

# Sub4You

By: Rakshana Venkat & Akarsh Gupta



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# Project Members

Project Advisor: Dr. Will Hawkins



- **Rakshana Venkateswaran-**
- [venkatrs@mail.uc.edu](mailto:venkatrs@mail.uc.edu)
- +1 513 923 7119

- **Akarsh Gupta-**
- [gupta3a6@mail.uc.edu](mailto:gupta3a6@mail.uc.edu)
- +1 513 837 6541



# Project Abstract

Sub4You is a web-based sublease finder platform designed to simplify the housing search process for college students. The app connects students looking to sublease their apartments or rooms with verified renters through a user-friendly interface. It integrates features inspired by platforms like Airbnb—such as location-based listings, secure chat, and filters for budget, amenities, and lease duration—while incorporating AI-driven recommendations to match users with ideal listings and roommates. Sub4You aims to make short-term housing more accessible, transparent, and efficient for the student community.

# User Stories & Design Diagrams

As a sublease finder, I want to see top matches for my requirements, so that I can find a sublease

As a sublesser, I want to see top people for my room/house, so that I sublease my house

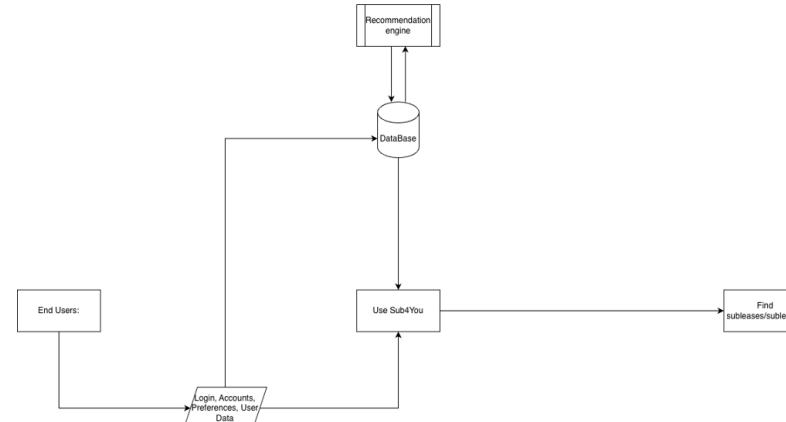
As a landlord, I want to see top applicants for my house, so that I can find tenants for my house

As a lease finder, I want to see top matches for my requirements, so that I can sign a lease

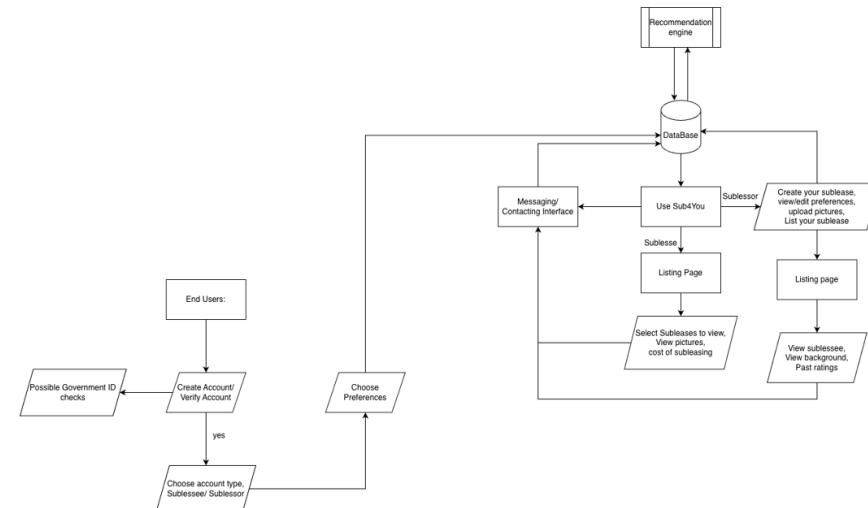
D0:



D1:

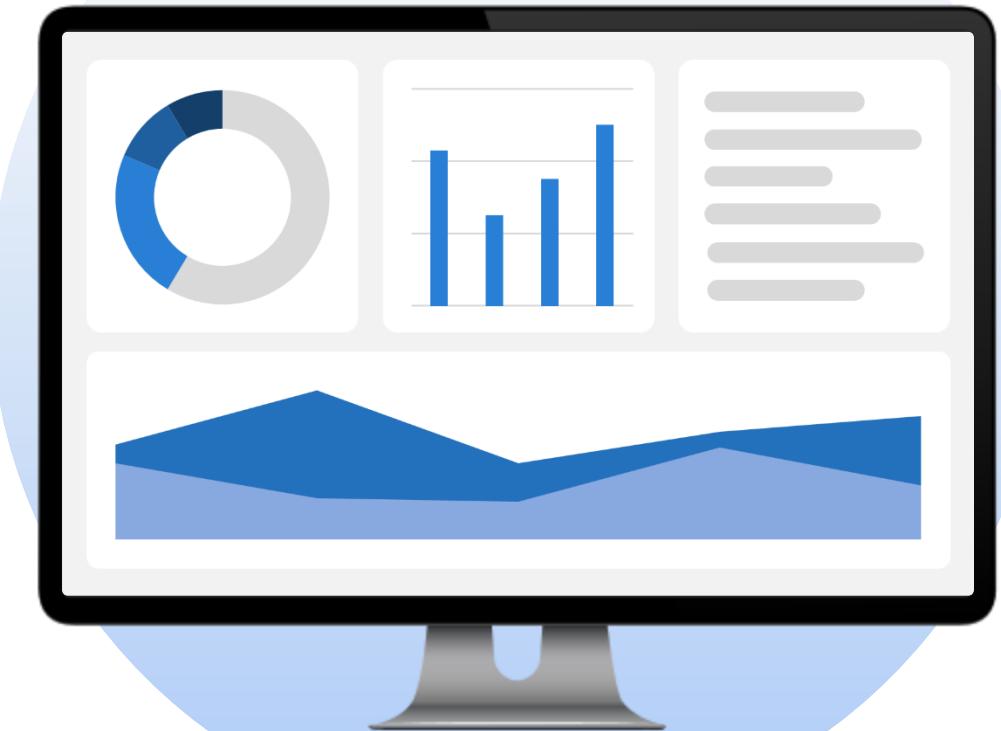


D2:



# Major Project Constraints

- **Economic:**
- Limited budget; using free, open-source tools and student cloud credits.
- Must balance features, performance, and cost.
- **Ethical:**
- Fair and transparent design with bias-free roommate matching.
- Minimal data collection; users control what they share.
- **Legal:**
- Compliance with housing and privacy laws.
- Verified listings only; copyright and data protection enforced..
- **Impact:**
- Constraints may limit early features but ensure a safer, more trustworthy app.



# Project Progress

We have developed the initial **front-end interface** for Sub4You, focusing on a clean and user-friendly design. The **backend is being built using Supabase**, which provides authentication, database management, and real-time data handling. Together, these components form the foundation for the app's core functionality.

### Create Your Profile

Tell us about yourself so room providers can find you.

**Profile Photo**



Upload Photo  
JPG, PNG or GIF (max. 5MB)

**Basic Information**

Age \* 20 Gender \* Select gender

Major \* Computer Science Year \* Select year

**Bio \***  
Tell us about yourself, your hobbies, and what you're looking for...  
0/500 characters

**Room Preferences**

Budget Range (\$/month) \* \$500 - \$1500  
\$0 \$3000

Max Distance from Campus (miles) \* 5

Desired Move-in \* By Semester  
By Month

## Find Your Perfect Sublease Match

Whether you're looking for a room or searching for the ideal roommate, sub4you makes it easy to connect and find your perfect match.



I want to sublease a room

Browse available rooms and connect with people offering subleases in your area.

Find a Room



I need someone to sublease my room

List your available room and find the perfect person to sublease to.

Find a Roommate

Why Choose sub4you?

## Available Rooms

3 rooms available

**Filters**

City Search by city...  
Price Range: \$500 - \$1500  
Minimum Bedrooms 0  
Reset Filters



1200/mo

Cozy Studio in Downtown

San Francisco, CA  
Perfect for students or young professionals.  
Walking distance to campus and public transit.

1 bed 1 bath

WiFi Laundry Parking

Available from 1/31/2025



900/mo

Charming Room in Shared House

Austin, TX  
Friendly housemates, quiet neighborhood, close to public transportation.

1 bed 1 bath

WiFi Backyard Parking

Available from 1/19/2025



850/mo

Affordable Studio Near Transit

Portland, OR  
Budget-friendly option with easy access to downtown and universities.

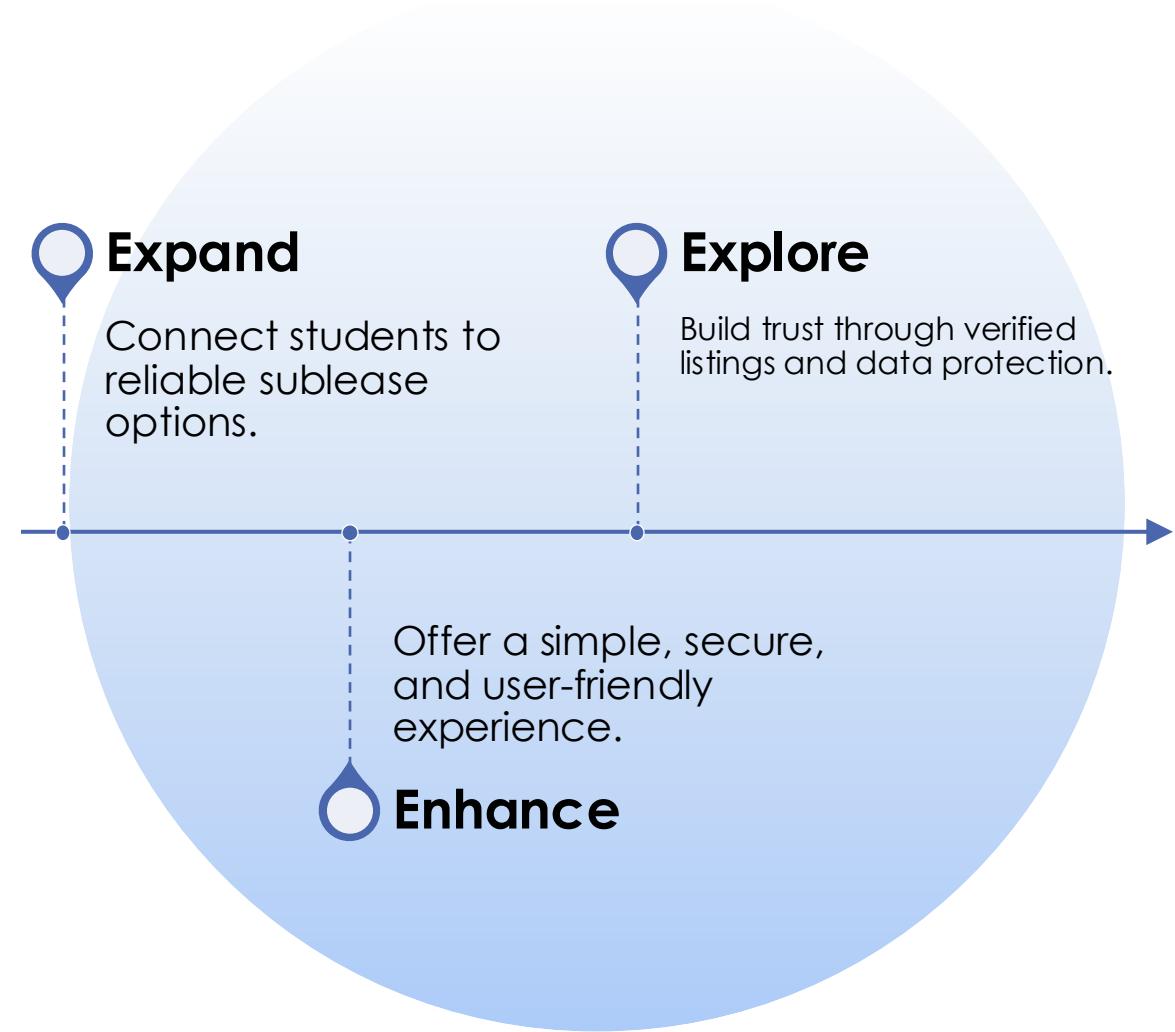
1 bed 1 bath

WiFi Laundry

Available from 1/31/2025

# Expected Accomplishments

- Our expected accomplishment is to develop a **fully functional sublease platform** that enables students to **list, search, and connect** for short-term housing with ease. By integrating **Supabase for secure backend management** and a **responsive front-end interface**, we aim to create a seamless and safe user experience. The final product will feature **verified listings, roommate matching, and fraud detection**, helping students find housing efficiently while building **trust and transparency** within the college housing community.



# Division of Work

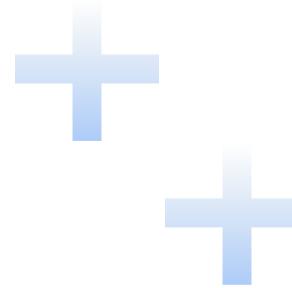
## **Rakshana Venkateswaran-**

- Responsible for designing the frontend UI and overall app layout, ensuring the app is user-friendly and mobile-friendly.
- Additionally, will manage data collection and preprocessing for listings, including cleaning and organizing data for AI training.
- Also will collaborate with the AI Lead to ensure smooth integration of the backend AI features with the frontend.

## **Akarsh Gupta-**

- Responsible for developing the AI smart matching, including training models, building recommendation algorithms, and ensuring accurate predictions.
- Will also handle the backend systems, including APIs and database management. He
- And will work closely with the Frontend & Data Lead to integrate AI functionality seamlessly into the app.

# Expected Demo at Expo



At the demo, we will showcase a **fully functional website** that highlights Sub4You's core features. The demo will include **user registration and login, browsing and posting sublease listings, and basic roommate matching**. We'll also demonstrate the **secure backend integration with Supabase** and the app's **clean, responsive front-end design**.

# Thank you!

