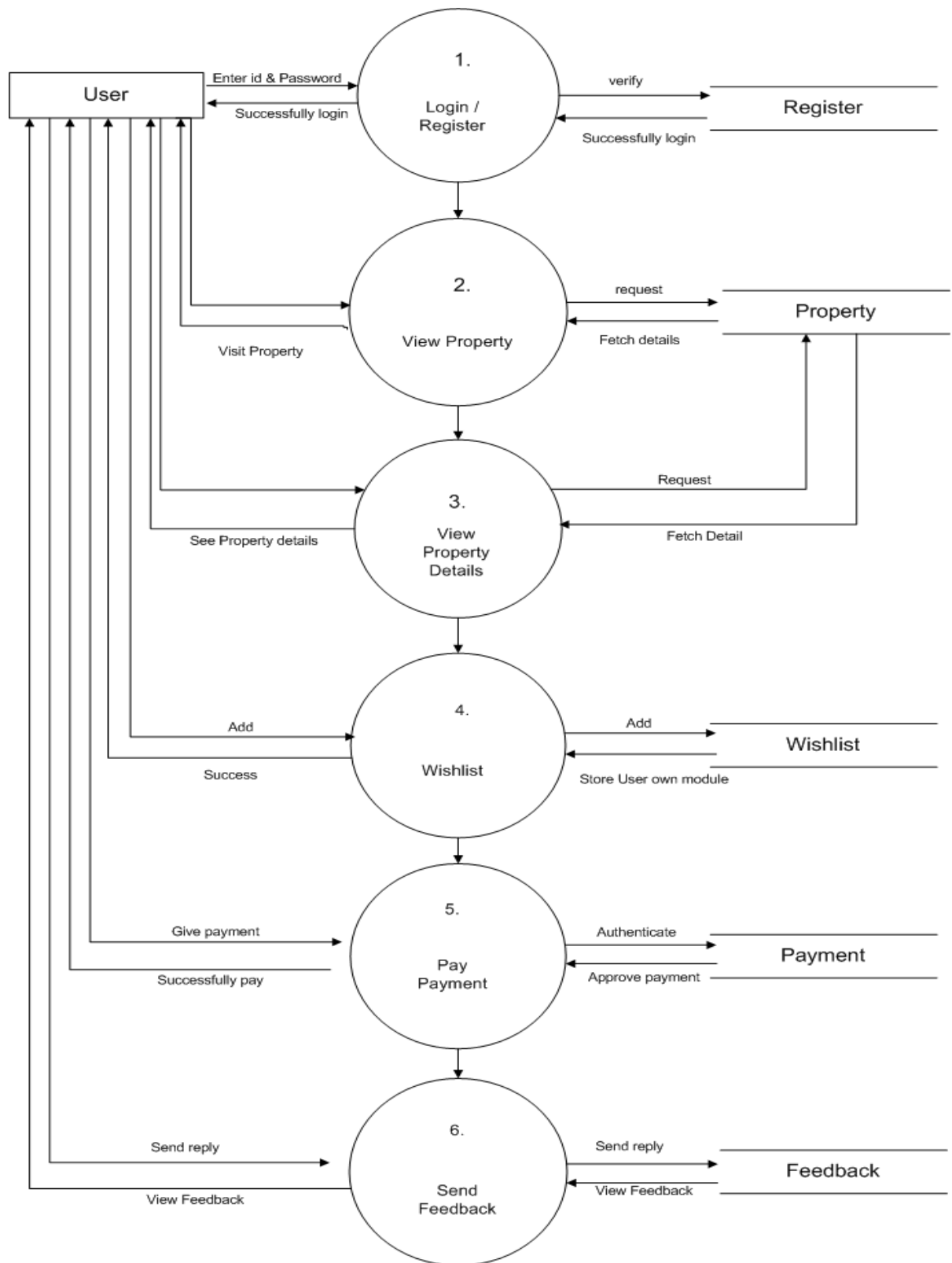


1st level Diagram

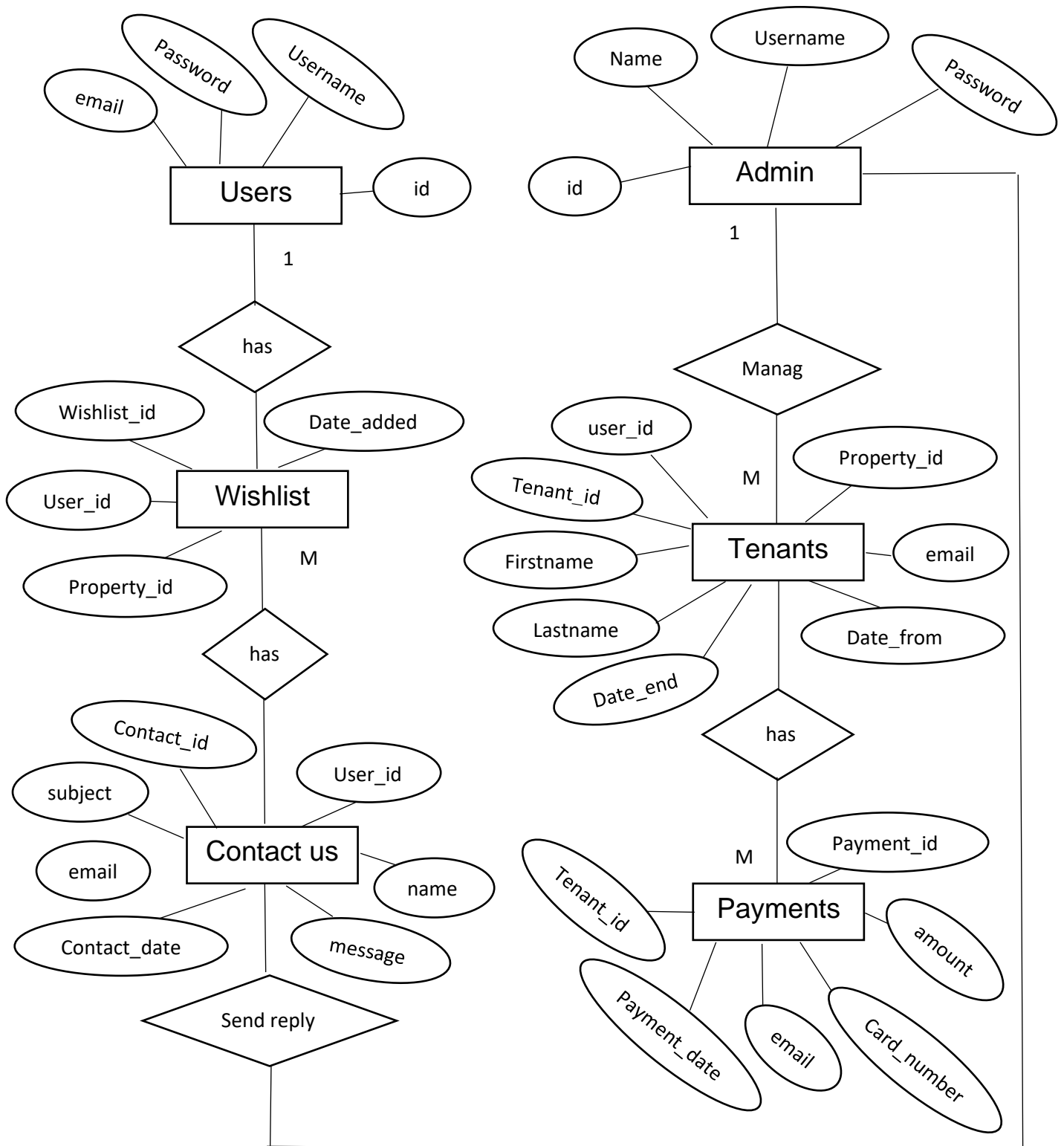
➤ Admin:



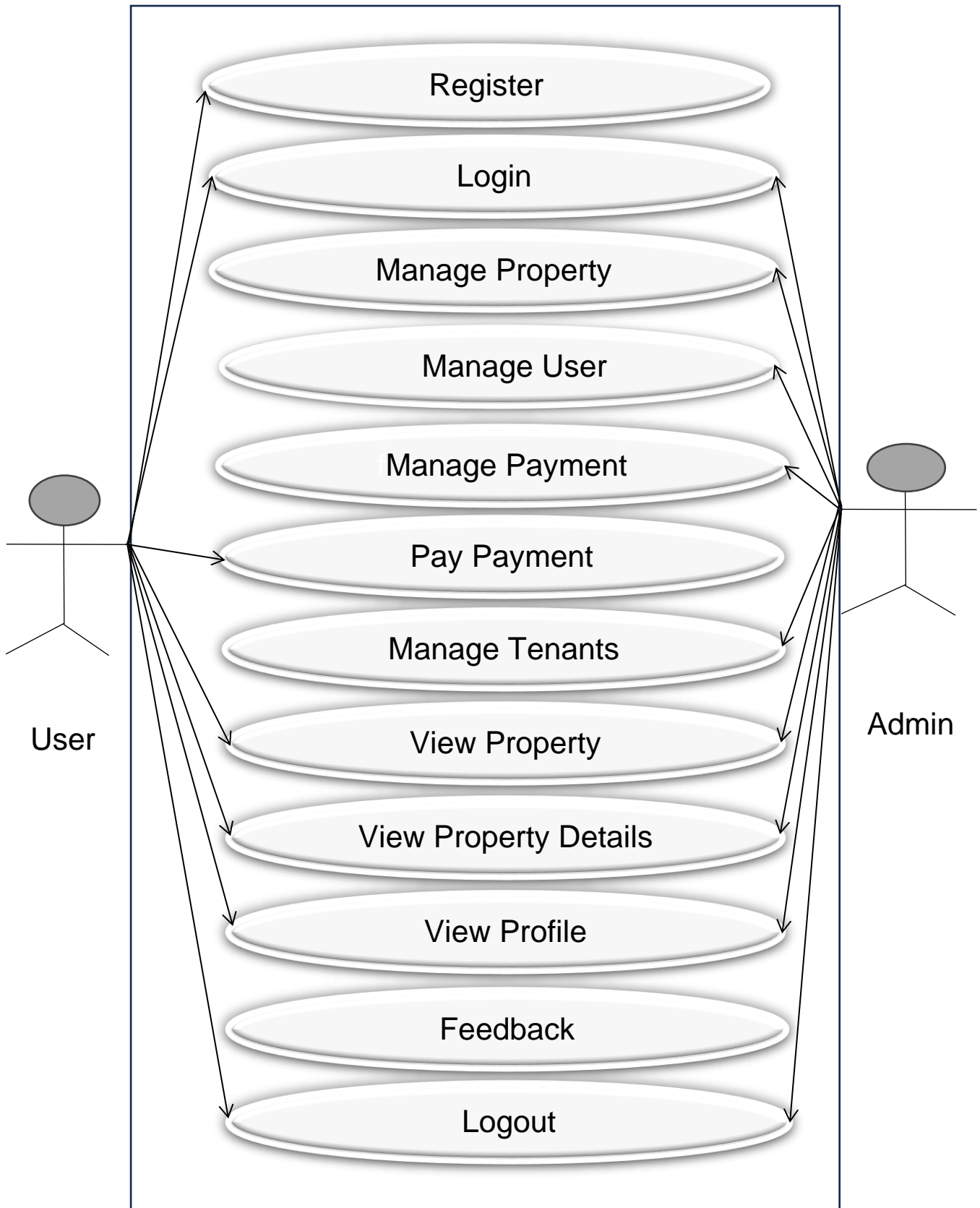
➤ User:



ER-Diagram

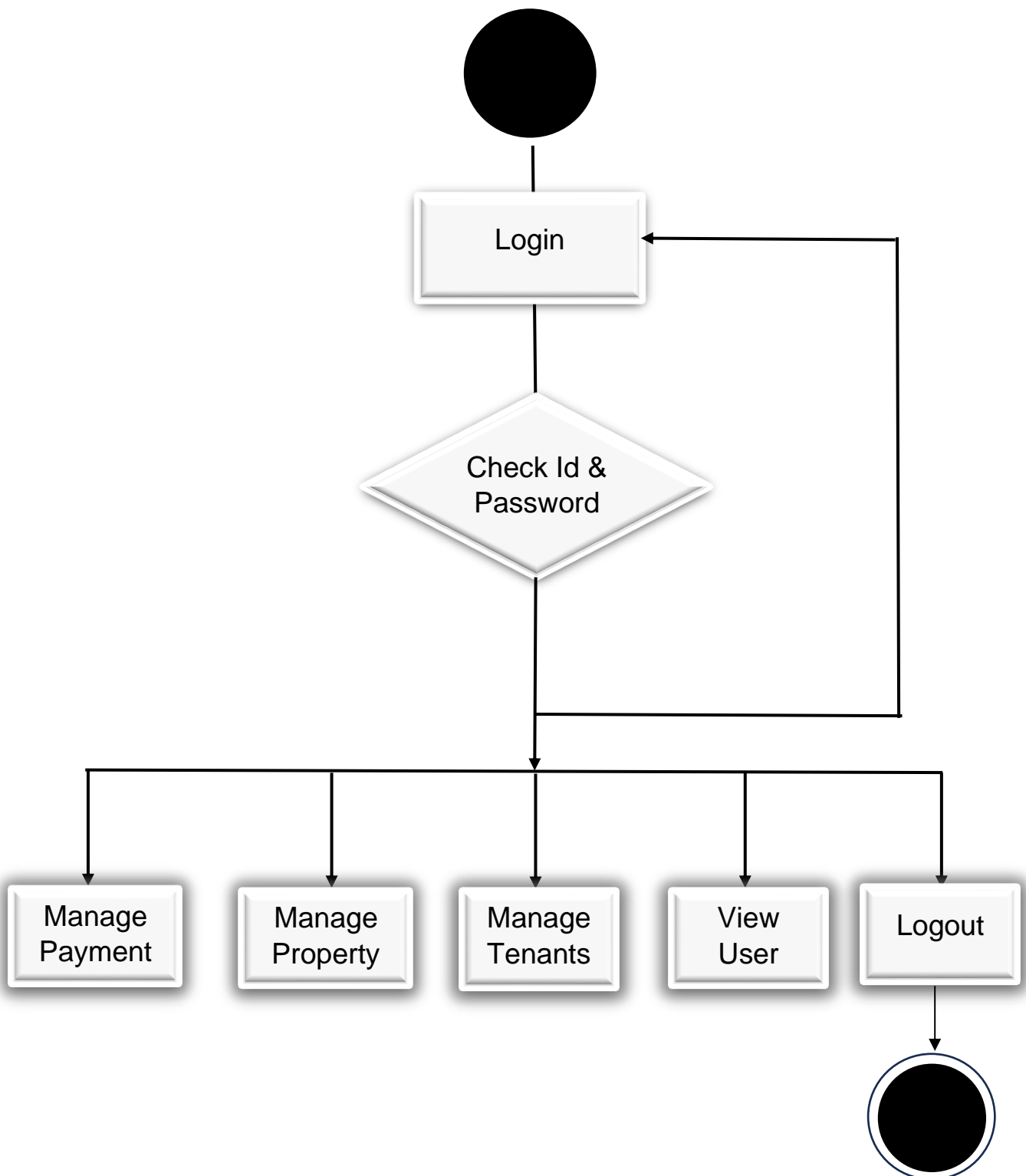


Use case Diagram

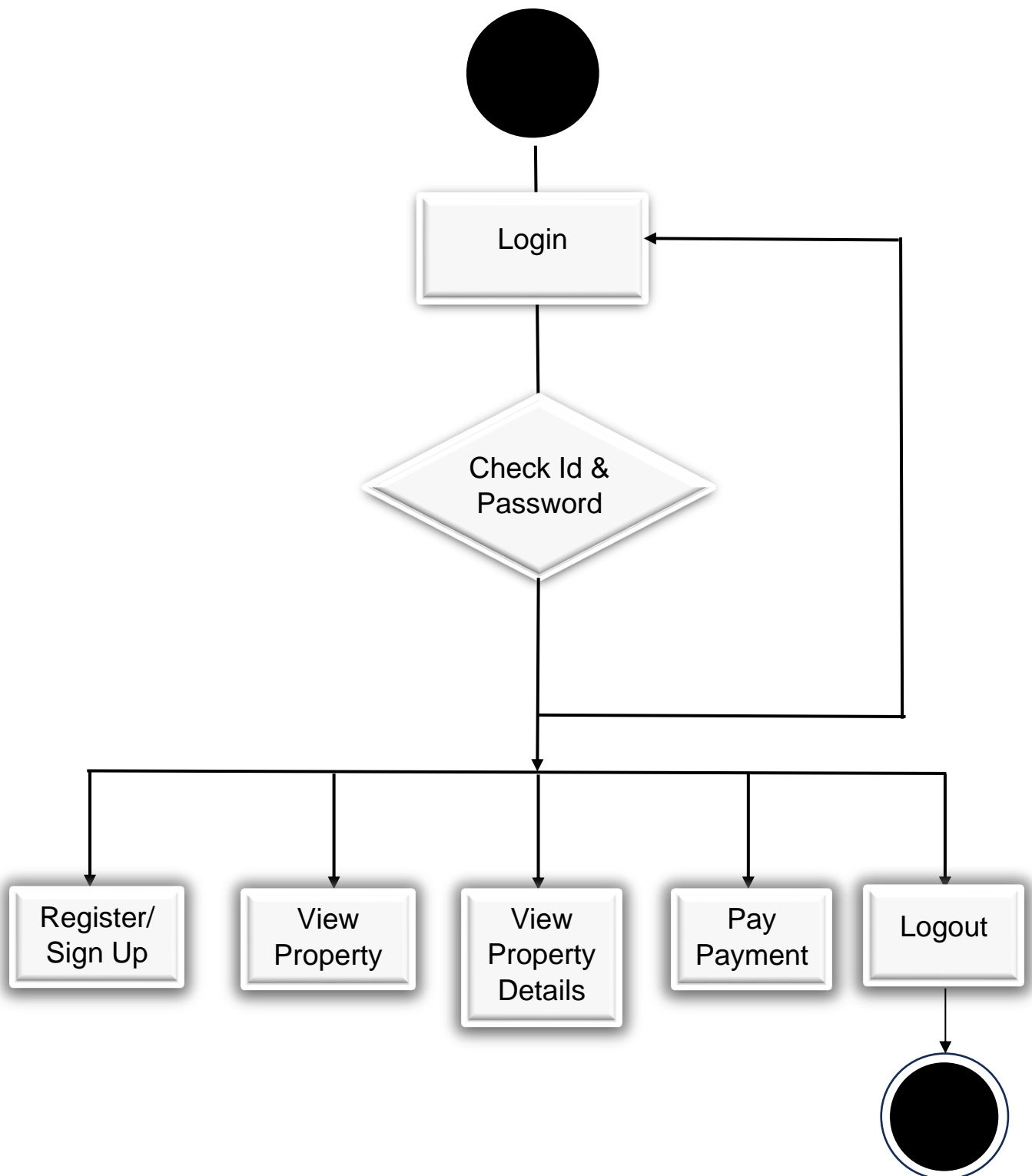


Activity Diagram

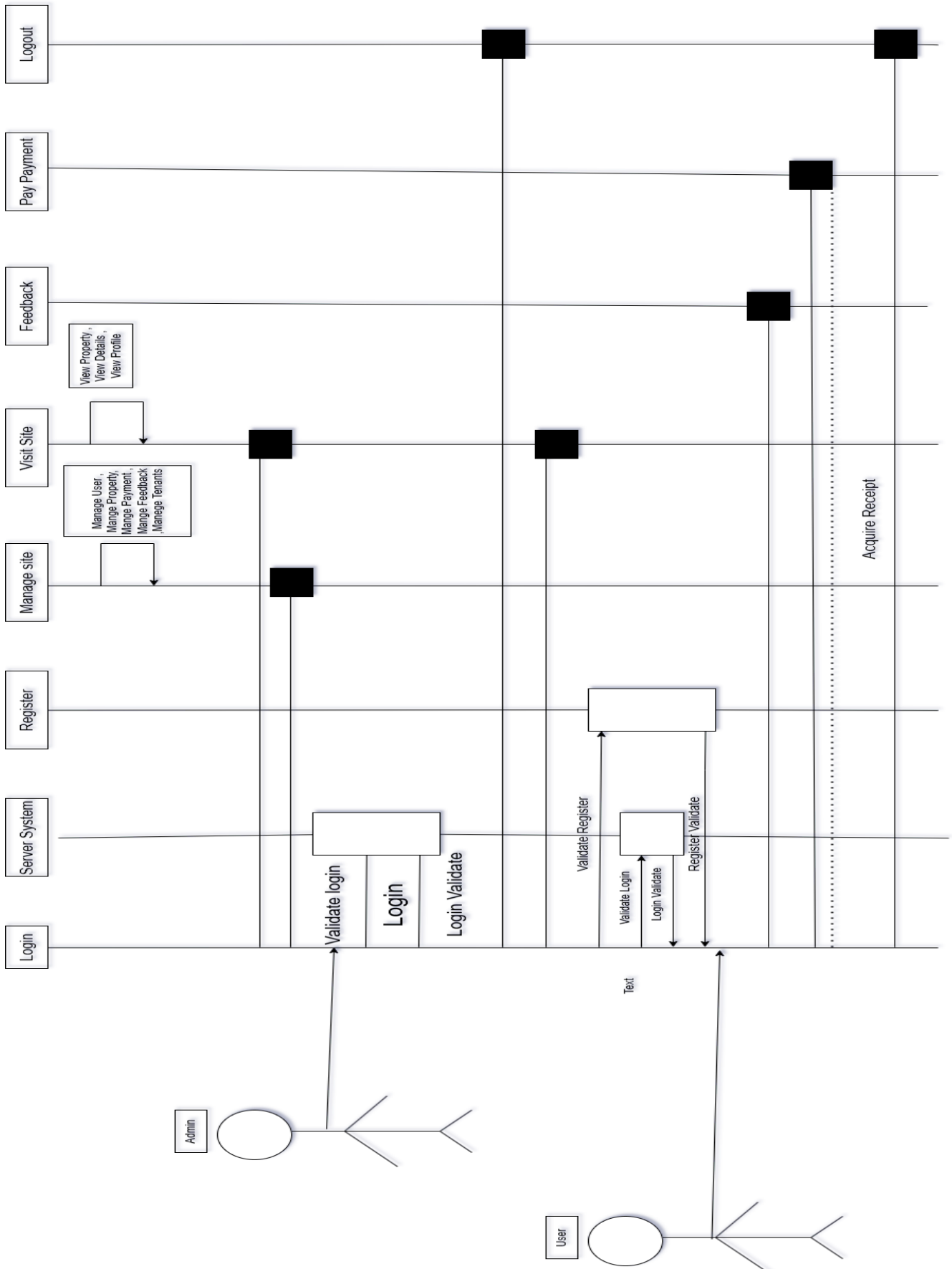
➤ Admin Side:



➤ **User Side:**



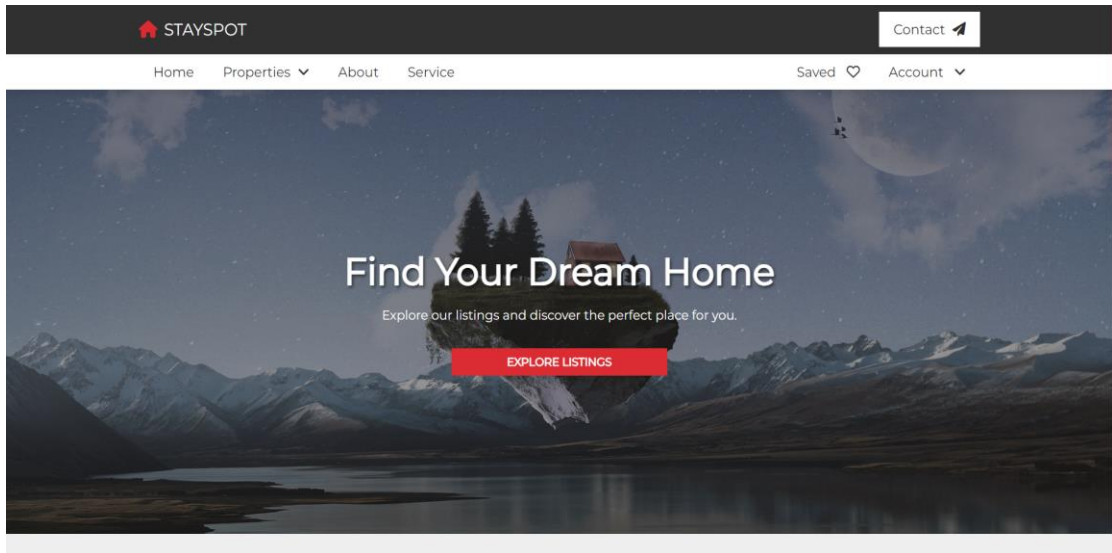
Sequence Diagram



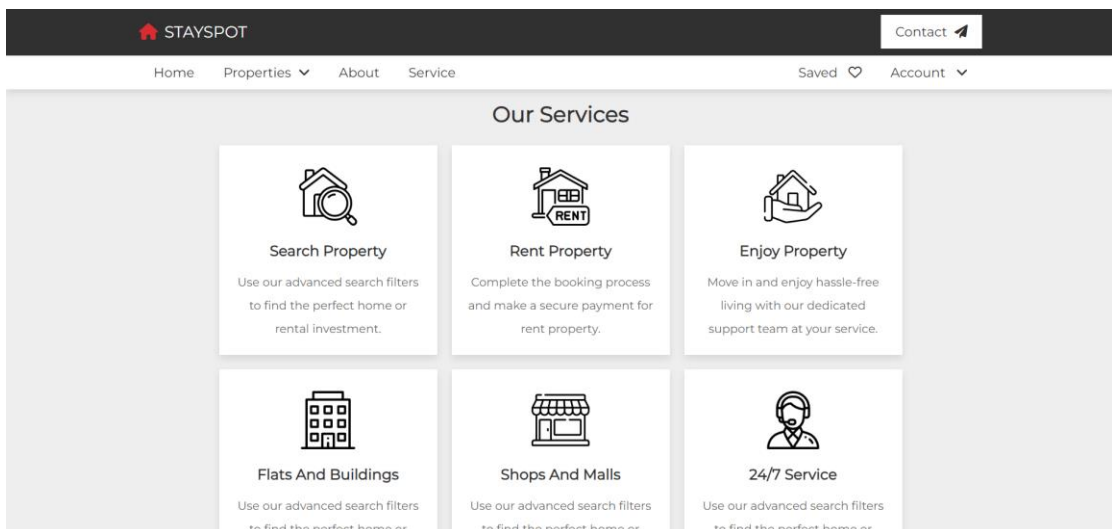
Screen Shots:

Front Website

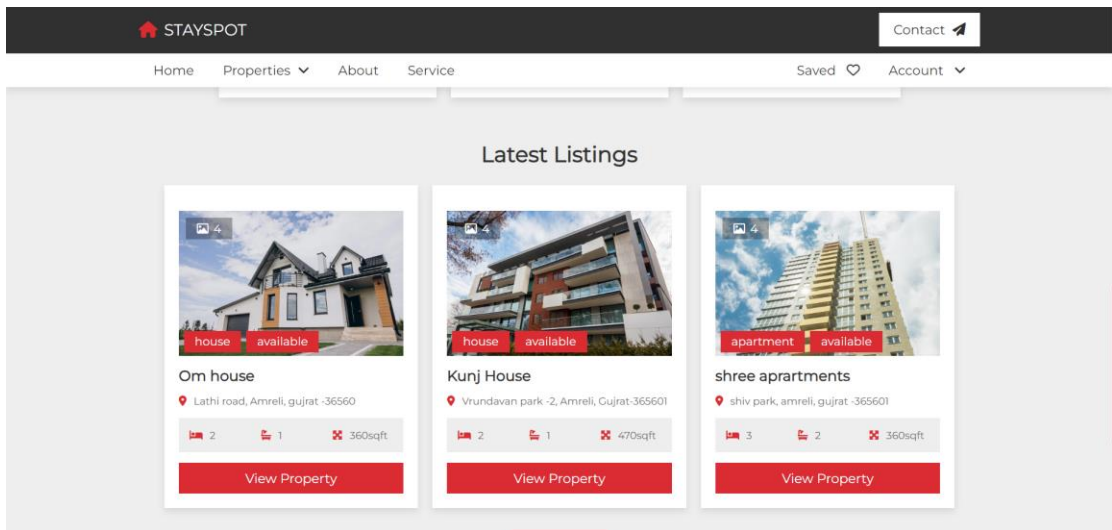
➤ Home Page :



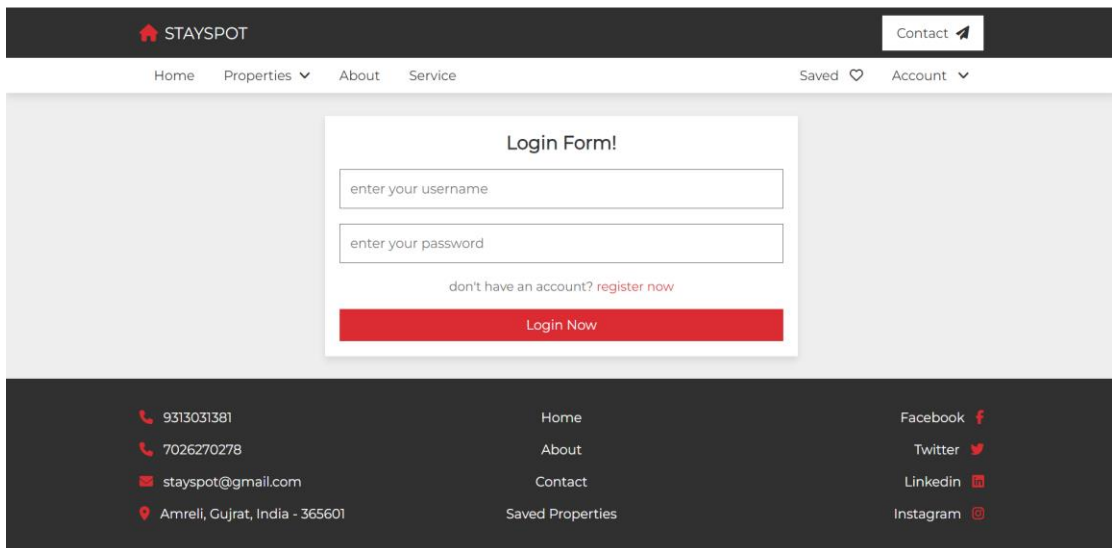
➤ Home Page :



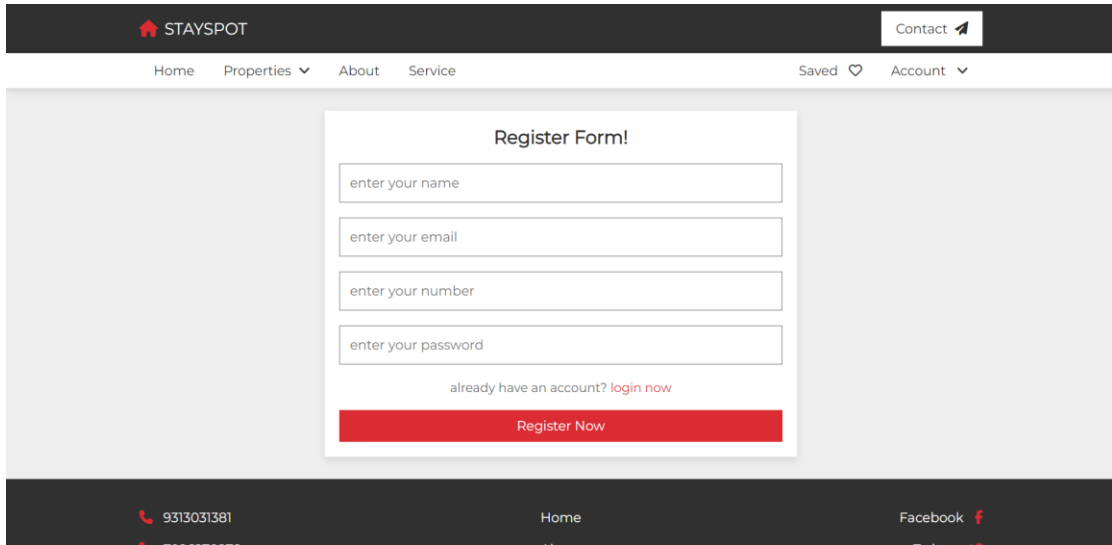
➤ Home Page :



➤ Login Page :



➤ Register Form :



The screenshot shows the STAYSPOT website's registration form. The header is dark with the STAYSPOT logo and a 'Contact' button. The navigation bar includes 'Home', 'Properties', 'About', 'Service', 'Saved', and 'Account'. The main content area features a white 'Register Form!' box with four input fields: 'enter your name', 'enter your email', 'enter your number', and 'enter your password'. Below these fields is a link 'already have an account? login now' and a red 'Register Now' button. The footer contains contact information (9313031381, 7036370370), social media links (Facebook, Twitter), and a 'Home' button.

STAYSPOT

Contact

Home Properties About Service Saved Account

Register Form!

enter your name

enter your email

enter your number

enter your password

already have an account? [login now](#)

Register Now

9313031381

Home

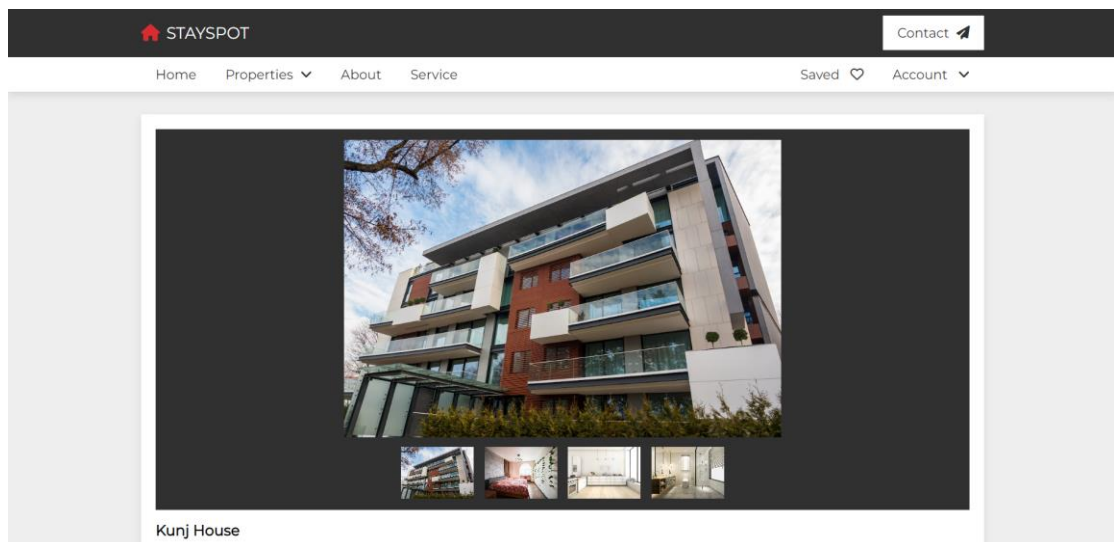
Facebook

7036370370

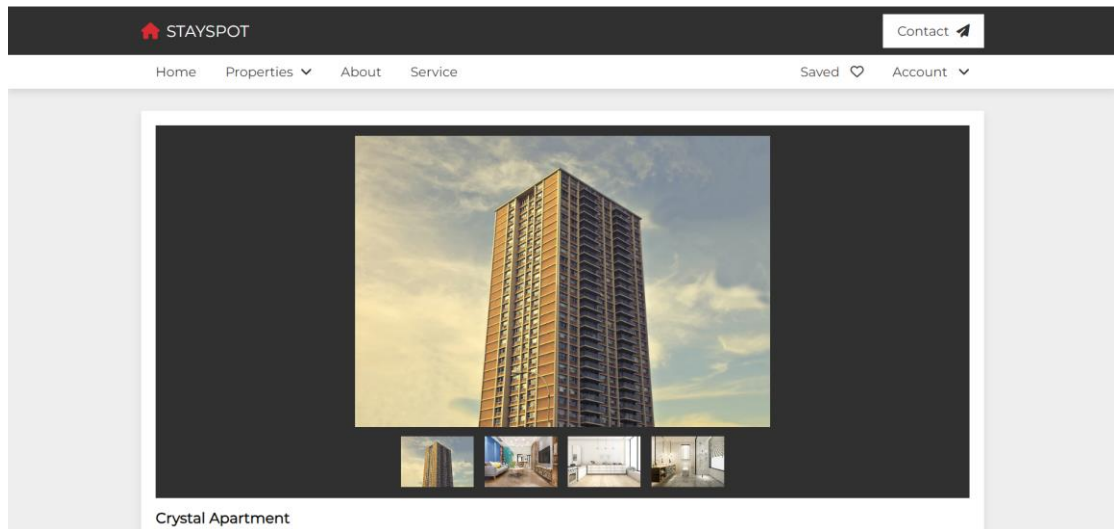
About

Twitter

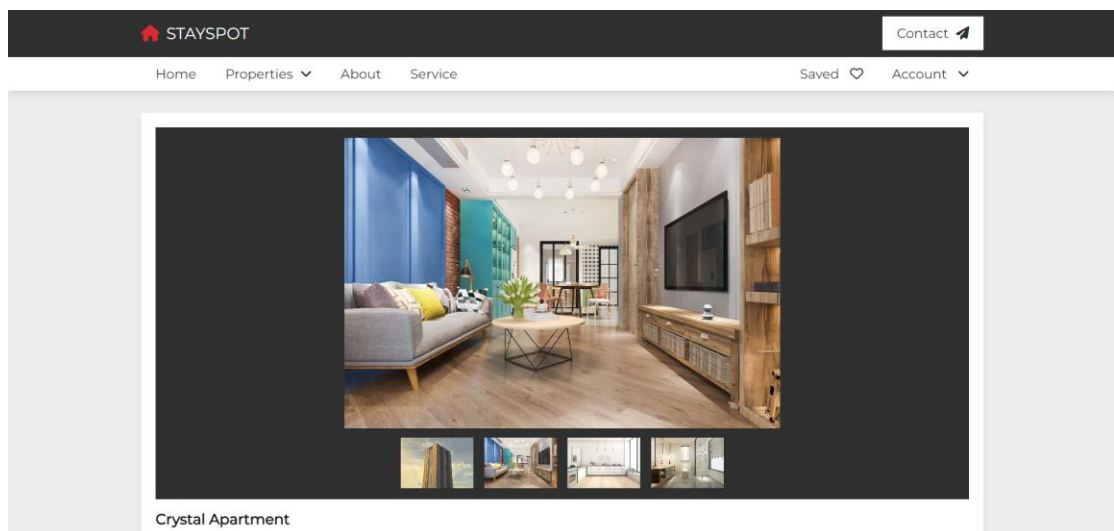
➤ Availability of House :



➤ Availability of Flat :



➤ View Flat :



➤ House Details :

STAYSPOT

Contact

HomePropertiesAboutService

SavedAccount

Vrundavan Park -2, Amreli, Gujrat-365601

Details

Price(Monthly) : 4000rs

Property Type : House

Status : Available

Carpet Area : 470sqft

Bedroom : 2

Bathroom : 1

Balcony : 1

Description

good house

Book Property

Save Property

9313031381

7026270278

stayspot@gmail.com

Amreli, Gujrat, India - 365601

Home

About

Contact

Saved Properties

Facebook

Twitter

Linkedin

Instagram


➤ About :

STAYSPOT

Contact

HomePropertiesAboutService

SavedAccount



Why Choose Us?

We offer a wide range of verified properties with an easy-to-use interface and advanced search filters, ensuring you find the perfect rental. Enjoy secure transactions and expert customer support for a seamless experience.

Contact Us


➤ Contact – us :

STAYSPOT

Contact

HomePropertiesAboutService

SavedAccount



Contact Us

enter your name

enter your email

enter your number

enter your message


Send Message

➤ Saved Page :

HomePropertiesAboutService

SavedAccount

Saved Properties



house available


Om house

Lathi road, Amrell, gujrat -36560

21360sqft

View Property

Remove



apartment available

shree apartments

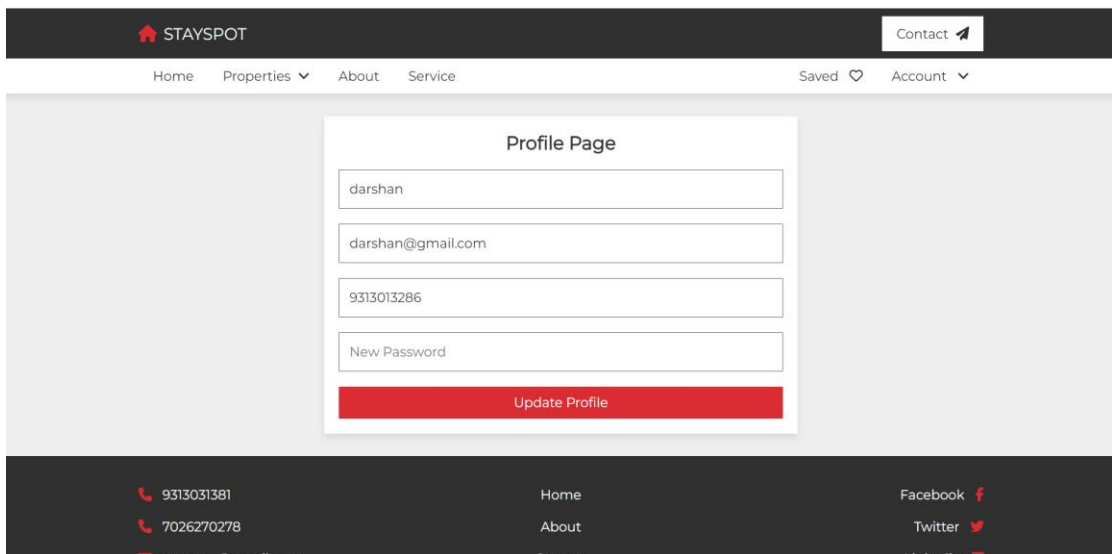
shiv park, amrell, gujrat -365601

32360sqft

View Property

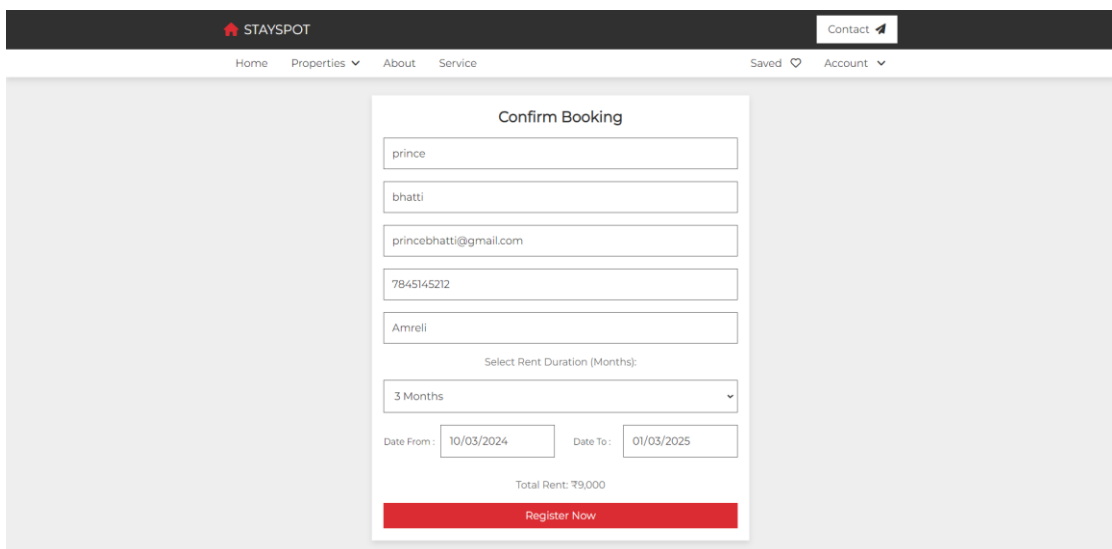
Remove

➤ Profile Page :



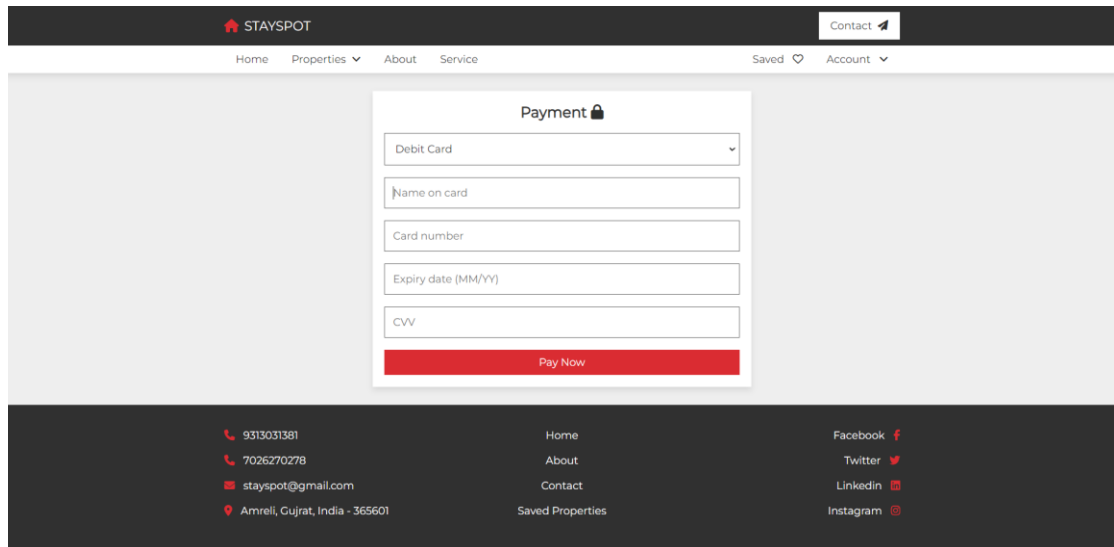
The screenshot shows the STAYSPOT website's Profile Page. The header is dark grey with the STAYSPOT logo on the left and a 'Contact' button on the right. Below the header is a navigation bar with links: Home, Properties (dropdown), About, Service, Saved (with a heart icon), and Account (dropdown). The main content area is light grey and contains a white box titled 'Profile Page'. Inside this box are four text input fields: the first contains 'darshan', the second 'darshan@gmail.com', the third '9313013286', and the fourth is labeled 'New Password'. Below these fields is a red button labeled 'Update Profile'. At the bottom of the page is a dark grey footer containing contact information (phone numbers 9313031381 and 7026270278, and an email address) on the left, navigation links (Home, About, Contact) in the center, and social media links (Facebook, Twitter, LinkedIn) on the right.

➤ Confirm Booking Page :



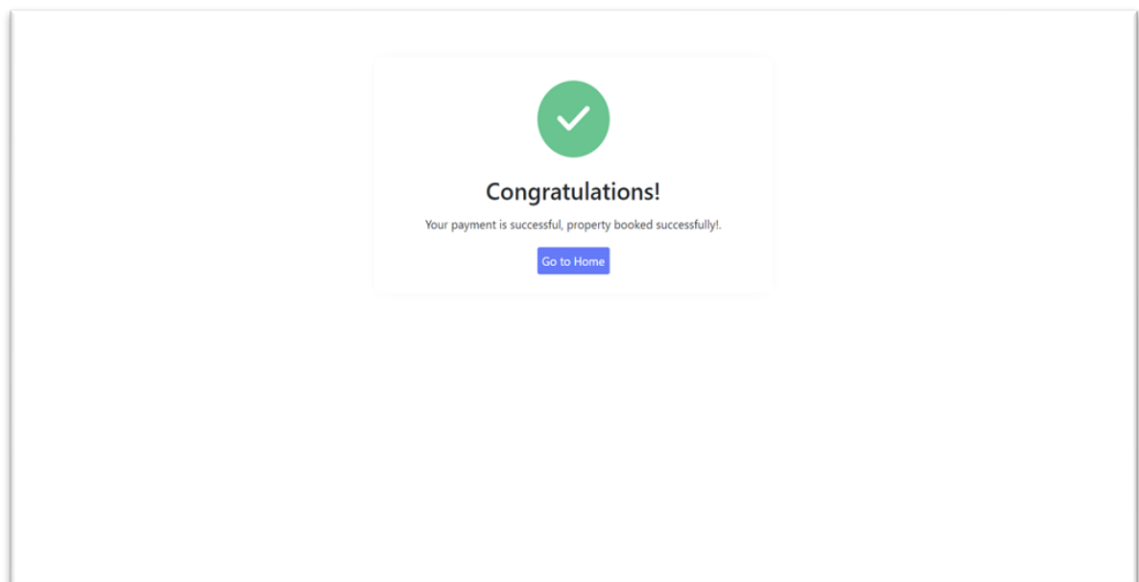
The screenshot shows the STAYSPOT website's Confirm Booking page. The header and navigation bar are identical to the previous page. The main content area is light grey and contains a white box titled 'Confirm Booking'. Inside this box are five text input fields: the first contains 'prince', the second 'bhatti', the third 'princebhatti@gmail.com', the fourth '7845145212', and the fifth contains 'Amreli'. Below these fields is a dropdown menu labeled 'Select Rent Duration (Months):' with '3 Months' selected. Underneath the dropdown are two date input fields: 'Date From:' with '10/03/2024' and 'Date To:' with '01/03/2025'. Below the date fields, it says 'Total Rent: ₹9,000'. At the bottom of the box is a red button labeled 'Register Now'.

➤ Payment Page :

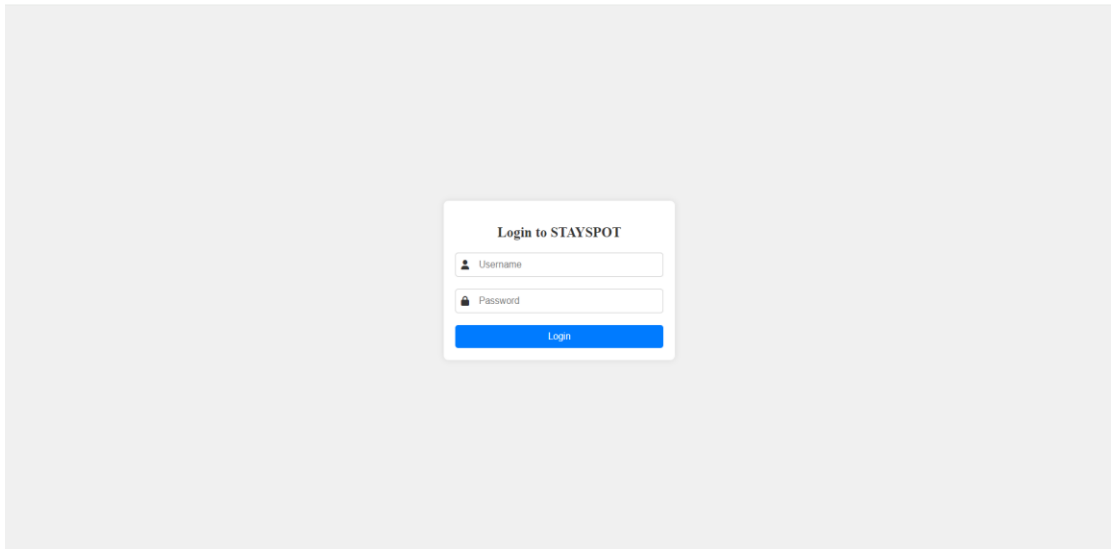


The screenshot displays the STAYSPOT website's payment interface. At the top, a dark header contains the STAYSPOT logo and a 'Contact' button. Below this, a navigation bar lists 'Home', 'Properties', 'About', and 'Service', along with 'Saved' and 'Account' links. The main content area features a central 'Payment' form with a dropdown menu set to 'Debit Card'. The form includes input fields for 'Name on card', 'Card number', 'Expiry date (MM/YY)', and 'CVV', followed by a prominent red 'Pay Now' button. The footer is a dark bar with contact details (phone, email, address), a list of navigation links (Home, About, Contact, Saved Properties), and social media icons for Facebook, Twitter, LinkedIn, and Instagram.

➤ Success Message :

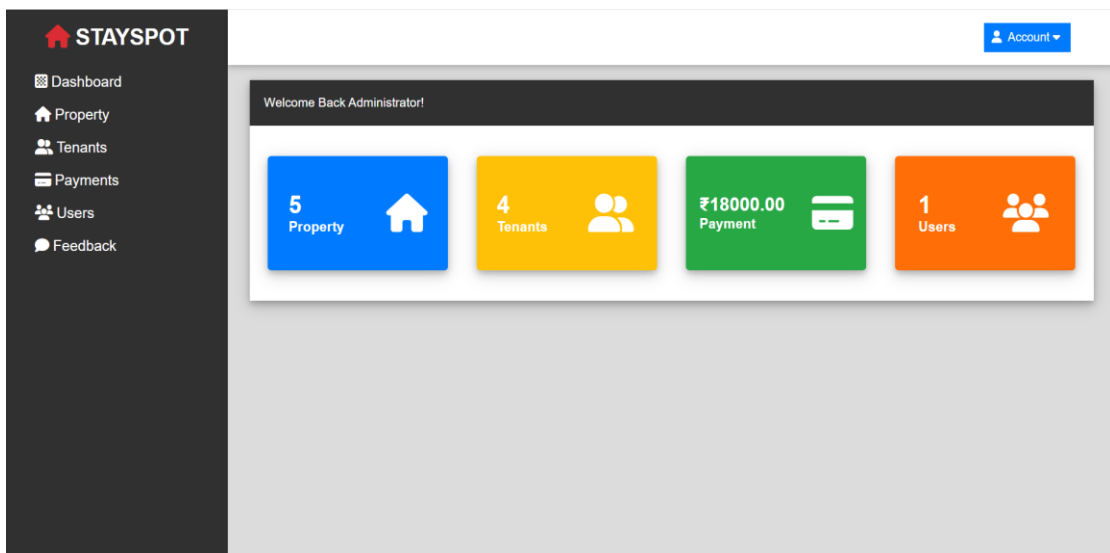


➤ Admin Login Page :



A screenshot of the Admin Login Page for STAYSPOT. The page has a light gray background. In the center, there is a white login box with the title "Login to STAYSPOT". Inside the box, there are two input fields: "Username" with a person icon and "Password" with a lock icon. Below these fields is a blue "Login" button.

➤ Dashboard Page :



A screenshot of the STAYSPOT Dashboard Page. The page features a dark gray sidebar on the left with the STAYSPOT logo and a list of menu items: Dashboard, Property, Tenants, Payments, Users, and Feedback. The main content area has a white background. At the top right of the main area is a blue "Account" button with a dropdown arrow. Below this is a dark gray banner with the text "Welcome Back Administrator!". Under the banner, there are four colored cards: a blue card for "5 Property" with a house icon, a yellow card for "4 Tenants" with a group of people icon, a green card for "₹18000.00 Payment" with a credit card icon, and an orange card for "1 Users" with a group of people icon.

➤ Categories page :

- Dashboard
- Property
- Tenants
- Payments
- Users
- Feedback

Account

Property List

Add Property

name	address	type	price	status	bedrooms	bathrooms	balcony	area	description	image 1	image 2	image 3	image 4	actions
Om house	Lathi road, Amreli, gujrat -36560	house	3000	available	2	1	1	360sqft	This is modern house					
Kunj House	Vrundavan park -2, Amreli, Gujrat-365601	house	4000	available	2	1	1	470sqft	good house					
shree apartments	shiv park, amreli, gujrat -365601	apartment	6000	available	3	2	1	360sqft	modern apartment					
crystal apartment	mohannagar, amreli, gujrat -365601	apartment	3000	available	2	1	1	360sqft	good apartment					
indraprasth apartments	amreli -365601	apartment	7000	available	3	2	1	470sqft	good apartment					

➤ Add House-Apartment Form :

- Dashboard
- Property
- Tenants
- Payments
- Users
- Feedback

Account

Add Property Form

Property Name:

Enter property name

Address:

Enter address

Property Type:

house

Price:

Enter price

Status:

available

Bedrooms:

Enter bedrooms number

Bathrooms:

Enter bathrooms number

Balcony:

Enter balcony number

Area (sqft):

Enter Area in sqft

Description:

Enter description

House:

Choose File No file chosen

Bedroom:

Choose File No file chosen

kitchen:

Choose File No file chosen

Bathroom:

Choose File No file chosen

Add Property

➤ **Contact info page :**

The screenshot displays the STAYSPOT dashboard with a sidebar menu on the left containing: Dashboard, Property, Tenants, Payments, Users, and Feedback. The main content area is titled "Feedback Management" and features a table with the following data:

name	email	number	message	Actions
Bharat	bharat@gmail.com	4521325621	awesome your house place	

➤ **Payment page :**

The screenshot displays the STAYSPOT dashboard with a sidebar menu on the left containing: Dashboard, Property, Tenants, Payments, Users, and Feedback. The main content area is titled "Payments Management" and features a table with the following data:

No.	name	card type	email	number	Amount	Action
1	darshan bhatti	credit_card	darshan@gmail.com	5454546545	9000	
2	zakir	debit_card	zakir@gmail.com	1234567890	9000	

➤ **Tenants Page :**

Dashboard

Property

Tenants

Payments

Users

Feedback

Account

Tenants Management

No.	Property	firstname	lastname	email	number	address	rent month	date from	date to	total rent	actions
1	shree apartments	darshan	bhatti	darshan@gmail.com	4645554546	amreli	2	2024-10-03	2024-12-03	₹12000	
2	Om house	darshan	bhatti	darshan@gmail.com	5454546545	amreli	3	2024-10-05	2025-01-05	₹9000	
3	Kunj House	knsfd	dsfsdf	dsf@dg.com	5435435434	amreli	6	2024-10-05	2025-04-05	₹24000	
4	crystal apartment	zakir	bilkiya	zakir@gmail.com	1234567890	amreli	3	2024-10-05	2025-01-05	₹9000	

Test Case

Test Objective : Login Page

Test Case ID	Test Step	Input data	Expected result	Actual result	Exception result
To_Login - 01	To check username and password click login button.	Enter valid username and password	User should be go home page.	User login successfully.	Successfull
To_Login - 02	To check username and password click login button.	Enter invalid username and password	User should not go on home page.	User not login	Unsuccessfull

Future Scope

Every person wants his house should be best in a location with all facilities. Apartment should be a near to market and product unit near to raw material and marketplace.

Generate companies concentrate on its product and infrastructure are brought from real estate companies.

Bibliography

1. www.google.com

2. You Tube

This documentation is created by

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CD/DVD

Below items are included in cd/dvd.

- ❖ Project
- ❖ Database
- ❖ Documentation
- ❖ Screenshots



THANK YOU