

Project Title

Ghaready - Real Estate Web Application

Minor Project - B.E, Computer Engineering

Far Western University, SOE

Presented By: Team Ghaready

Date: 2081/07/25

www.project.ghaready.com



Team Members

Presentation Flow and
Overview of Today's
Presentation

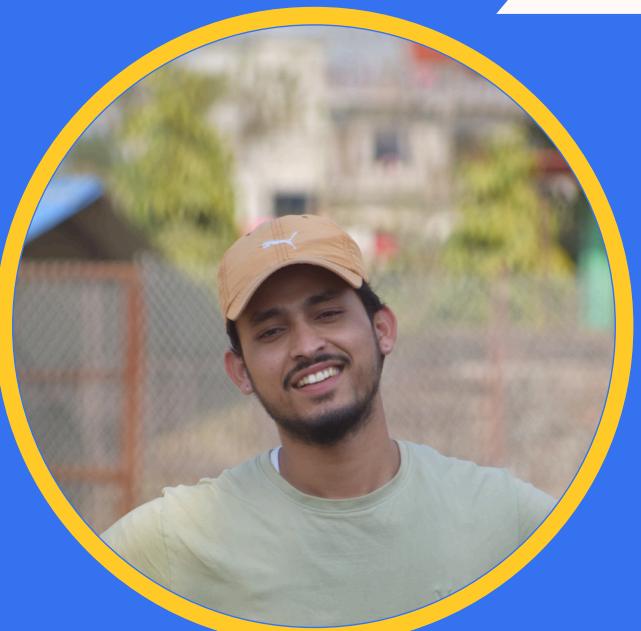


Bhuwan Chand
Front End Developer
#1: Introduction



Pankaj Joshi
Project Manager

**Project Overview
and Demonstration**



Rajendra Pd. Joshi
System Design
**#3: System Design
and Development**



Ishwar Nath
Back End Developer
**#2: State of the
Art [SOTA]**



Bhawana Chand
UIUX Designer
**#4: Result and
Conclusion**

Section #1

Introduction

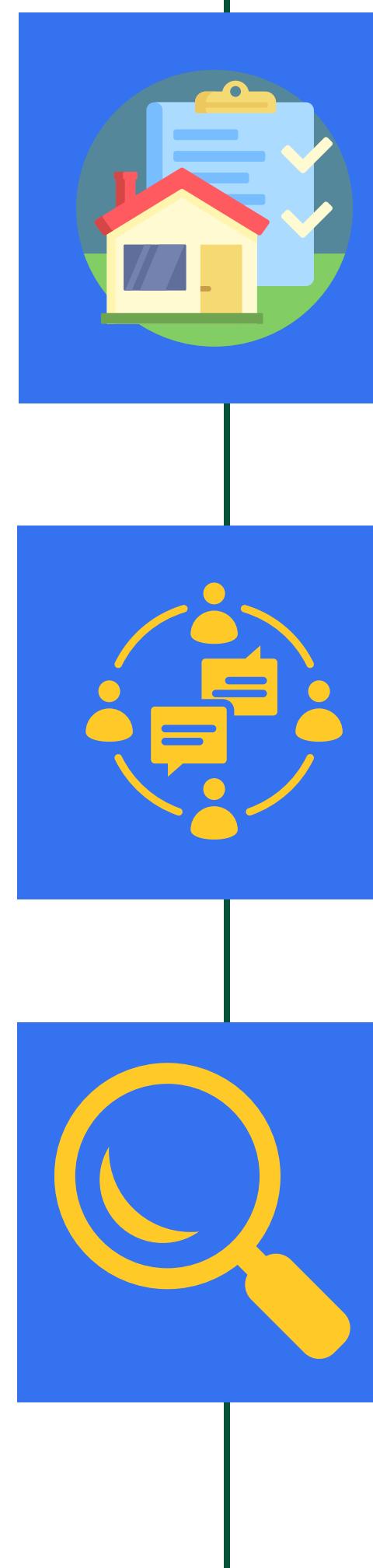
- Ghaready: A Real Estate Platform for Efficient Property Management
- Key features include: Property listing creation, image uploads, search functionality, profile management, and direct contact with landlords.

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The platform aims to bridge the gap between landlords and tenants by providing seamless interaction, reliable property details, and transparent listing management.

WEBSITE
FOR
RENT



#1 Difficulty in Finding Trustworthy Listings

Users often encounter fake or outdated listings, leading to frustration and time wasted in their search for suitable properties.

#2 Lack of Communication Between Landlords and Tenants:

The absence of a seamless communication channel creates delays in responding to inquiries, resulting in missed opportunities and inefficient negotiations.

#3 Inefficient Search and Filtering

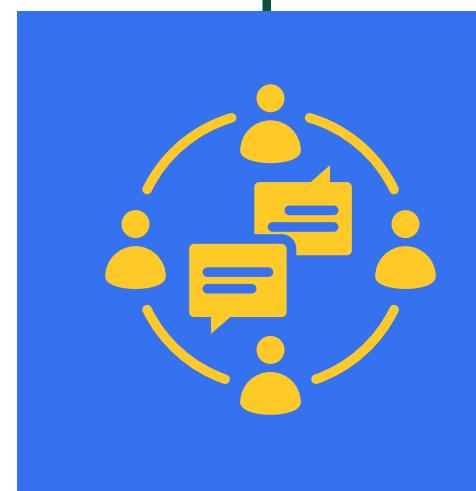
Tenants struggle to find properties that match their preferences due to poor filtering options, leading to a longer search process and dissatisfaction.

GHAREADY PROPERTY LISTINGS



#1 Reliable and Up-to-Date Listings

Ghaready ensures property listings are accurate, current, and regularly updated, helping users find trustworthy information.



#2 Direct Tenant-Landlord Communication

The platform enables immediate, direct contact between tenants and landlords, streamlining inquiries and negotiations without any intermediaries.



#3 Advanced Search and Filtering Functionality

Ghaready offers robust search filters based on various property features, allowing users to easily find properties that match their exact needs and preferences.

WHY GHAREADY?



Make the connection between tenants and landlords faster and more direct.



Focus on creating an intuitive interface that enhances the user experience.



Simplifies property management and improves the rental process for both tenants and landlords.

Section #2

State of the Art [SOTA]



Key Takeaways:

- While there are established players in the real estate market, they lack a comprehensive, user-friendly solution that integrates both property listings and direct communication between landlords and tenants.
- Ghaready aims to fill this gap by combining an intuitive UI, up-to-date listings, and seamless user interaction, ensuring both tenants and landlords benefit from a more connected and efficient process.

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Major Objectives



Property Listing Management

To provide a user-friendly platform for landlords to easily create, manage



Enhanced User Experience

To offer a personalized and seamless browsing experience for users



Efficient Communication

To enable direct communication between landlords and potential tenants



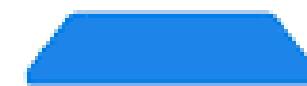
Data Privacy and User Control

To prioritize user privacy and data security by allowing users to customize their profiles

Existing Real Estate Platforms



Opendoor



Current Trends in Real Estate



Digital Platforms

Real estate is increasingly moving online, with platforms offering virtual tours, easy search, and direct communication.

Eco-Friendliness

Demand for sustainable, energy-efficient homes is growing as buyers prioritize green building designs and low energy use.

Remote Work

More people seek properties with home office spaces, leading to a shift towards suburban and rural areas.

Co-Living

Shared spaces appeal to young professionals, offering affordable, community-oriented living with shared amenities and flexible leases.

Data Analytics

Investors use data to assess market trends, identifying promising areas for investment and optimizing returns.

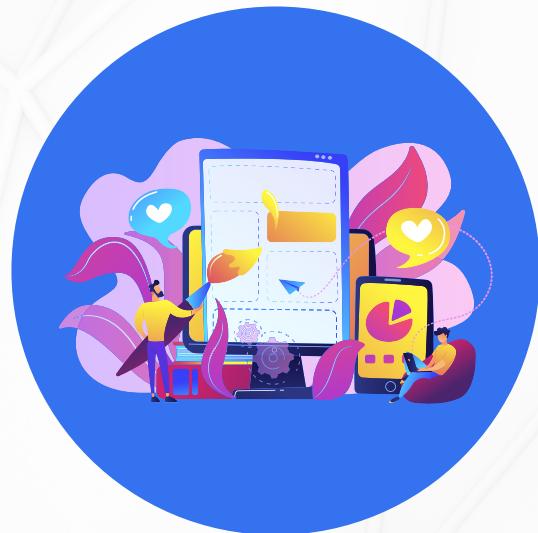
Section #3

System Design & Development

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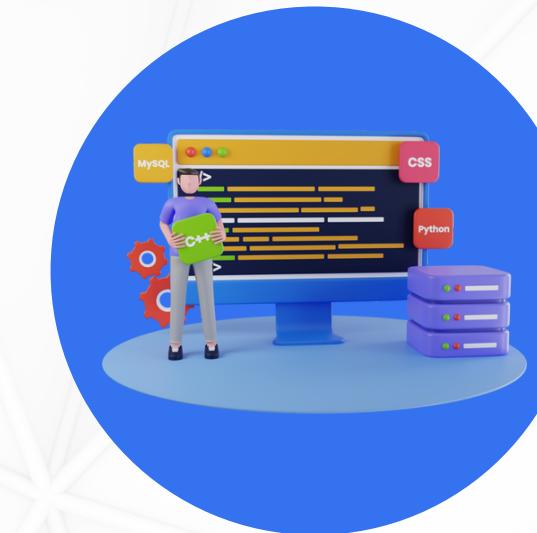


SYSTEM ARCHITECTURE OVERVIEW



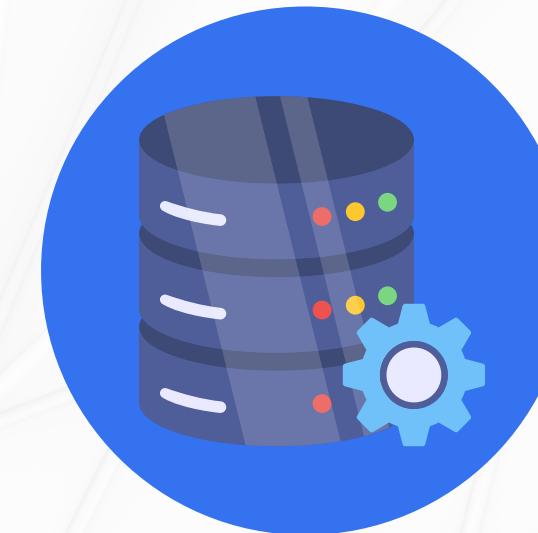
FRONTEND

Built with Vite and React for a responsive UI.



BACKEND

Node.js and Express to manage user data and listings.



DATABASE

MongoDB for storing user profiles, listings, and images.

Frontend Development



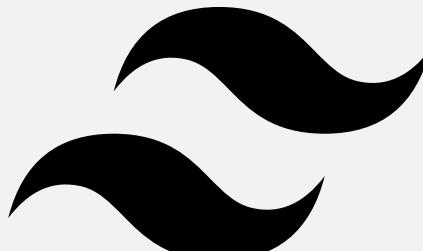
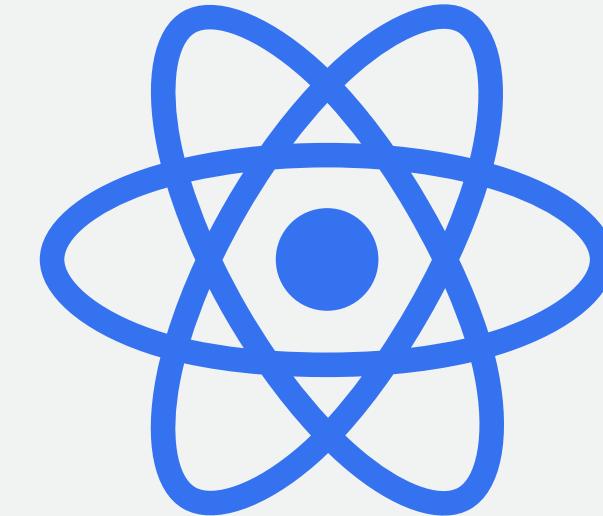
Built using React for dynamic UI rendering, providing users with a responsive and interactive experience.



Vite as the build tool, ensuring fast development and optimized builds for a smooth user interface.



Use of Tailwind CSS for styling elements to create a clean, user-friendly design.



Backend Development



Node.js and Express for building a RESTful API, allowing smooth communication between frontend and backend.



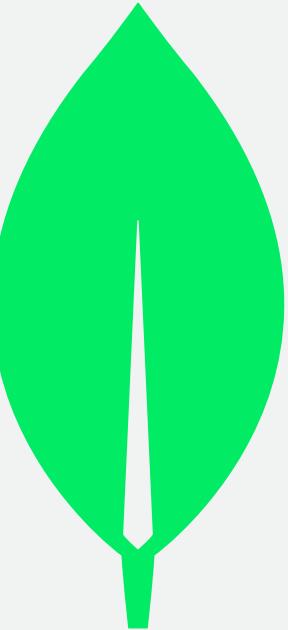
MongoDB for the database, chosen for its flexibility with schema and scalability for growing data requirements.



Firebase: For authentication, database, and secure data handling; also facilitates image storage for listings



Insomnia: API testing tool used to validate endpoints during development and ensure smooth functionality across services.



KEY FUNCTIONALITIES



AUTHENTICATION

Secure sign-in/sign-up



SEARCH

Users can search and filter listings based on location and price



LISTINGS

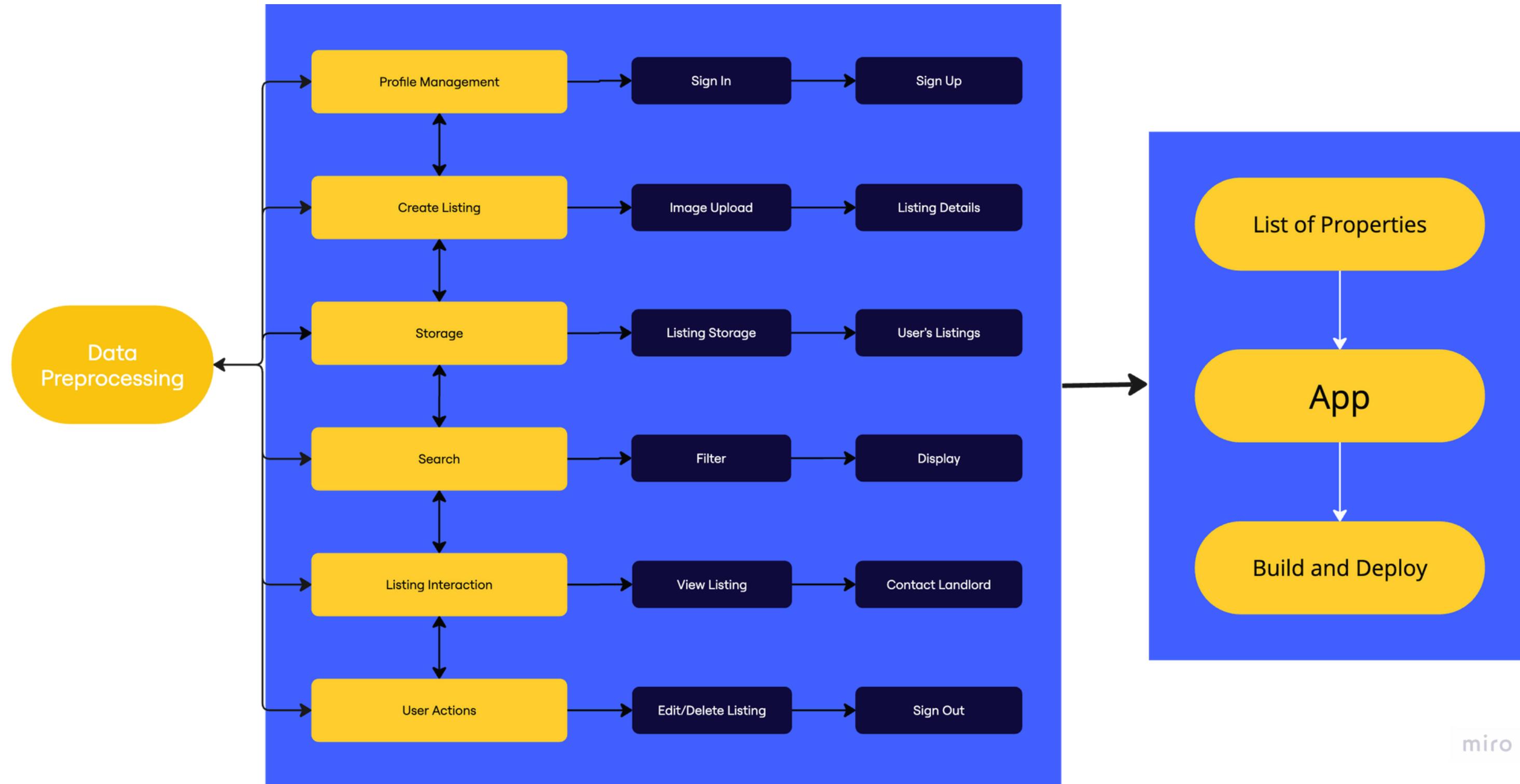
Create listings of your property



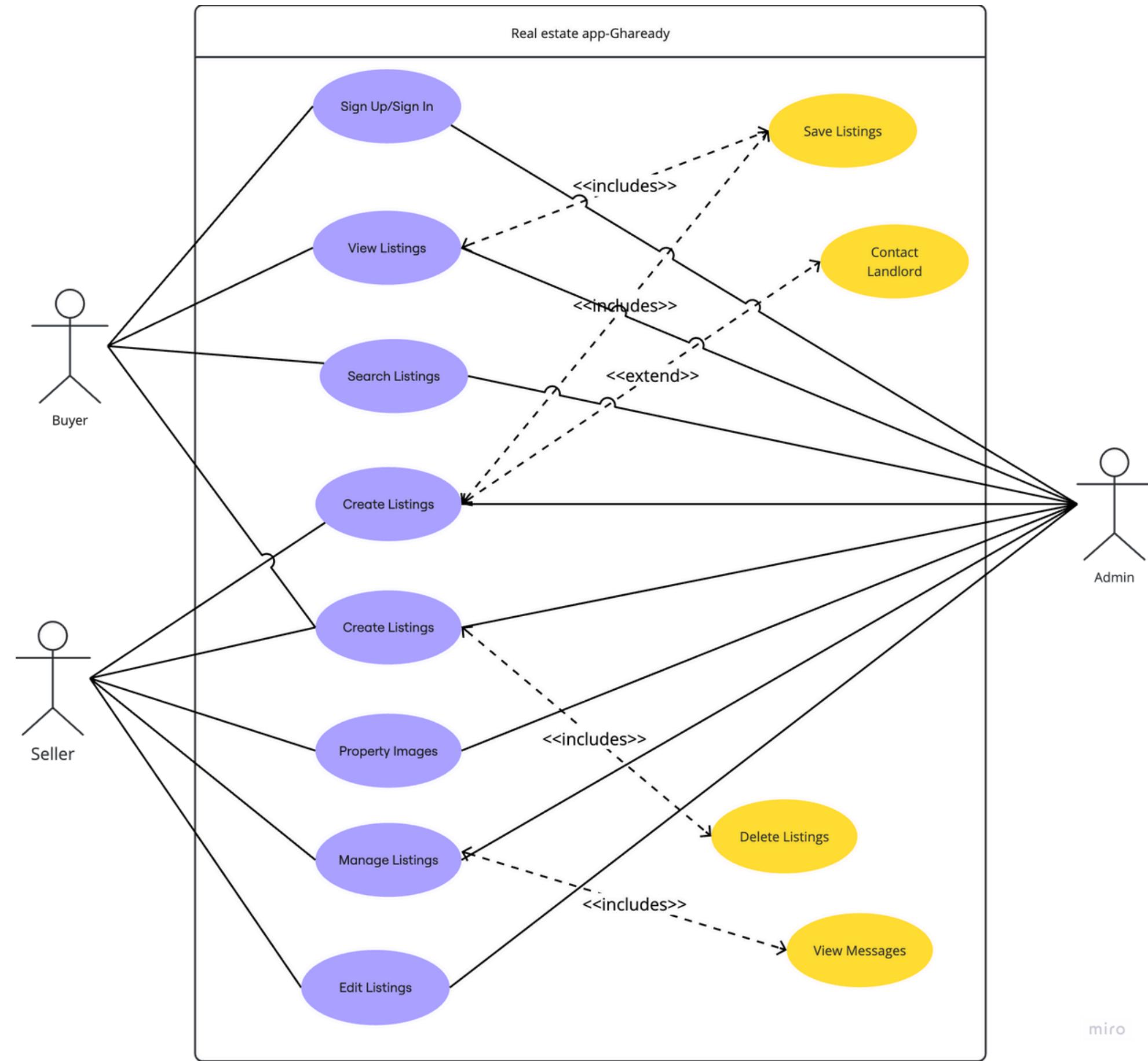
CONTACT

Connect directly with landlords.

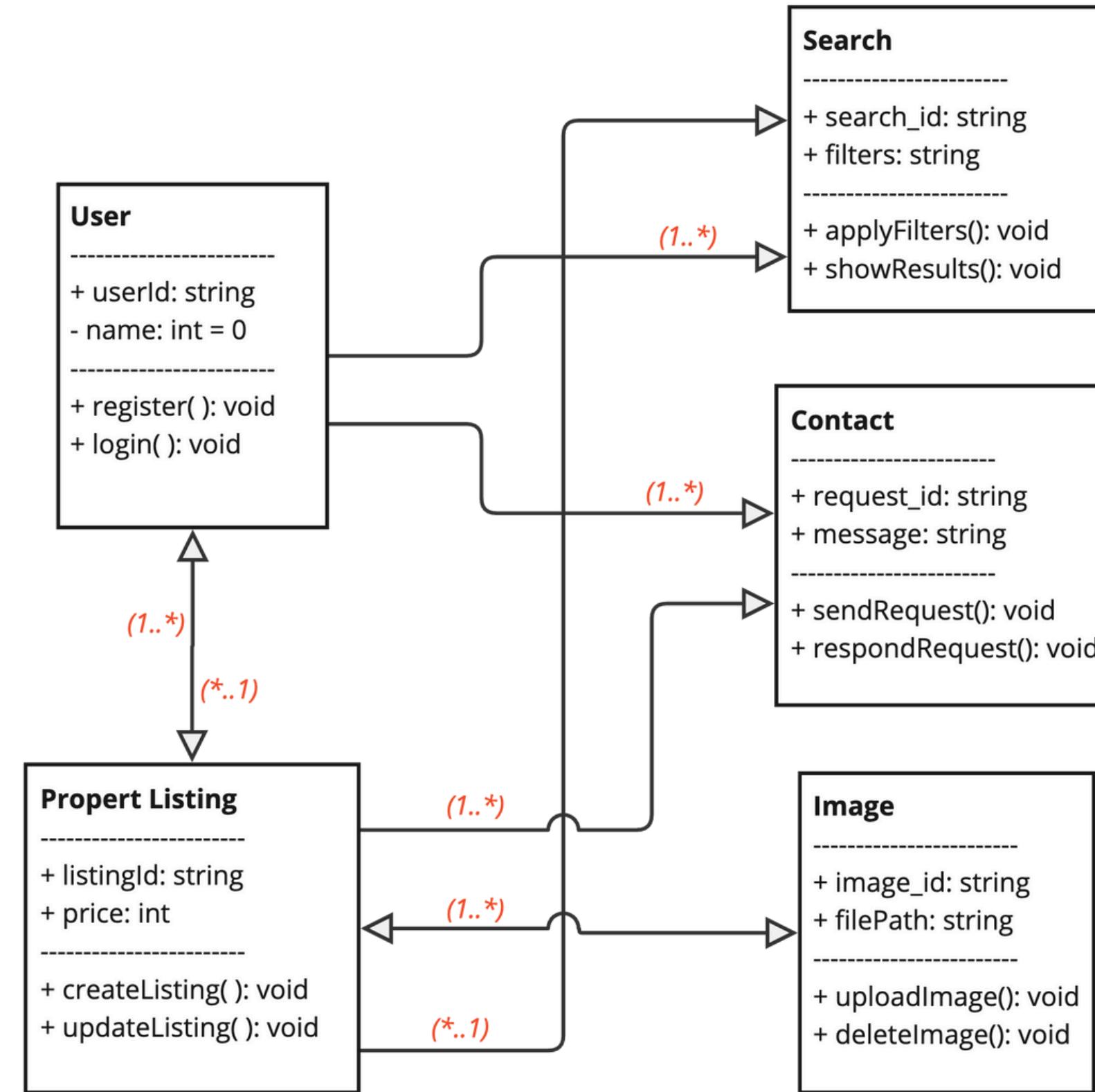
BLOCK DIAGRAM



USE CASE DIAGRAM



CLASS DIAGRAM



Section #4

Results and Conclusion



RESULTS



SYSTEM PERFORMANCE

The app successfully filters and returns relevant property listings based on user-selected criteria, showcasing the efficiency of the search functionality.



USER EXPERIENCE

The UI design, along with smooth navigation and interactive elements, has made the platform easy for users to navigate and manage properties.



TESTING AND VALIDATION

Insomnia was used extensively for endpoint testing, ensuring data flow integrity between frontend and backend.

Sign Up

[SIGN UP](#)[CONTINUE WITH GOOGLE](#)

Have an account? [Sign In](#)



Sign In

[SIGN IN](#)[CONTINUE WITH GOOGLE](#)

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



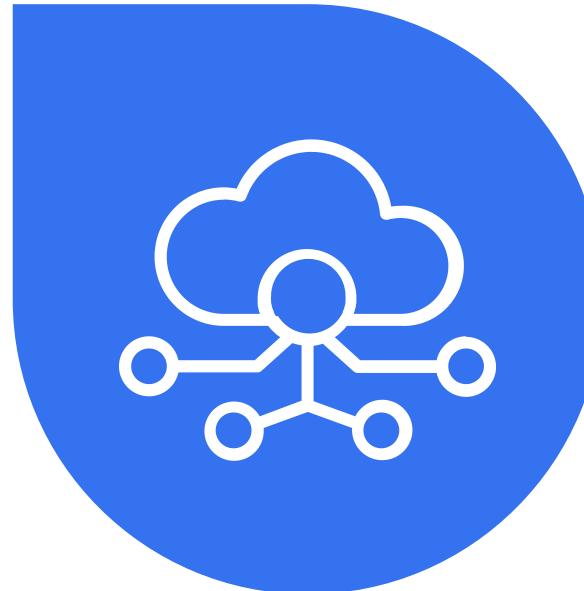
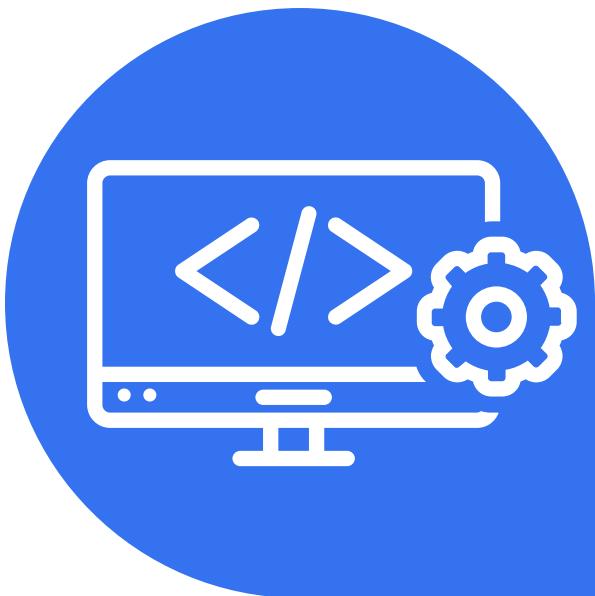
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Discover properties that match your style and budget, in the locations you desire. Let us help you make the right move with our extensive listings and expert advice.

[Explore Properties](#)

Key Achievements

- Successfully implemented a user authentication and property listing management system.
- Built a dynamic search and filter system that caters to specific user needs.
- Provided a scalable foundation for future features, ensuring the app can evolve with additional functionalities.





PROJECT SUMMARY

Ghaready effectively addresses the need for a streamlined, user-friendly real estate platform, enabling users to list, browse, and contact landlords directly, all within a secure environment.

WHAT WE LEARNED



System Design

Understood how structured system design streamlines development, improves functionality, and minimizes future bugs.



Database

Gained hands-on experience in database design and how it supports data efficiency, security, and scalability.



UI/UX

Learned how intuitive and user-friendly design directly impacts user satisfaction and engagement with our platform.



Project Management

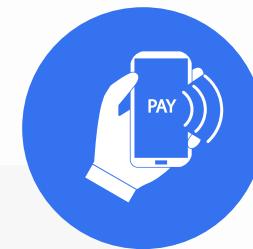
Strengthened time management and team collaboration, crucial for coordinating tasks, meeting deadlines, and achieving goals.

FUTURE ENHANCEMENTS



Advanced Search

Enable more refined property searches, such as price range, location radius, and specific amenities.



Payment Integration

Create a ticket in the IT service management (ITSM) system for each service request.



Mobile App Development

Expand platform accessibility by developing a mobile version to meet user demands for on-the-go access.



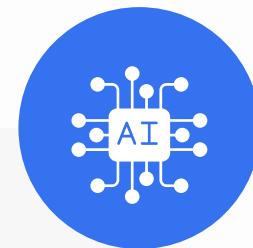
Chatbot Support

Develop an AI chatbot to assist users with queries, improving accessibility and response time.



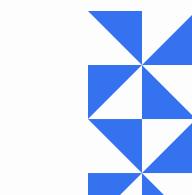
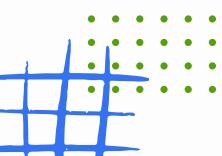
Advanced Analytics

Introduce data analytics tools to track user engagement and trends, supporting targeted features and continuous improvement.



AI-Powered Recommendations

Integrate AI to provide users with personalized property recommendations.

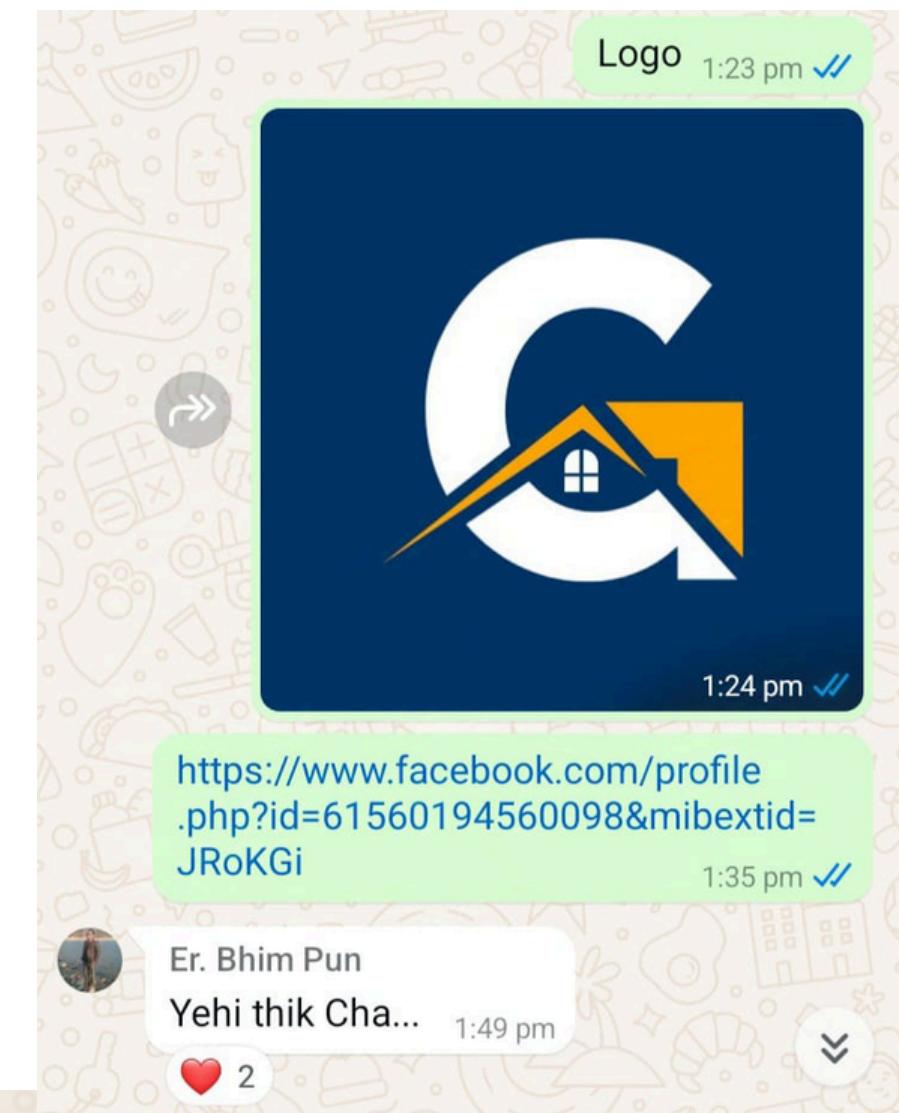
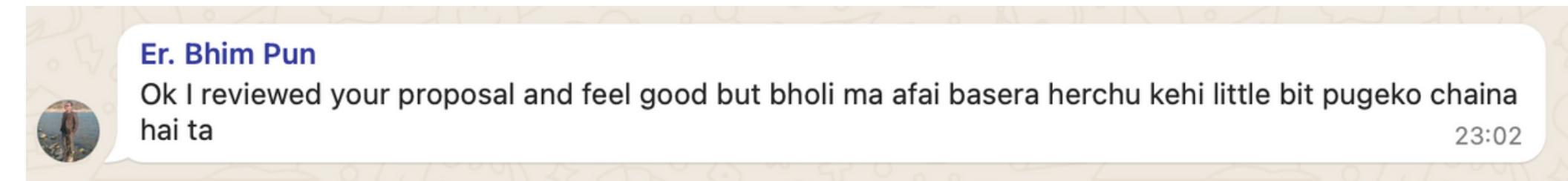
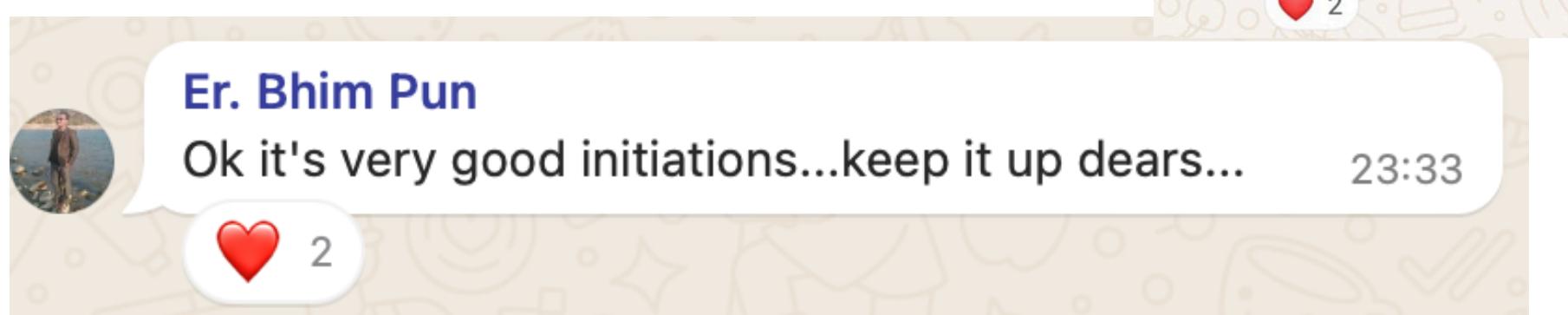
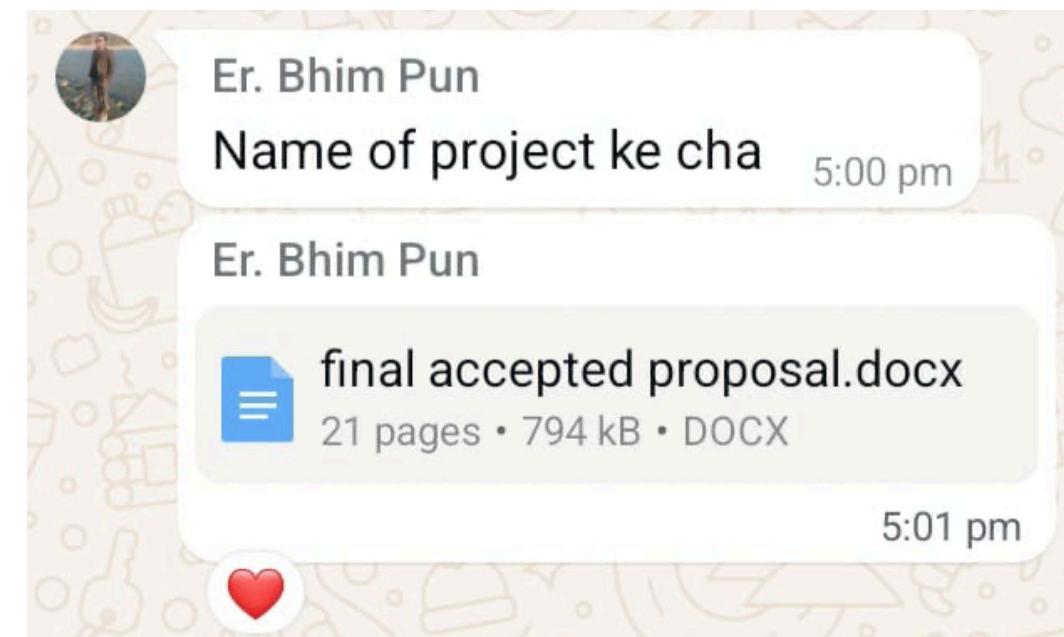


Few Memorable words from him:



Late Er. Bhim Pun

We express our heartfelt gratitude to our late teacher, project supervisor, Er. Bhim Pun Sir. His memory continues to inspire us deeply.



THANK YOU

FOR YOUR ATTENTION

Any Queries?



contact@ghaready.com



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