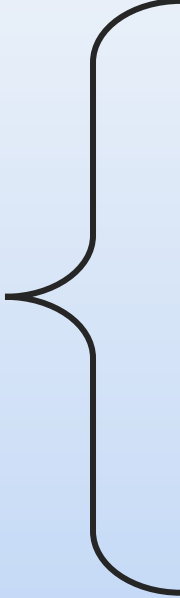


# Sub4You

By: Rakshana Venkat & Akarsh Gupta



# Agenda



- Project Members
- Project Abstract
- User Stories & Design Diagrams
- Major Project Constraints
- Project Progress
- Expected Accomplishments
- Division of Work
- Expected Demo at Expo

# Project Members

Project Advisor: Dr. Will Hawkins

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# 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.

# 5

## User Stories & Design Diagrams

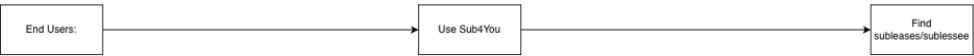
As a sublease finder, I want to see top matches for my requirements, so that I can find a sublease

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

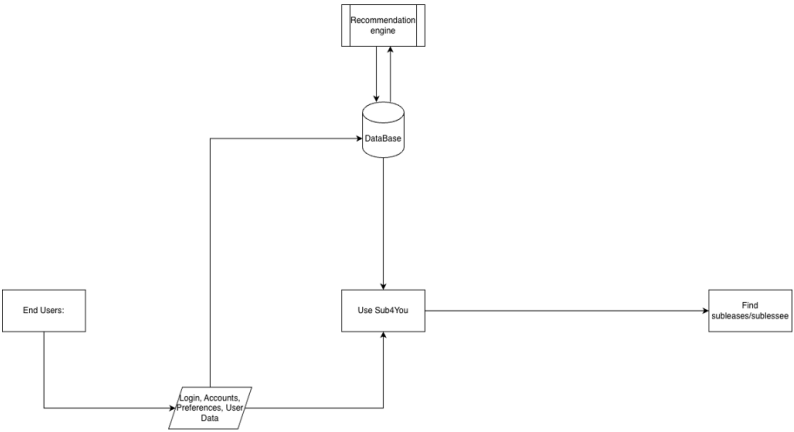
As a landlord, I want to see top applicants for my house, so that I can find tenants for my house

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

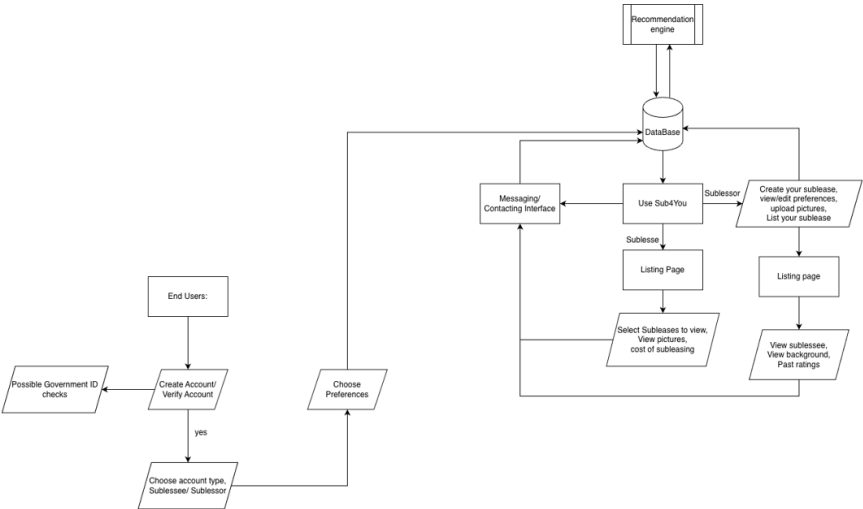
D0:



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.

sub4you

Log inSign up

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?

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

Max Distance from Campus (miles) \*

5

Desired Move-in \*

By Semester

sub4you

Browse Rooms

Available Rooms

3 rooms available

Filters

City

Search by city...

Price Range: \$500 - \$1500

Minimum Bedrooms

0

Reset Filters

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

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

Affordable Studio Near Transit

Portland, OR

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

1 bed

1 bath

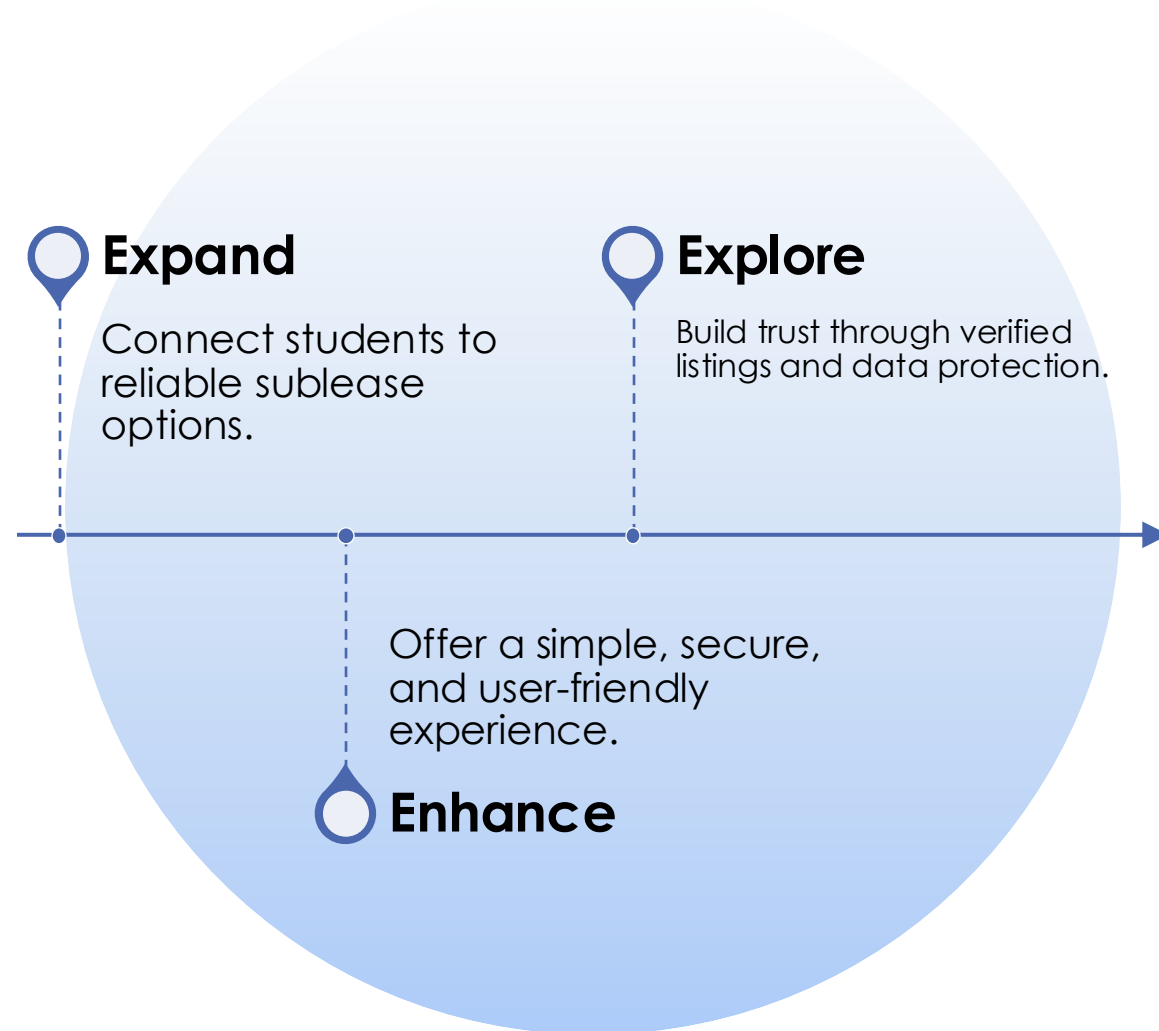
WiFi

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

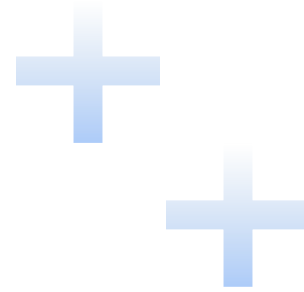
- **Rakshana Venkateswaran-**

- 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!**

