

Easy Homes Documentation:

Name	Easy Homes
Team	Group 24
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TA	Harit Patwa
Technology	Spring Boot, JPAs and ReactJs
Cloud	Heroku
Database	MySQL
Status	Completed

Problem Statement

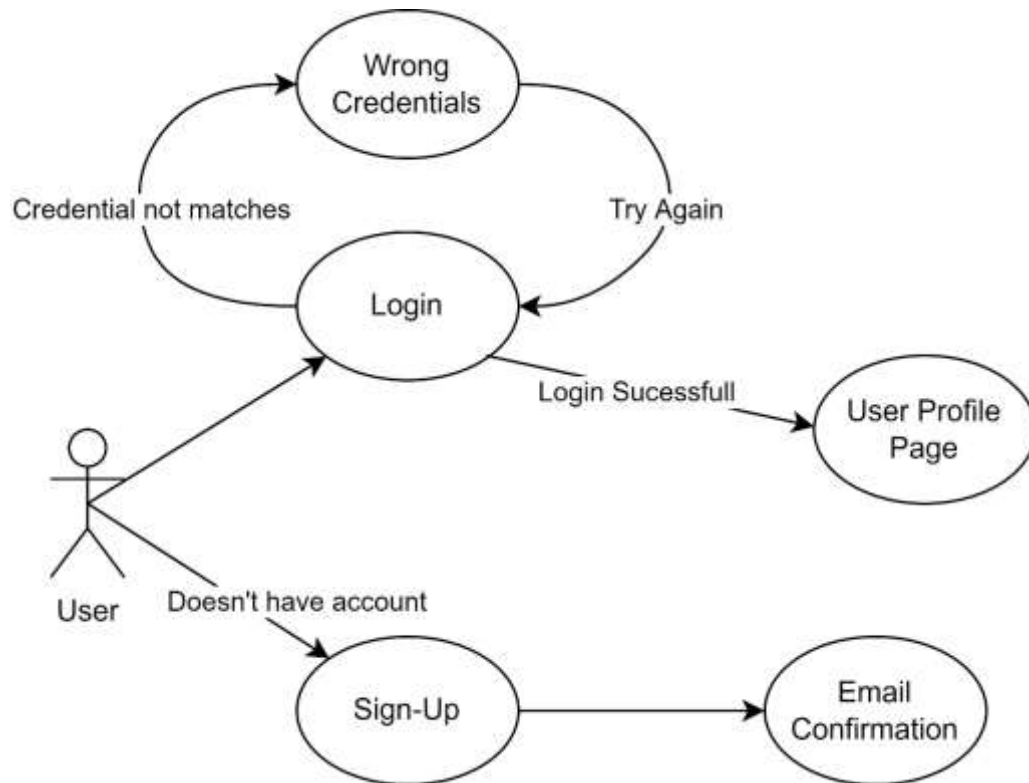
Building a web application that helps users to find the properties available for rent or sale, and the services available across the city.

Technology Used


Backend	Java with Springboot
Frontend	React Js
Cloud	Heroku
Database	MySQL

User Scenarios:

1. User Management:



Use Case Number	1
Use Case Name	User Registration
Input	First Name, Last Name, Email Address, Password
Output	The user would be sent a confirmation link to mail, which if confirmed, then User Registration will be done.
Description	To start using the service of Easy Homes, the user first needs to have an account on the Easy Homes platform. For doing this, there is a button on a login




Sign in

☐ Remember me

SIGN IN

[Don't have an account? Sign Up](#)

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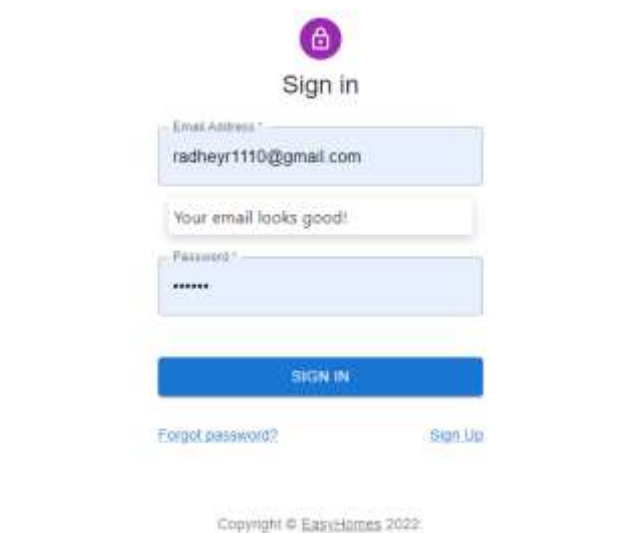
Sign up


SIGN UP

[Already have an account? Sign in](#)

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Use Case Number	2
Use Case Name	Login
Input	Email address, Password
Output	The user would be logged in and sent to the dashboard after he/she enters the correct email and password.
Description	To start using the services of Easy Homes, the user must be logged in first. Whenever the user goes to easy homes, he/she will be prompted to log in. After entering the correct email id and password, the user would be logged in successfully and sent to the Dashboard where he/she can start using the features of Easy Homes




Sign in

Email Address *

radheyr1110@gmail.com

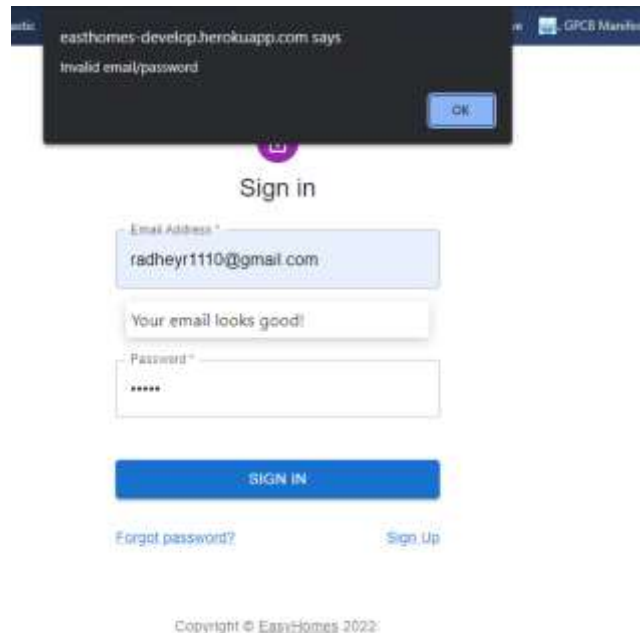
Your email looks good!

Password *

SIGN IN

[Forgot password?](#) [Sign Up](#)

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easthomes-develop.herokuapp.com says:
Invalid email/password

Sign in

Email Address *

radheyr1110@gmail.com

Your email looks good!

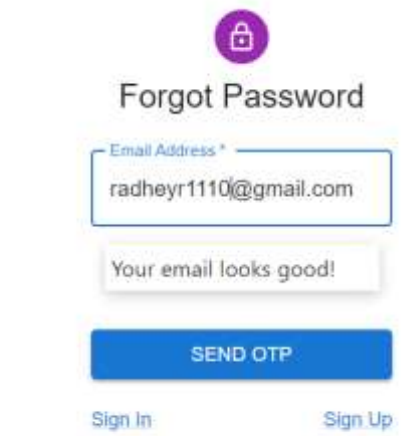
Password *

SIGN IN

[Forgot password?](#) [Sign Up](#)

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Use Case Number	3
Use Case Name	Forgot Password
Input	Email Address
Output	OTP is mailed, which needs to be entered to reset the password.
Description	Sometimes it happens, that the user forgets the password, which was set by him, Taking the scenario into consideration, the forgot password feature has been kept so that, if it happens, the user can reset the password set by him/her, to start using the features of Easy Homes, without losing their confidential data saved in their account.



The image shows a 'Forgot Password' form. At the top is a purple circular icon with a white padlock. Below it is the title 'Forgot Password'. There is a text input field labeled 'Email Address *' containing the email 'radhey1110@gmail.com'. Below the input field is a light green message box that says 'Your email looks good!'. Underneath is a blue button labeled 'SEND OTP'. At the bottom are two links: 'Sign In' and 'Sign Up'.

Forgot Password


Email Address *

radhey1110@gmail.com

Your email looks good!

SEND OTP

[Sign In](#) [Sign Up](#)



The image shows an 'Enter OTP' form. At the top is a purple circular icon with a white padlock. Below it is the title 'Enter OTP'. There is a text input field labeled 'Enter OTP *' with a cursor inside. Below the input field is a grey button labeled 'SUBMIT'. At the bottom are two links: 'Login' and 'Don't have an account? Sign Up'.

Enter OTP

Enter OTP *

SUBMIT

[Login](#) [Don't have an account? Sign Up](#)

OTP Inbox X



24.easyhomes@gmail.com
to me ▾

Welcome to EasyHomes

Hello,

This is your OTP:

64860

↩ Reply

➦ Forward



Enter New Password

Enter New Password *

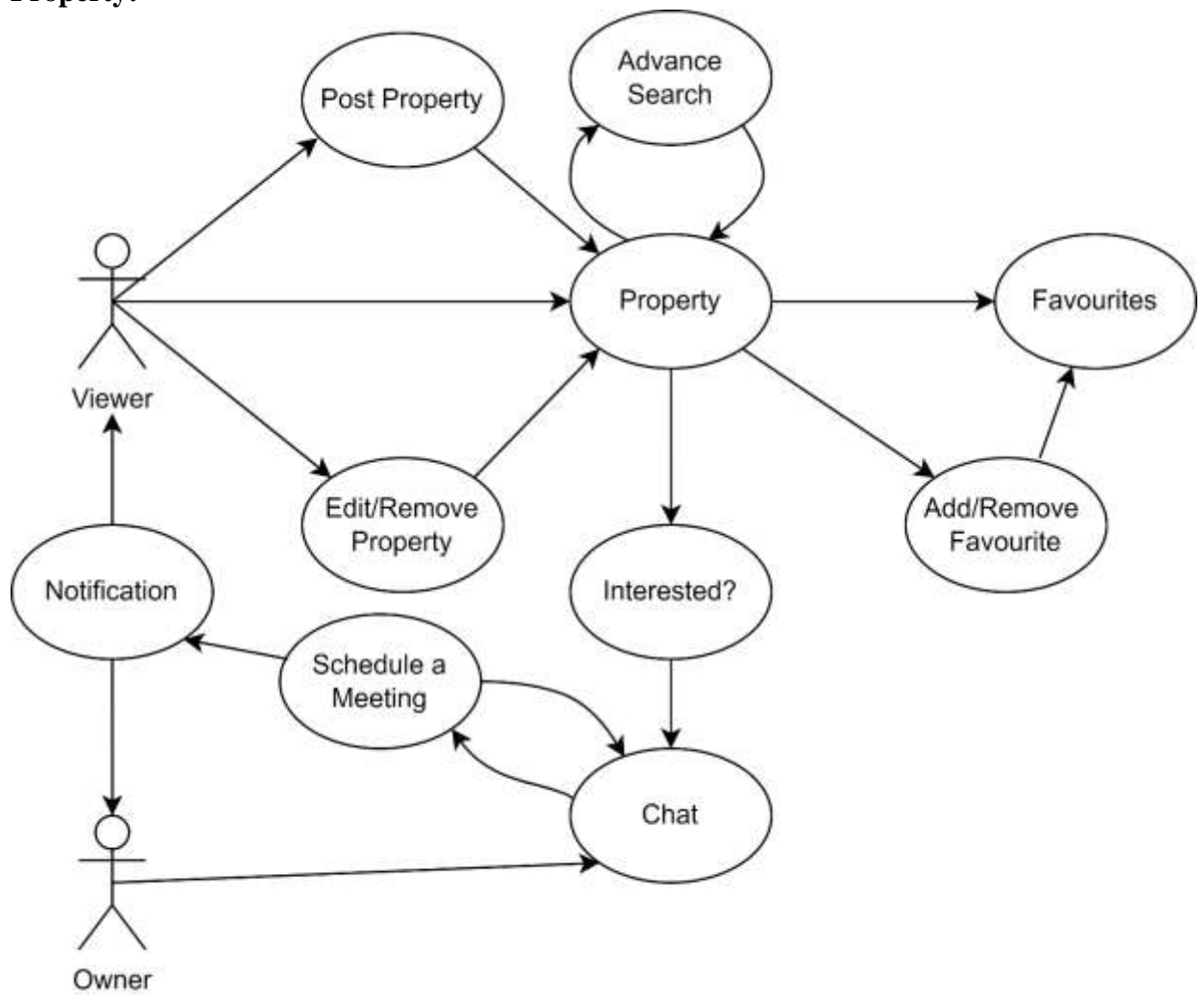
Confirm Password *

SUBMIT

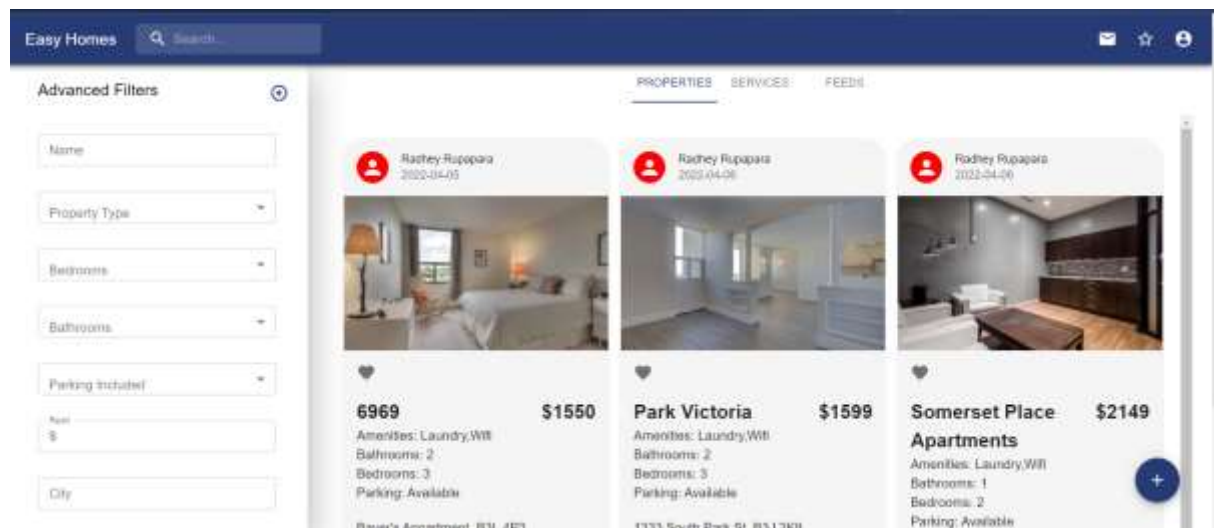
[Login](#)

Don't have an account? [Sign Up](#)

2. Property:



Use Case Number	4
Use Case Name	Properties Dashboard
Input	Login
Output	Users can access all properties listed on the Easy Homes platform.
Description	Once the user Enters the Easy Homes platform, he can start using the features of Easy Homes. By default, he/she will be on the property page. All the properties available for rent or sale can be seen here. Users can add a post for the property available for sale or rent if he has any.



Use Case Number	5
Use Case Name	Post a property
Input	Property Name, Property Type, Bedrooms#, Rent, Amenities, Address, Images
Output	The property would be added to the feed.
Description	If the user has property available for rent or sale, then he/she can fill in all the details available and useful for other users to get information about the property. After the successful posting of the property, all the users on the easy homes platform can see the post for the property added by the user.

Use Case Number	6
Use Case Name	Edit/Delete a property
Input	Property Name, Property Type, Bedrooms#, Rent, Amenities, Address, Images
Output	The property would be modified or deleted.
Description	If the user made some mistake or some details of the property change in the future. The user has the facility to modify the changes to the property. Also, if the need of selling or renting a property is gone, then the user can delete the post of the property so that, other users can't query about the sold property.

Add Property

Property Name * Property Type

Bedrooms Bathrooms

☒ Parking Included Rent \$

Amenities

☒ Laundry Services

☐ Free Wifi


Property Address

Property Location * City *


Province * Country *


Postal Code *

Use Case Number	7
Use Case Name	Adding property or services to favorite
Input	Click the heart button on the service or property.
Output	The property or service will be sent to your favorite list menu
Description	If the User likes some property or service and needs to keep that service or property saved for using it in the future, then he/she can save that service or feature to a favorite, so that it can be used by them in the future.



Radhey Rupapara
2022-04-05





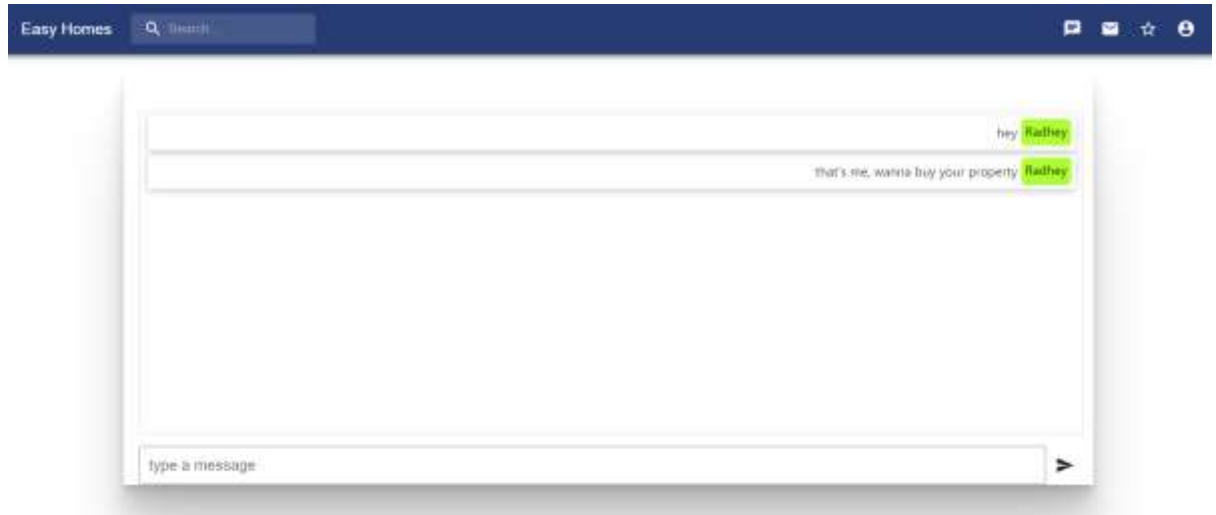
6969
\$1550

Amenities: Laundry,Wifi
Bathrooms: 2
Bedrooms: 3
Parking: Available

Bayer's Apartment ,B3L 4P3

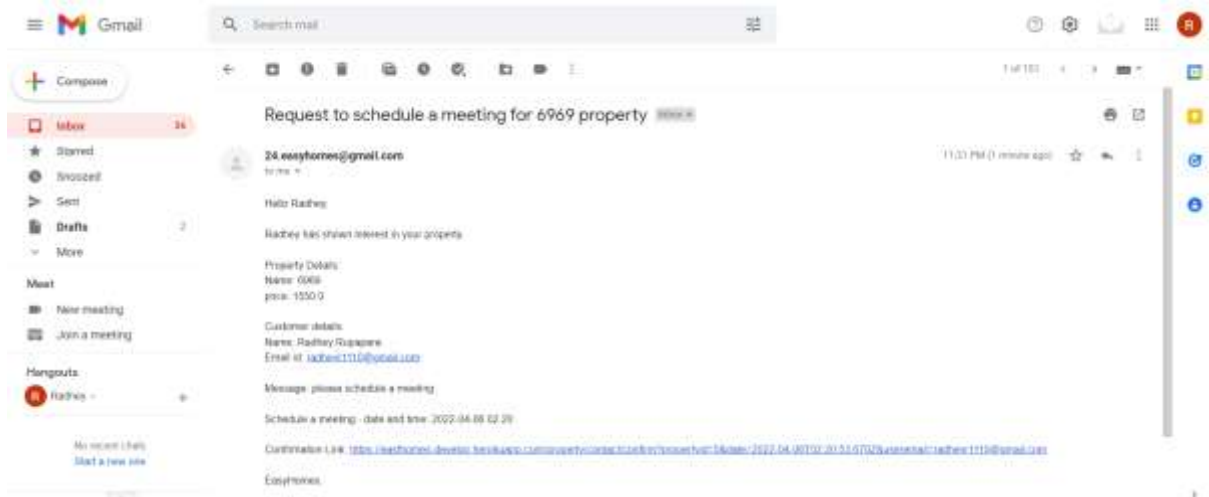
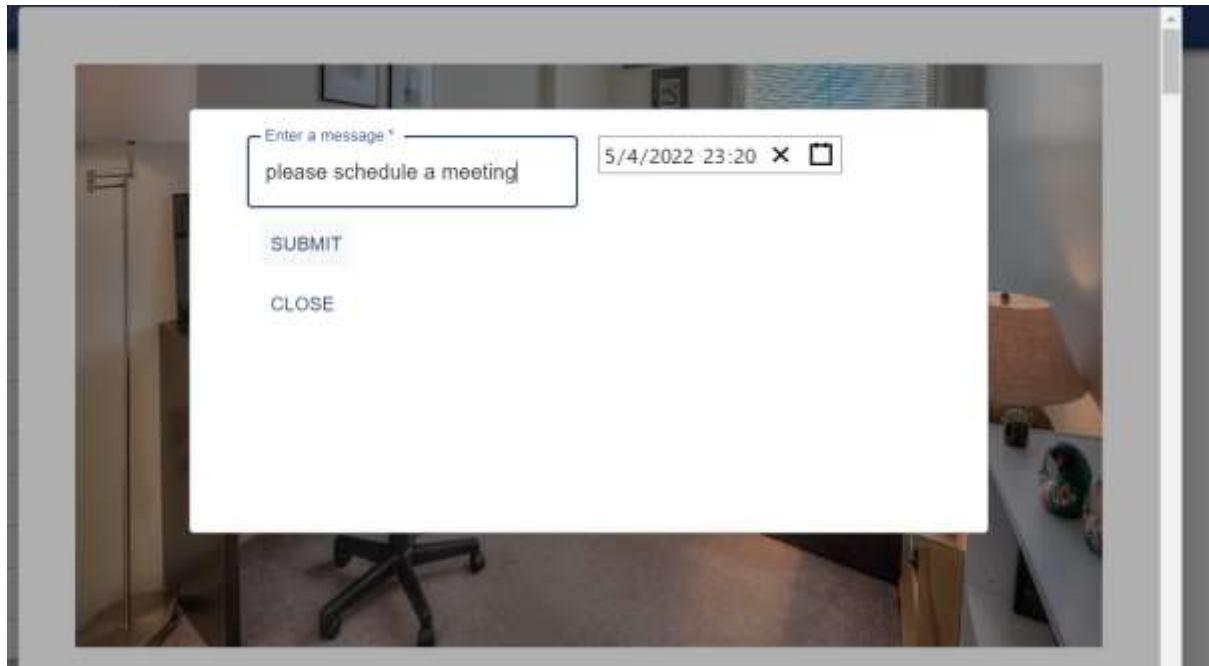
Use Case Number	8
Use Case Name	Removing property or services from favorite
Input	Hit the cancel button from the favorite list for the property or service.
Output	The property or service would be removed from the property.
Description	If the user no longer needs the property or service to be saved in the favorite list, then he/she could just remove it by hitting the cancel button seen in the favorite list. And the property or service would be removed from the

Use Case Number	9
Use Case Name	Chat between customer and owner
Input	Message
Output	Message
Description	If the user finalizes any property or service and needs to enquire about the same for the owner then they both could chat about it in the chat section.

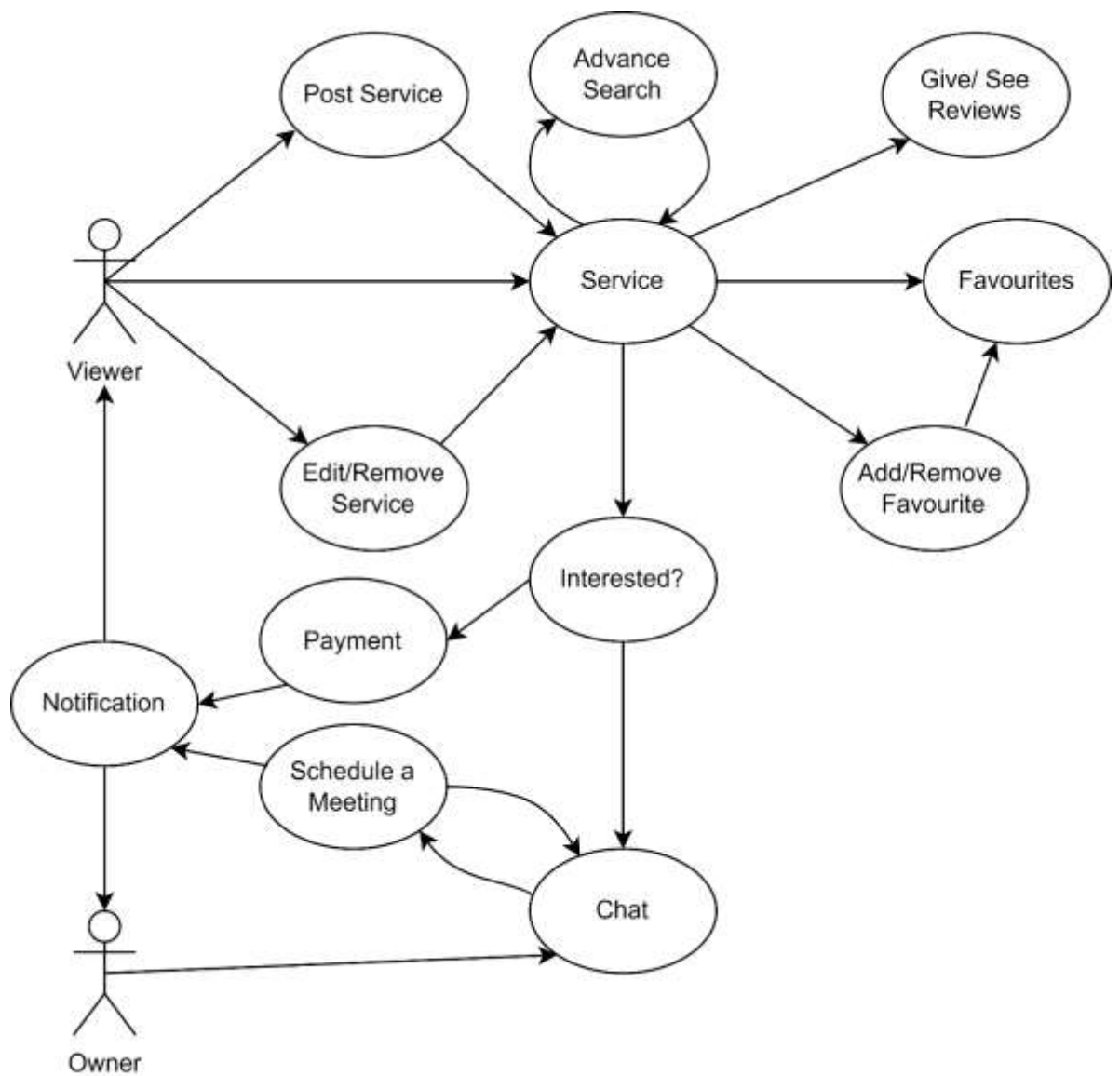


Use Case Number	10
Use Case Name	Advanced Search for a property using the filter option
Input	Property Name, Property Type, Bedrooms#, Rent, Amenities, Address, Images
Output	Filtered Search
Description	If the user has some requirements for the property, then he/she can filter the properties according to their need. By doing this, he/she could see just the properties that he needs. The user just needs to enter his requirements on the left side of the page.

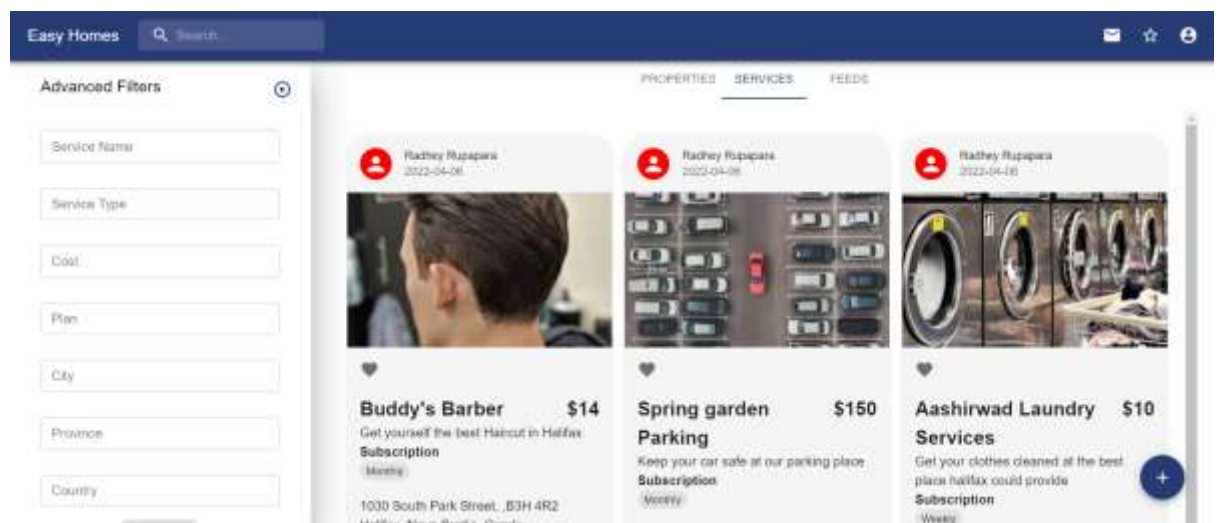
Use Case Number	11
Use Case Name	Notification for scheduling a meeting for a property deal
Input	Buy a property
Output	Notification in mail
Description	Email Notification on buying property will be sent to the user.



3. Services:



Use Case Number	12
Use Case Name	Services Dashboard
Input	Clicking on the Services button which appears at the top center.
Output	Users can access all services listed on the Easy Homes platform.
Description	After clicking on the service button, the user will be taken to the service page which will display all the services that are registered on the Easy Homes platform. All these services can be seen viewed used and can be reviewed. If the user wants to add a new service, he can also add that.



Use Case Number	14
Use Case Name	Service Reviews
Input	Click on Learn more in Services and scroll down
Output	Users can view the reviews
Description	To choose between the same service provided by different users, the user needs to compare bee services. It can be done by seeing the reviews which share the experience of the previous users who used the particular service.

Reviews

Amazing Hair cut



What an amazing haircut, it provides,

Posted on: 2022-04-06

Use Case Number	15
Use Case Name	Give Reviews to Service
Input	Subject, Description, Rating
Output	Seen by other users, to judge the service
Description	The services available in the market need to be reviewed so that other people come to know about, how was the review of the service. Through this, they can decide whether to utilize the service or not.



SUBMIT A REVIEW

Use Case Number	16
Use Case Name	Edit/Delete a Service
Input	Service Name, Service Type, Service Cost, Plan, Description, Address, Images.
Output	The Service would be modified or deleted.
Description	If the user made some mistake or some details of the services change in the future. The user has the facility to modify the changes to the services. Also, if the user is no longer providing the service, the service can be removed from the platform by the user so that no one else can enquire about that service.

Use Case Number	17
Use Case Name	Buying a Service using PayPal
Input	Use PayPal to do transaction
Output	Service would be bought
Description	If anyone user needs to buy any service for him/her, he could use this feature.



Use Case Number	18
Use Case Name	Advanced Search for service using the filter option
Input	Service Name, Service Type, Service Cost, Plan, Description, Address, Images.
Output	Filtered Search
Description	If the user has some requirements for the service, then he/she can filter the services according to their need. By doing this, he/she could see just the services that he needs. The user just needs to enter his requirements on the left side of the page.

Advanced Filters

Service Name

Service Type

Cost

14

Plan


City

Province

Country

Radhey Rupapara

2022-04-06



Buddy's Barber

\$14

Get yourself the best Haircut in Halifax

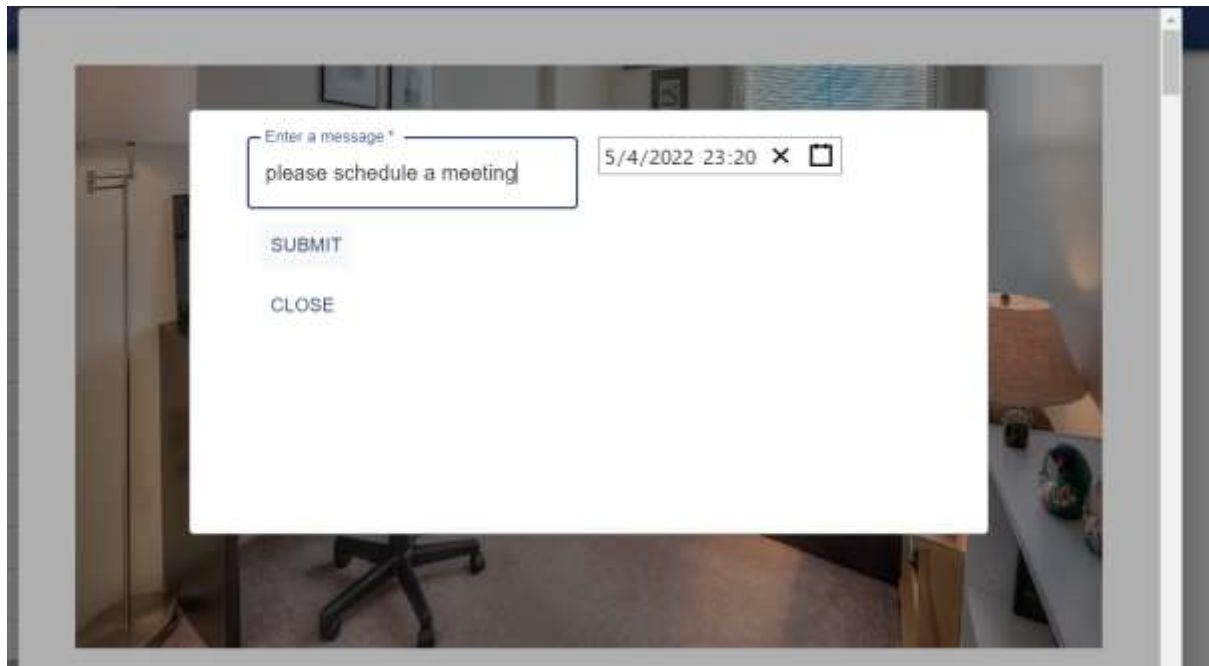
Subscription

Monthly

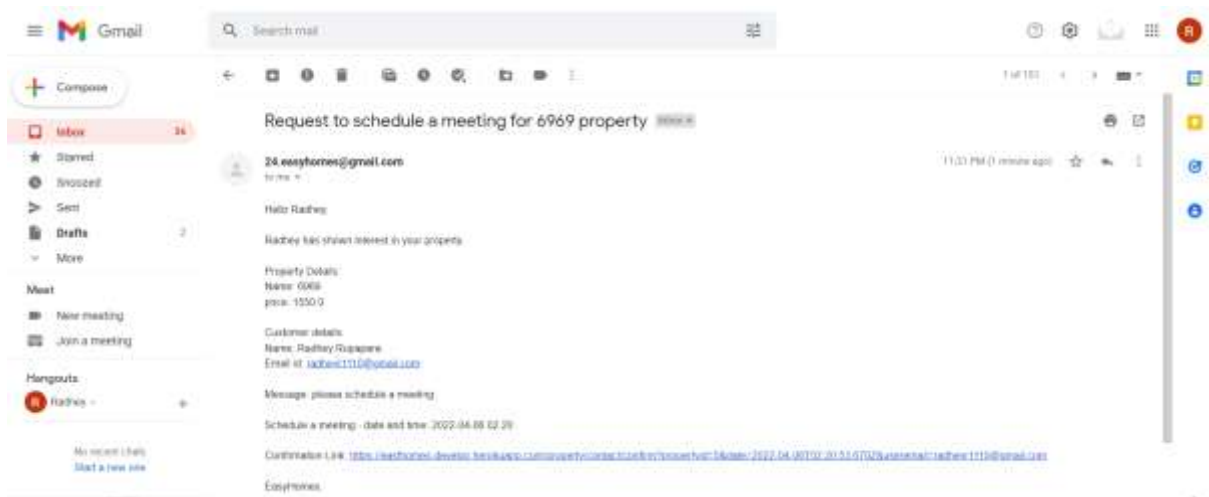
1030 South Park Street, B3H 4R2

Halifax, Nova Scotia, Canada

Use Case Number	19
Use Case Name	Book an appointment for service
Input	Select time to book an appointment
Output	The appointment would be booked
Description	If the user needs to use a service, he/she needs to book the appointment first for the service. To book the appointment, the user needs to go to book the appointment button and then select the time he needs to book an appointment



Use Case Number	20
Use Case Name	Notification for booking an appointment
Input	Book Appointment
Output	The user will receive an email for an appointment confirmation
Description	Whenever the user books an appointment for the service he/she will be notified with mail by a confirmation email.



Use Case Number	21
Use Case Name	Notification for buying a service
Input	Buy a service
Output	Notification in mail
Description	Email Notification on buying service will be sent to the user.

Use Case Number	22
Use Case Name	Logout
Input	Click on Logout
Output	The user would be logged out.
Description	When the user is done with his work in Easy Homes, he/she can just press the logout button so that he/she would be logged out from the Easy Homes platform.

