

Camjaira functional specification

Documentation for Camjaira version V1.1.0

Document subject to change

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Project Description

Camjaira is a website that improves the experience for customers to view rooms.

Our project aims to solve inefficiency issues in the business workflow both for the experience of the management and the customer. Having a website serving information makes answering customer query fast, and puts less workload on the owner. The management can easily change information about the rooms in just a few clicks.

In this version, we want to improve the system by making a proper feedback channel for users to post their opinions. As well as make the reservation process simpler.

Scenarios

Scenario 1: Sarah the client

Sarah is a young professional who just moved to a new city for a job. She is currently living with a relative in a city until she can find her own housing. She has heard about Camjaira from a colleague at work and decides to check out their website.

Sarah visits Camjaira's website, creates an account and browses through their listings of available rental properties. She filters the search results by price range, and room size. She finds a few properties that she likes and decides to schedule appointments to view them.

Sarah submits an appointment request on Camjaira's website to book appointments to rent properties. The system adds the appointment ticket to a list for the owner to see later.

Later the owner sees sarah's appointment and she accepts the appointment, sarah gets an email from the system notifying her appointment will be entertained.

Soon enough sarah arrives at the first property and meets with the property manager. Overall she is impressed with the service and she goes to the website's feedback channel to post a comment. Sarah also likes the room she is staying in, she also goes to the room and posts a rating for that room.

Scenario 2: Liane the owner

Liane is the owner of a small rental business called *camjaira*. She owns one building and operates similarly to a hotel.

Using the new Camjaira web system. She can easily use the website as an informational platform and to advertise her business.

She goes to camjaira's website and see the room list page, there all her rooms she is renting out is on the site for all to see. Liane decides she wants to change the price of a room. She goes to the room's page and enters edit mode. There she simply changes the number and clicks save.

Liane then also regularly needs to know if anyone needs consultation regarding business. She goes over her appointment page, and sees a list of appointment requests from clients. She decides to entertain the first appointment, she clicks a button to mark the appointment as resolved.

After checking her appointments, Liane is curious to know about what clients think of Camjaira. There she sees the suggestion inbox, scrolling through the suggestions one by one and marking them as read, Liane finds one she thinks is helpful, she marks it as her favourite.

The next time Liane goes to the appointments page, she can filter out to see only favourite suggestions.

Non-goals

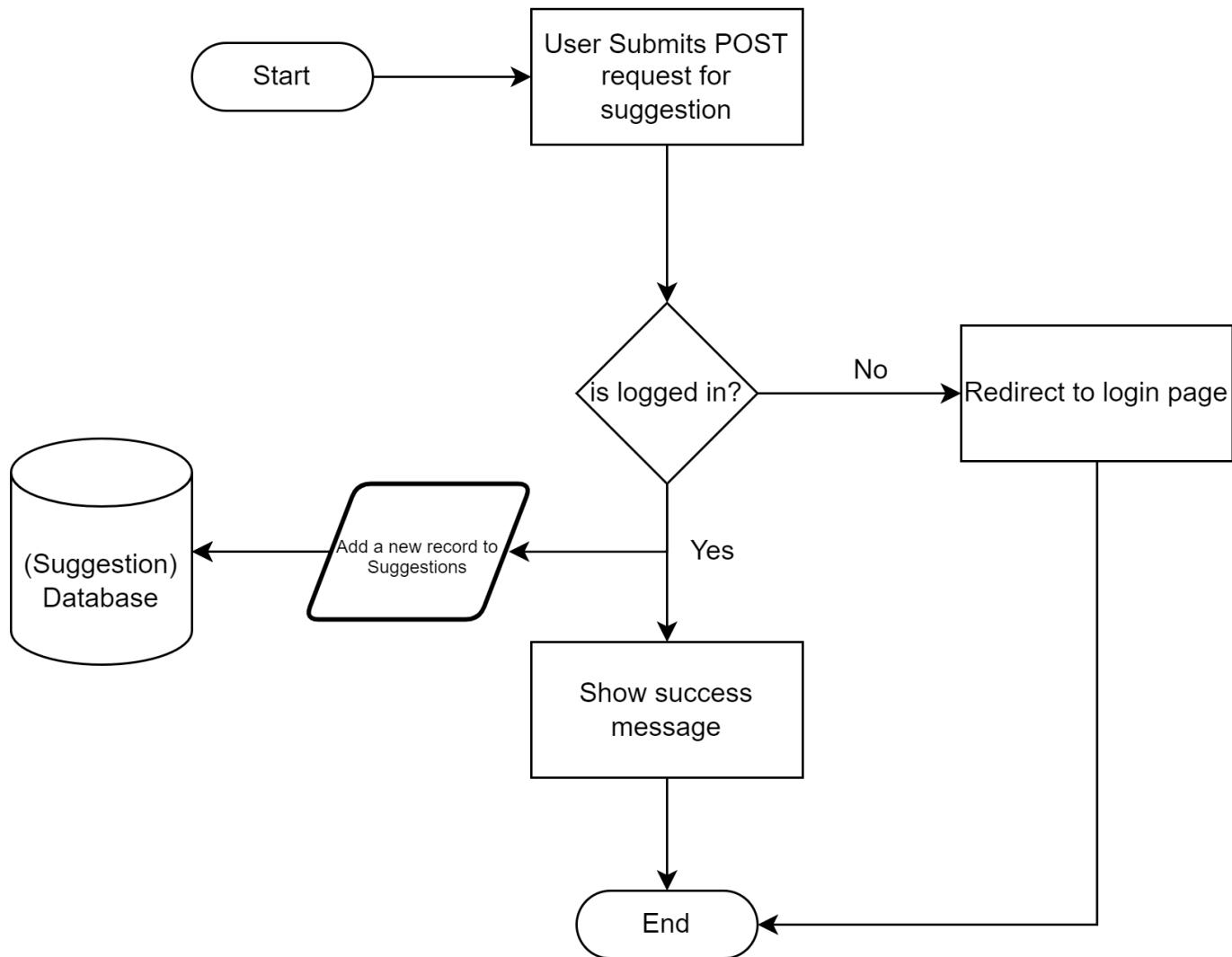
This version *will not* support the following features:

1. Changing user account passwords
2. Scheduling and reservation

System Flowchart

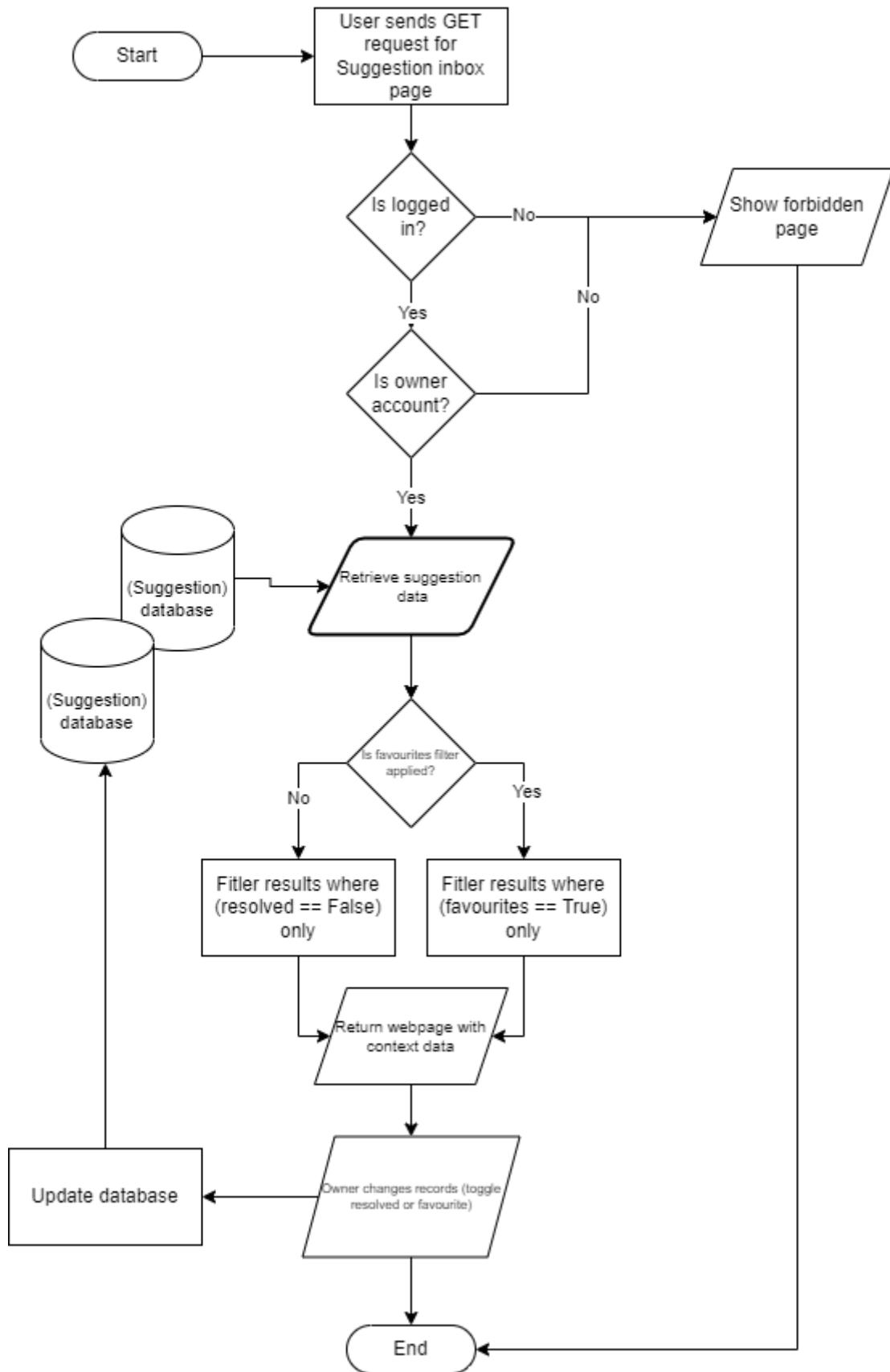
Suggestion posting system

Posting suggestions



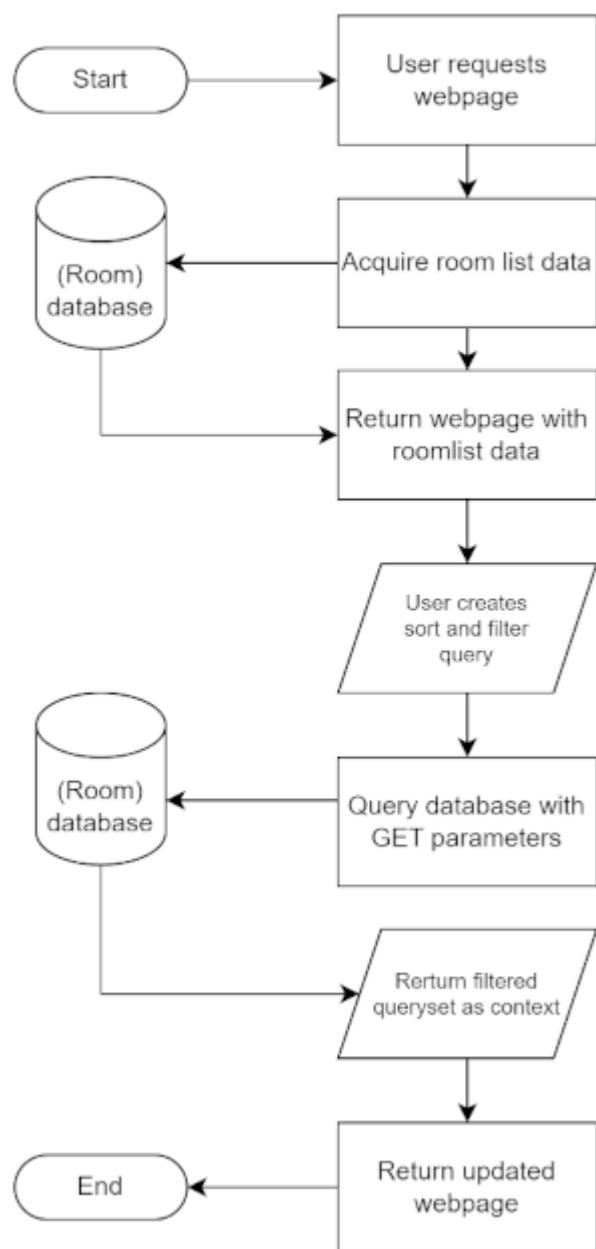
Suggestion inbox system

Managing suggestion inbox



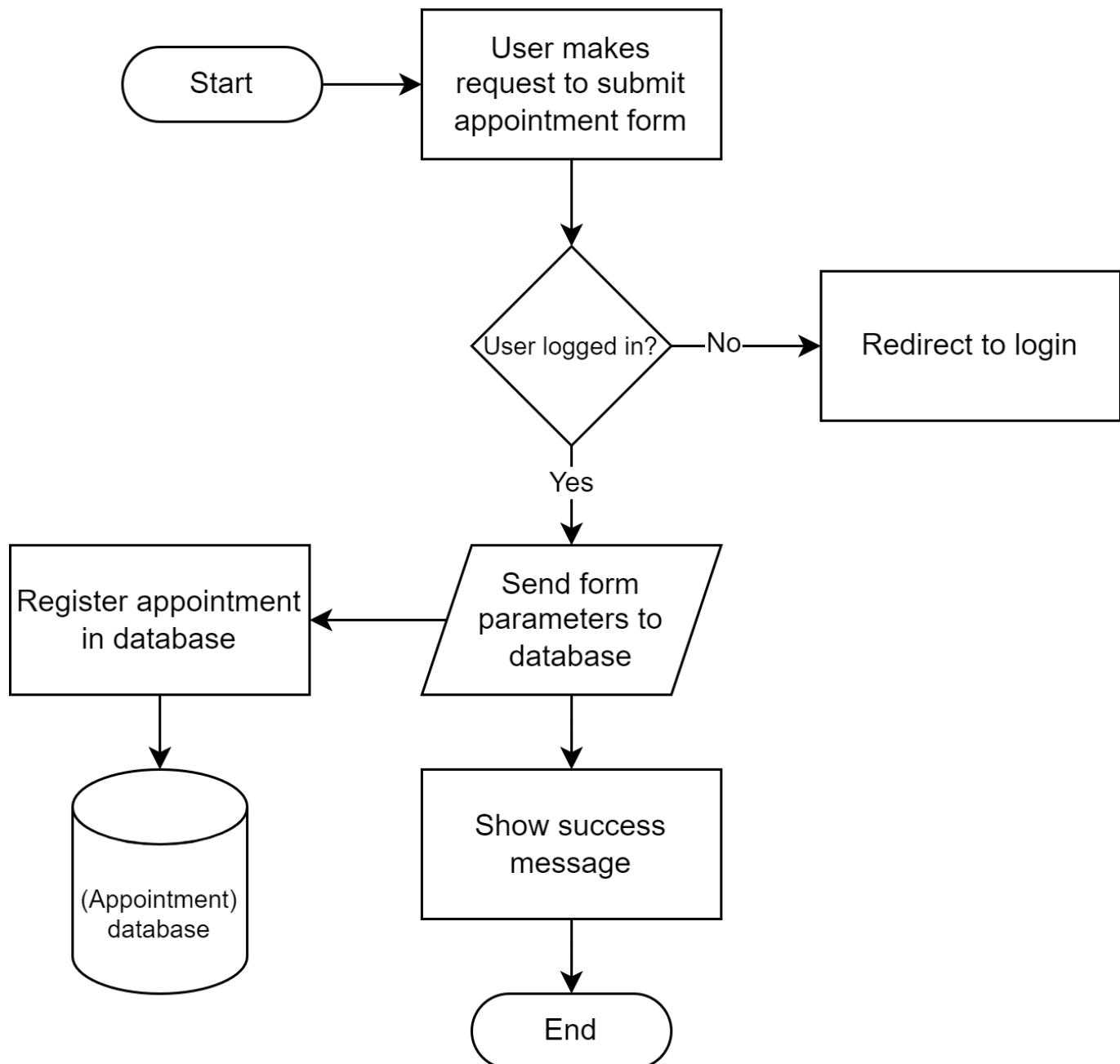
Room list search system

Room search feature



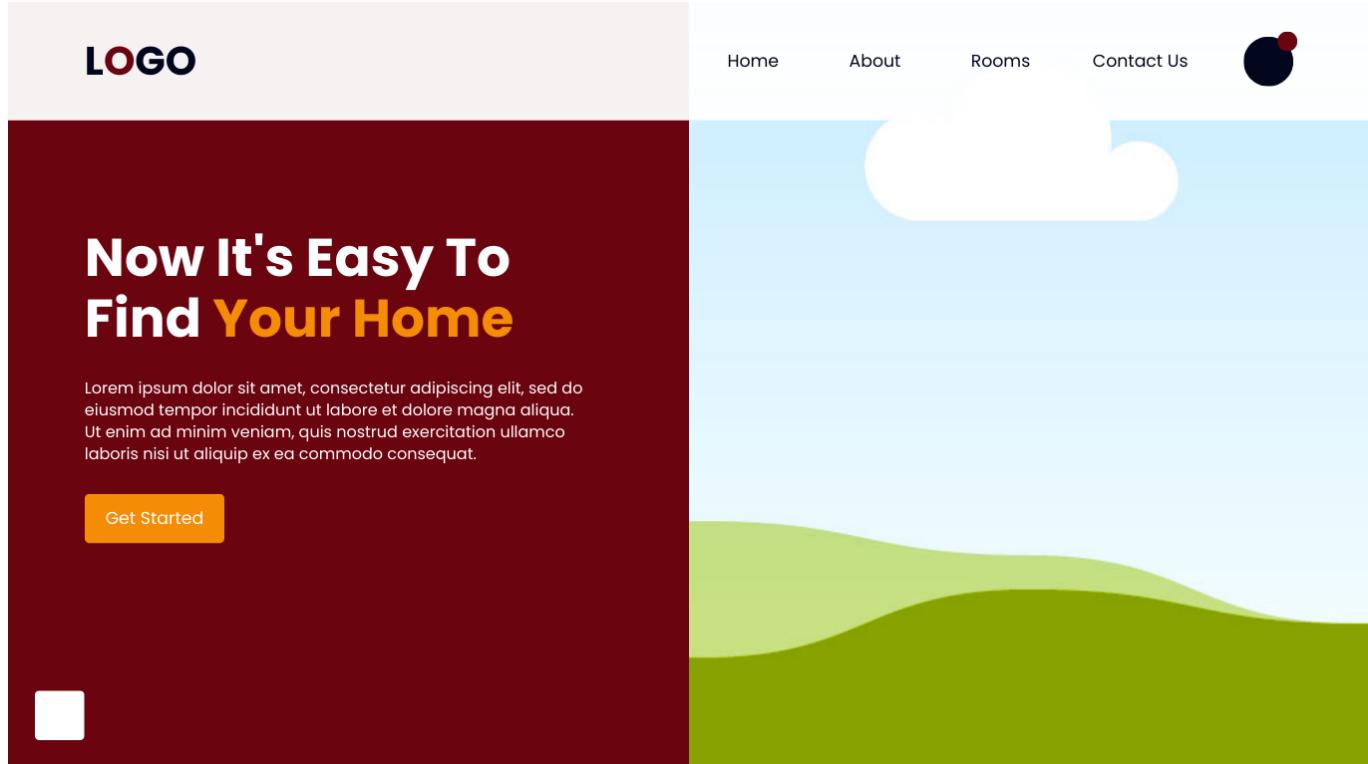
Appointment ticketing system

Appointment ticket creation



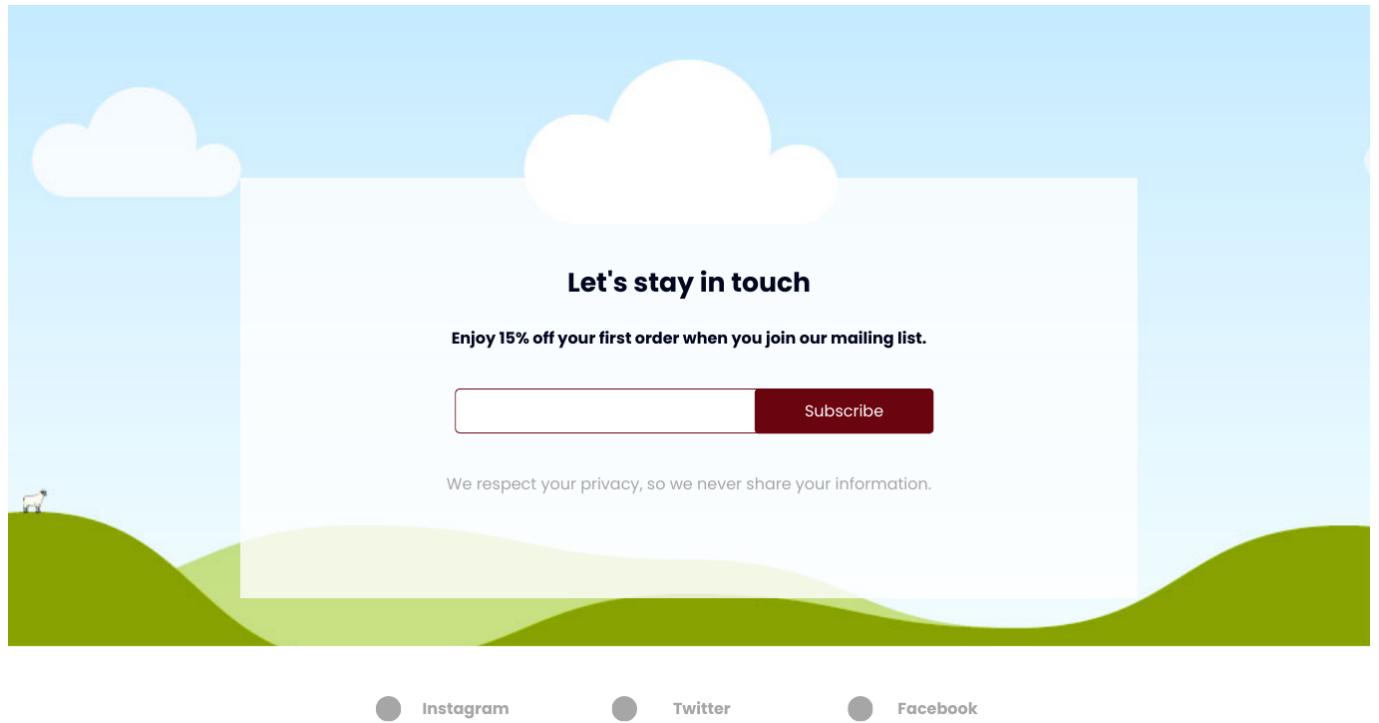
Screen by Screen Specification

Home Page



The “Home” page of our website serves as a welcoming introduction to our platform, providing users with an overview of what we offer. Its purpose is to provide a starting point for visitors to explore and navigate our website.

Search bar

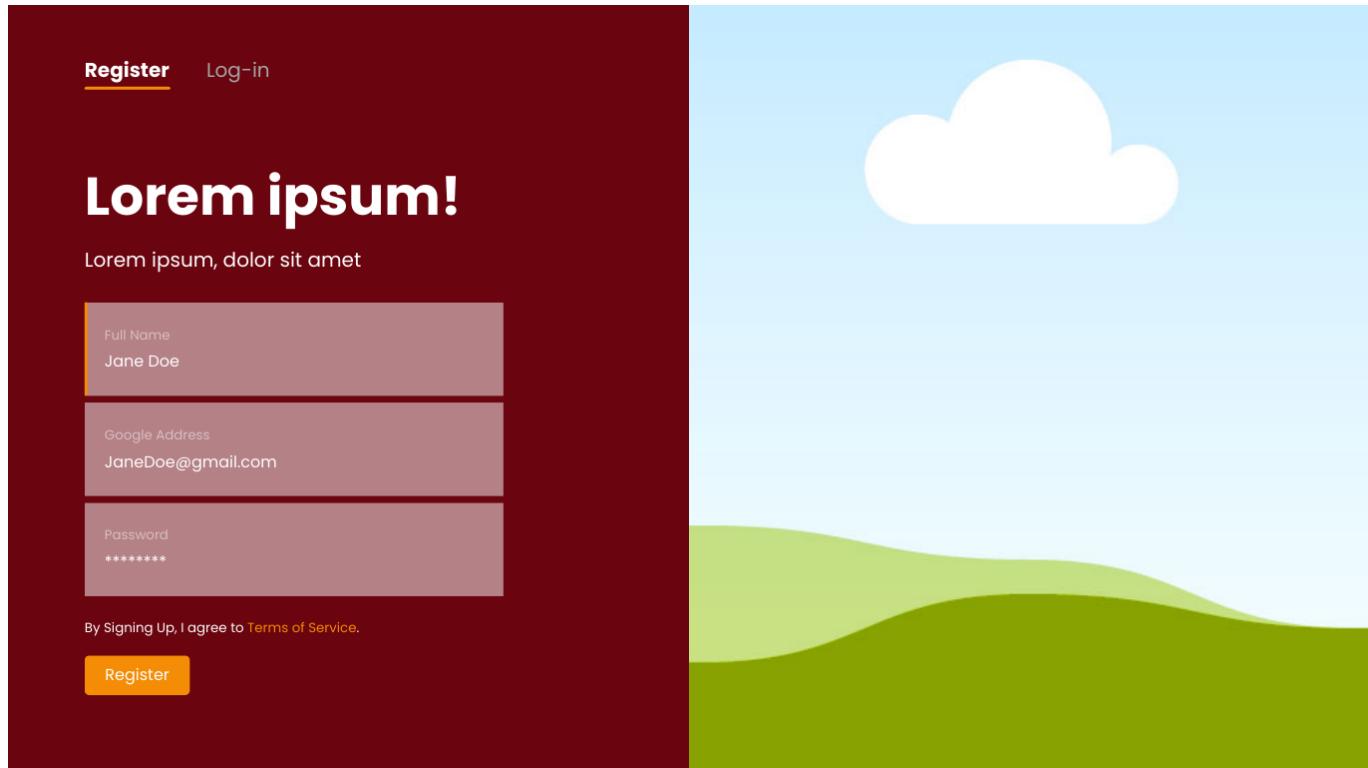


The search bar is another feature we have to let visitors find rooms they want to stay in. The search bar compares the search query against the room's metadata, returning results that match.

The following fields are compared against the query:

1. Description
2. Room Number

Registration page

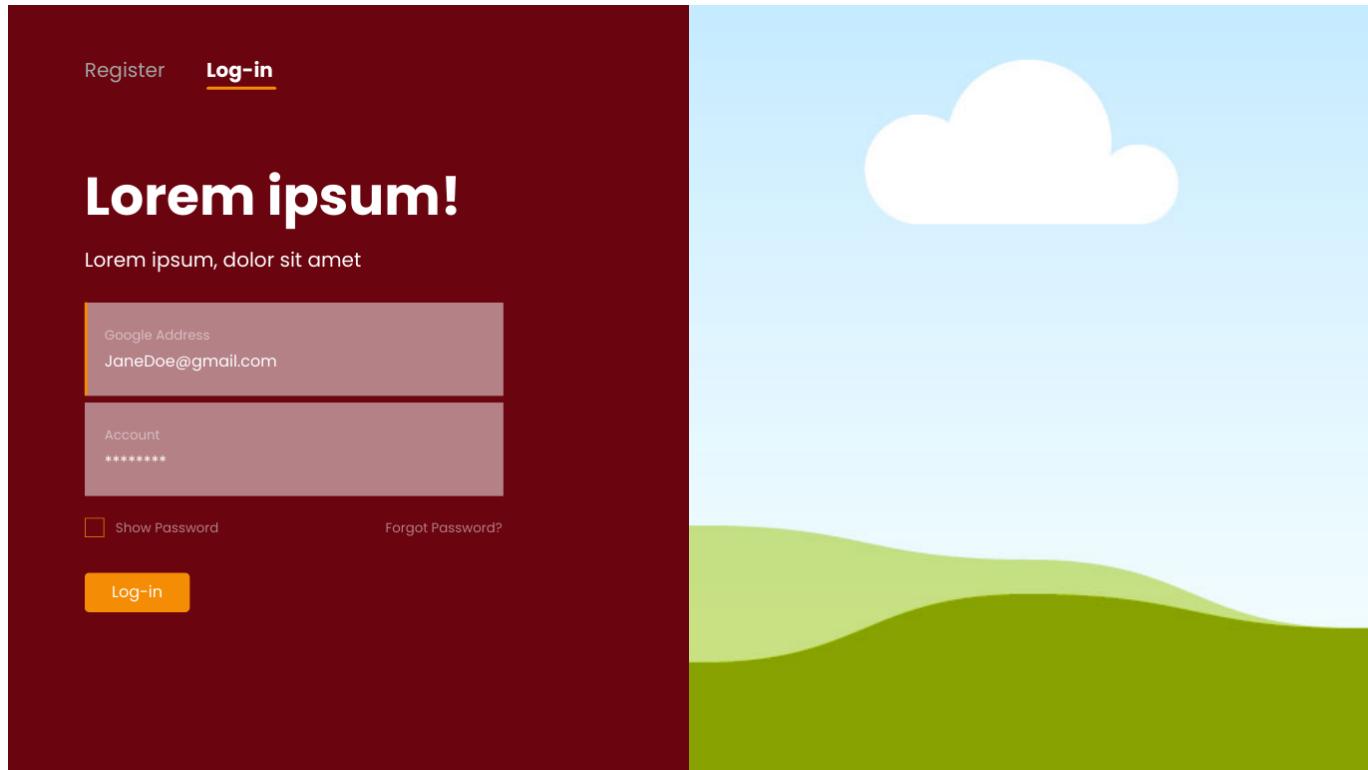


Our “Register” page is designed to allow users to create a new account on our CamJaira website. Its purpose is to provide a seamless and secure experience for users who wish to access our platform and take advantage of its features.

When users arrive on the “Register” page, they are typically prompted to enter their personal information, such as their name, Google address, and password.

Once the user enters their information, the “Register” page will process the input by validating the user’s information and checking for any errors or inconsistencies. If the information is valid, the carrier will store the user’s details securely in our database and create a new account for the user.

Login Page



Our "Log-in" page provides a secure and convenient way for users to access their accounts on our website. By entering their registered Google address and password, users can log-in and access personalized content, features, and settings unique to their account. This page is designed to verify the user's identity and prevent unauthorized access to their account, ensuring their personal information and data are protected.

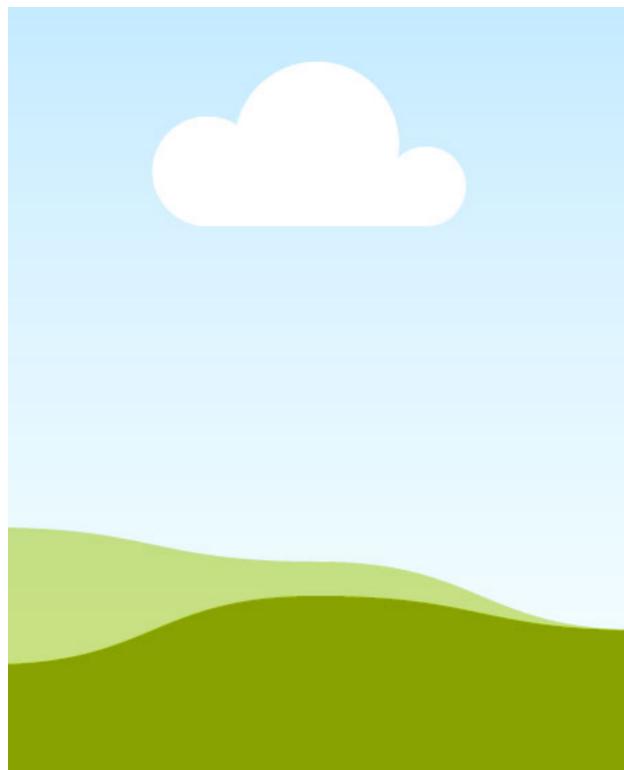
Appointment Page

The screenshot shows a web page with a dark red header and footer. In the top left corner is a logo icon. The top right features navigation links for Home, About, Rooms, and Contact Us, along with a dark circular profile picture. The main content area has a white background. On the left, there's placeholder text "Lorem ipsum!" and "Lorem ipsum, dolor sit amet". Below this is a calendar for March 2023, highlighting Monday the 20th. On the right, a "Book an Appointment" form is displayed with fields for Full Name (Jane Doe), Google Address (JaneDoe@gmail.com), Mobile Number (+000 00 000 0000), and a date selector (03 - 20 - 2023).

The purpose of our “Book an Appointment” page is to allow users to schedule appointments for various services. This page is designed to make it easy and convenient for users to book appointments online without calling or visiting the business in person.

When users visit our “Book an Appointment” page, they will be prompted to select the type of appointment they would like to book. This might include choosing a specific service, selecting a preferred date, or indicating particular requirements or preferences. Once the user has entered this information, the page will process their input by checking availability and providing options for available appointment slots.

Contact page



Contact Us

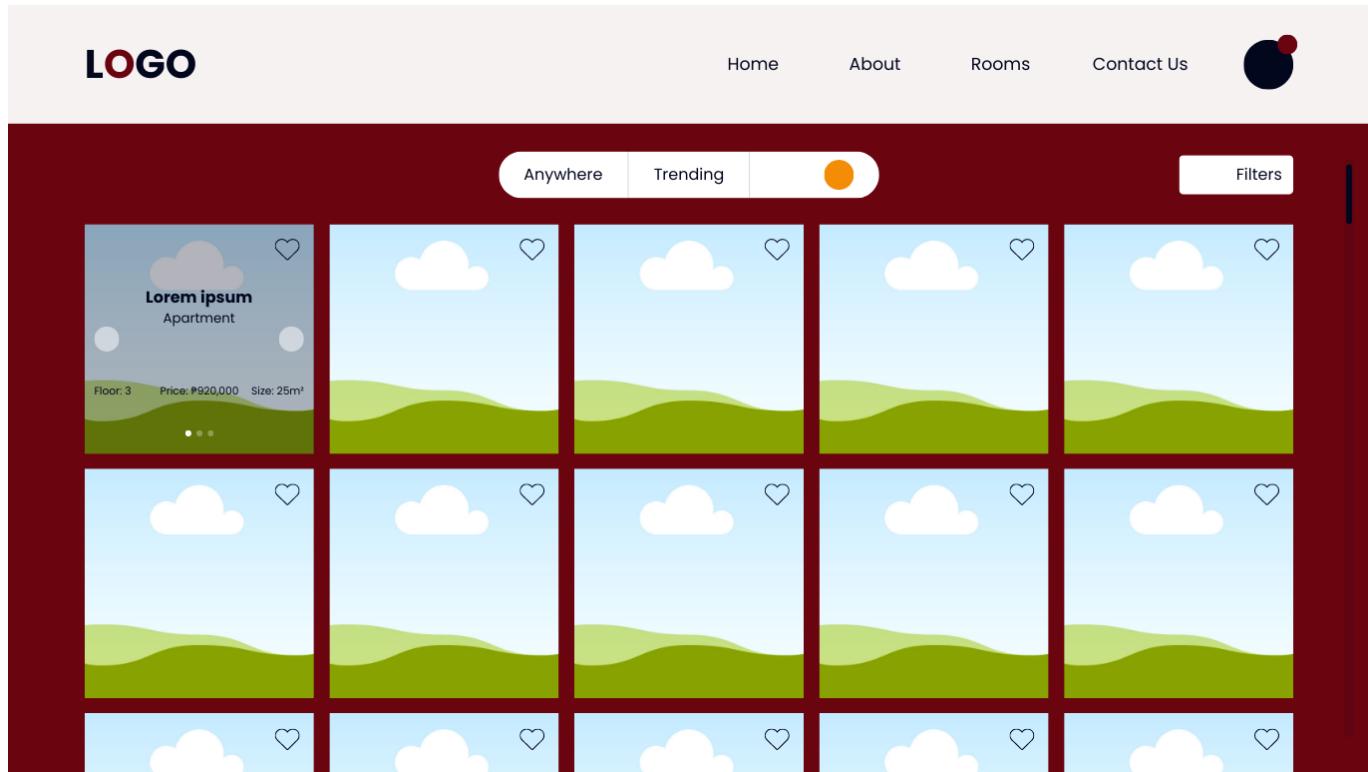
Interested in getting one? List the form below to get in touch.

Name	Role
<input type="text"/>	<input type="text"/>
Google Address	Subject
<input type="text"/>	<input type="text"/>
Message	
<input type="text"/>	
<input type="button" value="Submit"/>	

A "Contact Us" page is an essential component of any website, serving as a direct channel of communication between users and website administrators. The "Contact Us" page typically consists of a simple online form the users can fill out with their contact details, message, or query.

Once the user has submitted the form, the information is transmitted to the website's administrator or support team via Google address or a backend database. Depending on the website's size and resources, the team may respond to inquiries manually or use automated responses to acknowledge the user's message and provide a timeline for when they can expect a response.

Room list page



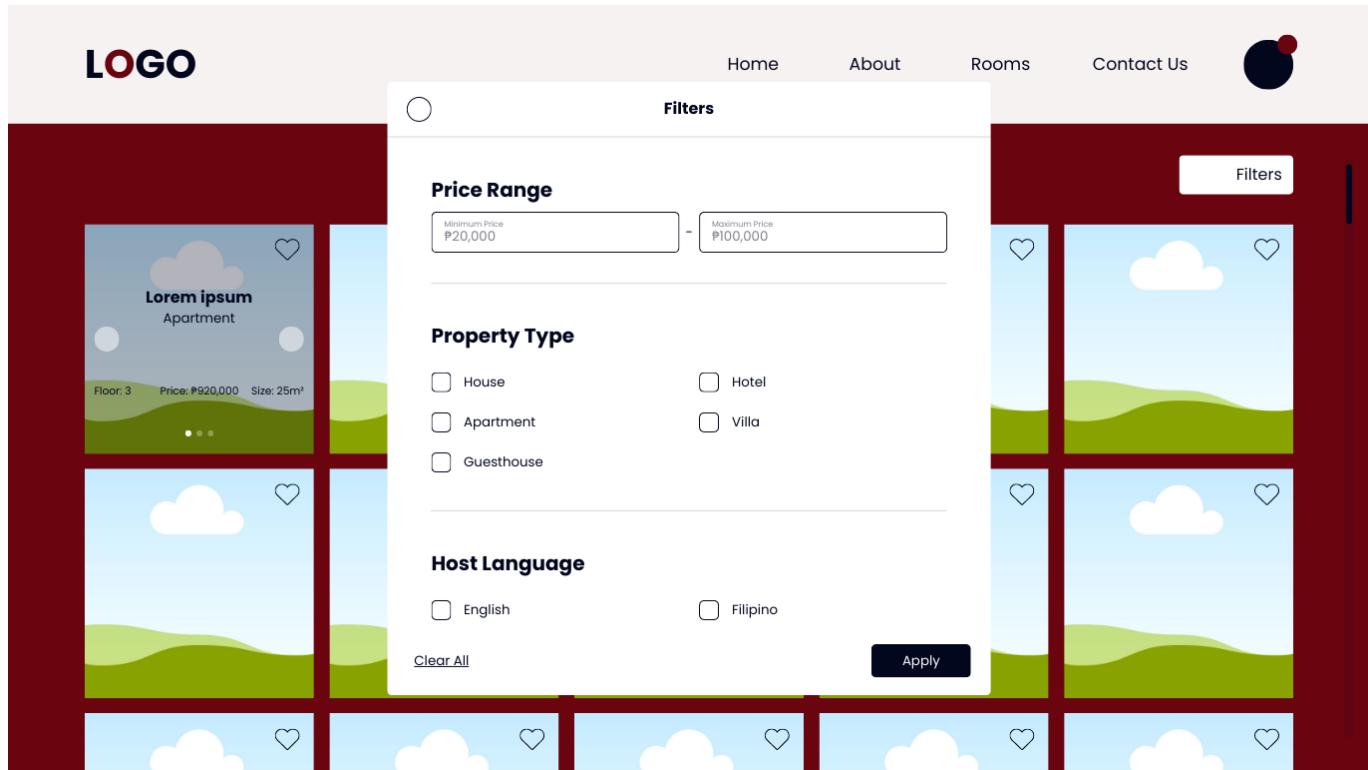
Here is the room list page, this is where visitors will be spending most of their time browsing for rooms.

When the user visits, the backend will fetch the list of rooms and display it here for the user.

The user can click on each room image to read more about each room. The user can also hover over the iamge to find out quick information about the room, they include:

1. Room number
2. Room price

Filtering controls



Here is the menu that shows in the room list page. This menu allows users to specifically choose the metadata they want to search for. Unlike the search bar that generally searches the description and room number. The controls here allows for more precise results.

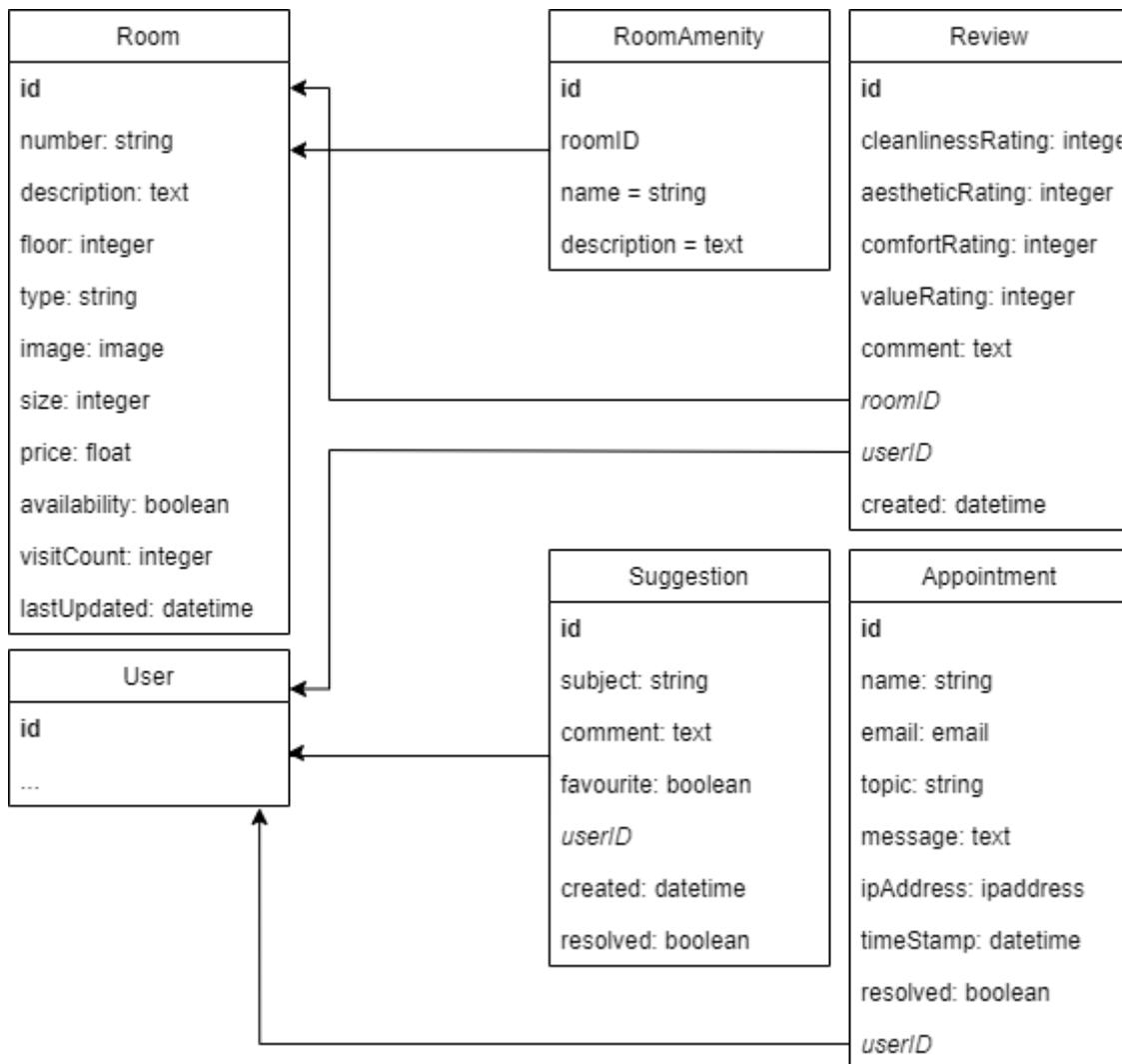
Note: The design above is just for proof of concept, it does not reflect on the actual fields that will be implemented.

The following fields that are planned to be in the menu:

1. Price range
2. Room Type
3. Room number
4. Room Description
5. Availability

Database Schema

Schema diagram



Datatype specifications

Legend

= Can be left blank

= Required to have input

= Initialized by server only

Room

Field Name	Type	Default	Required
id	Integer	Autonumber	<input type="checkbox"/>
number	Charfield(20)		<input checked="" type="checkbox"/>
description	Text		<input type="checkbox"/>
floor	Integer		<input checked="" type="checkbox"/>
type	Charfield(50)		<input checked="" type="checkbox"/>
image	Picture	None	<input type="checkbox"/>
size	integer		<input checked="" type="checkbox"/>
price	float		<input checked="" type="checkbox"/>
Room Availability	Boolean	True	<input checked="" type="checkbox"/>
viewCount	Integer	0	<input type="checkbox"/>
lastUpdated	DateTime	Date Now	<input type="checkbox"/>

RoomAmenity

Field Name	Type	Default	Required
roomID	Integer		<input type="checkbox"/>
name	Charfield(200)		<input checked="" type="checkbox"/>
description	Text		<input type="checkbox"/>

Appointment

Field Name	Type	Default	Required
id	Integer	Autonumber	<input checked="" type="checkbox"/>
name	Charfield(200)		<input checked="" type="checkbox"/>
email	Email		<input checked="" type="checkbox"/>
topic	Charfield(50)		<input checked="" type="checkbox"/>
message	Text		<input checked="" type="checkbox"/>
<i>userID</i>	Integer		<input checked="" type="checkbox"/>
ipAdress	IPAddress	None	<input type="checkbox"/>
timeStamp	Datetime		<input checked="" type="checkbox"/>
resolved	boolean	False	<input type="checkbox"/>

Review

Field Name	Type	Default	Required
id	Integer	Autonumber	<input checked="" type="checkbox"/>
cleanlinessRating	Integer		<input checked="" type="checkbox"/>
aestheticRating	Integer		<input checked="" type="checkbox"/>
comfortRating	Integer		<input checked="" type="checkbox"/>
valueRating	Integer		<input checked="" type="checkbox"/>
comment	Text		<input type="checkbox"/>
<i>roomID</i>	Integer		<input type="checkbox"/>
<i>userID</i>	Integer		<input checked="" type="checkbox"/>
created	Datetime	Date Now	<input type="checkbox"/>

Suggestion

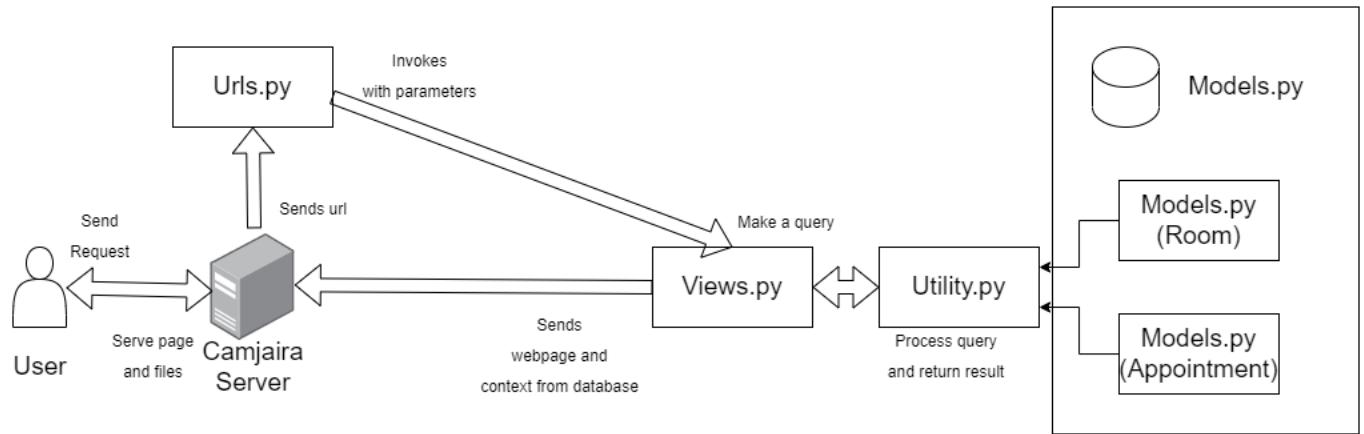
Field Name	Type	Default	Required
id	Integer	Autonumber	<input checked="" type="checkbox"/>
subject	Charfield(50)		<input checked="" type="checkbox"/>
comment	Text		<input checked="" type="checkbox"/>
favourite	boolean	False	<input type="checkbox"/>
<i>userID</i>	Integer		<input checked="" type="checkbox"/>
created	Datetime	Date Now	<input checked="" type="checkbox"/>

Field Name	Type	Default	Required
resolved	boolean	False	<input checked="" type="checkbox"/>

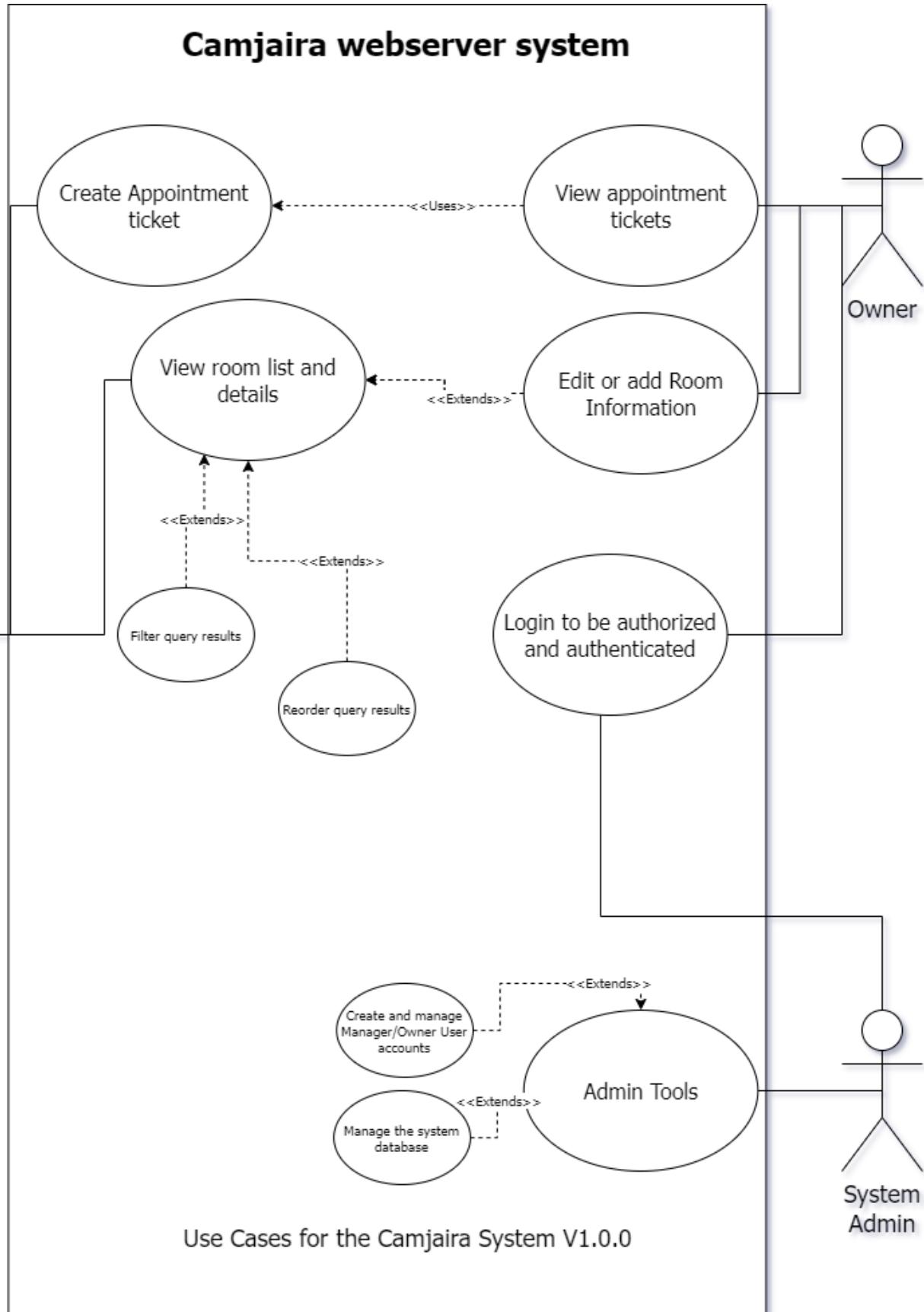
Appendices

System architecture

General structure of Camjaira system



Use case diagram



References

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