

Bruin-Subleasing

Student Subleasing Made Easy.

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User Needs



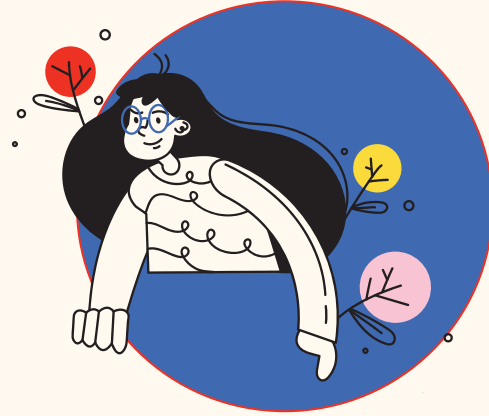
The Problem

User Persona

This student is going to be studying abroad in Paris for spring quarter and is looking to find a sublease during this time.

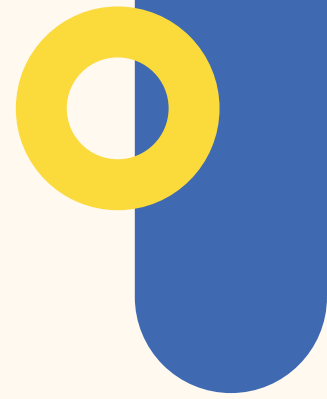
She does not know anyone looking to rent during this narrow time frame, and needs to live there when she returns.

She is struggling to find someone to pay a similar price to what she is paying so she does not lose money.





Current Method



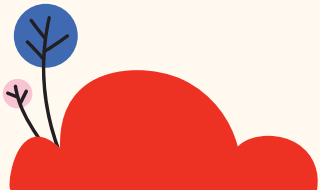
Facebook Subleasing Groups

She makes a post on UCLA subleasing and waits a few days for approval, and starts getting reponses.

She is juggling 5 conversations at once, answering redundant questions regarding rent prices, time frame, amenities, and roommates.

She gets ghosted by a few students and has to post over and over again until she gets more responses.

Eventually, she finds a person to take over her lease.

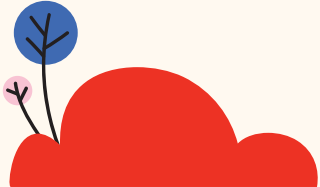




User Pain Points

- There is no unified platform for subleasing. This makes creating and finding a sublease very troublesome and frustrating.
- Facebook subleasing groups are filled with posts by bots, making subleasing an unreliable experience. Most groups post subleases, regular leases, and furniture. Very few are sublease specific.
- Apartment hunting is **NOT EASY!**


How can we fix this issue?





Design Evolution



- We started by brainstorming the 6 main features: Authentication, Add Sublease, Clear Input, View Subleases, Search for Sublease History, and Distance from Sublease
 - We decided to take out the Distance from Sublease feature because the Google Maps API requires payment above a certain number of calls.
 - We modified the Search for Sublease History feature to just search for subleases by street name instead of searching for the rent history of a lease.
 - We modified View Subleases to View Your Own Listings (so that the feature is more user-specific)
 - We added the Delete Post feature so that users can delete a post once they have someone taking their sublease.
 - We thought about using AWS S3 bucket to convert locally uploaded images into image URLs. However, this meant we had to set up a Node server to do so, which was too difficult. We decided to use image URLs instead.
- 

Design Evolution (cont.)

Develop Solution

Create a unified platform
for subleasing at UCLA

Add More Features

Search, Expand Upon Post, View User's Listings

Identify Problem

Hard to create and find
subleases

Add Core Functionality

Sign-In, Post, View, Delete, Logout



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Product Function



Features - **Basic** and **Advanced**

1

Authentication

Your posts are saved to an individual account that belongs to you.

2

View Your Own Posts

Users can look through the posts they created in one place.

3

Clear Input

Users can clear input if they change their mind about adding a sublease.

4

Add Post

Users can upload posts with information about their living situation.

5

Delete Post

Users can delete posts that they are no longer leasing.

6

Search for Post

Users can search by street name to view the most relevant results.

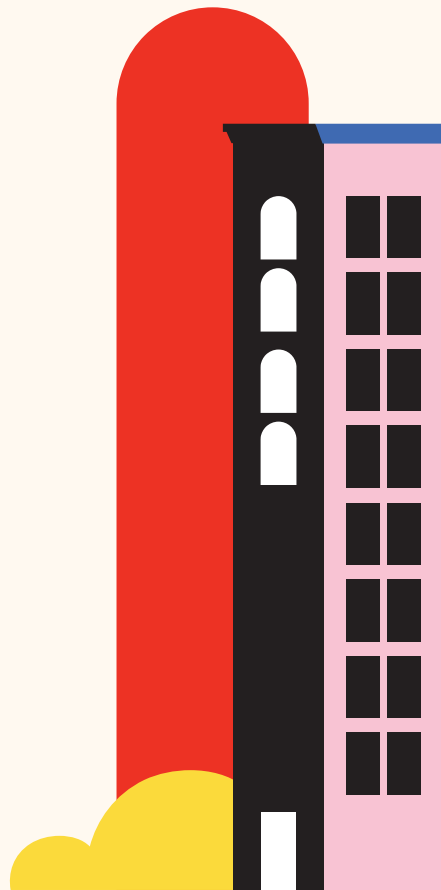
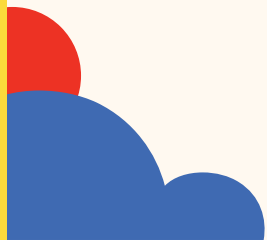
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Process Explanation





Demo Time!





Tech Stack

Front-End

Built with Next.js (A React.js framework), Styled with Material UI and Tailwind CSS

Back-End

Firebase: used for database and authentication

Deployment

Website deployed with Vercel



Software Architecture Design

BACKEND

- Relational relationships (UID/docRefs)
- React Contexts - Authentication

FRONTEND

- Serverside Rendering
- Dynamic Routing
- Components

Search by email address, phone number, or user UID

[Add user](#)

Identifier	Providers	Created ↓	Signed In	User UID
abishan.sutharshan@gmail...		Mar 15, 2023	Mar 15, 2023	RCvHx2g79SazY0eIS0Nb4e09lu2
chuyqc@ucla.edu		Mar 15, 2023	Mar 15, 2023	J0udx0NmHSY469pGnBHMxFRB...
jsuortga2016@hotmail.co...		Mar 15, 2023	Mar 15, 2023	r7hkuGx0mDNY7pdBibCBCApulo2
abishansutharshan@gmail...		Mar 15, 2023	Mar 15, 2023	GWANMDH4z2ahkiSB37NLoY23y...
markbenliyan@gmail.com		Mar 14, 2023	Mar 16, 2023	rWH3HthqMjQ1F99pMQJCKiZ4B...
apurvashah@ucla.edu		Mar 13, 2023	Mar 17, 2023	e0S2NUPqVQhyw4oTQc007y0RSS...
test@gmail.com		Mar 13, 2023	Mar 17, 2023	EDAVITXE0eOeLR5idFVWbsDmp072

Rows per page: 50 1 - 7 of 7

[+ Add field](#)

```
address: "540 Kelton Ave"
amenities: {ac: true, fitness: false...}
baths: 2
beds: 2
docid: "nolm8hbYQUf3WcSIYVN"
imageUrl1: "https://www.maisonrealestate.com/properties/183/5ebfac5f671a8d4...m1340350289od-w1024_h768_x2.jpg"
quarter: "Spring"
rent: 950
roommates: "3"
sqft: "1200"
streetname: "Kelton"
summary: "Hi everyone, I am subleasing my spot in a double (shared room) in a 2B3B apartment on Kelton Ave (a short walk to campus) for Spring Quarter & the Summer. The rent would be $950/mo + utilities or $1050/mo + utilities with non-tandem garage parking. I attached pictures of the full bed and the desk you would get in the room, but unfortunately, I do not have pics of the rest of the apartment right now, so I attached an identical unit in our building. The apartment has a huge open living room with two couches, a 45" TV, heating, and a beautifully remodeled kitchen. Our room also has AC, extra large individual closet space, and a sit-stand desk for you to use with two monitors. Laundry would also be free during your time here. The dates would be from March 27th - September. I am super flexible on the dates so please hit me up if you are just looking for Spring Quarter or Summer Quarter. You would be living with 3 other male roommates all current juniors in college. Please reach out to me if you are interested!"
uid: "e0S2NUPqVQhyw4oTQc007y0RSSp1"
year: 2023
```

[+ Start collection](#)

[+ Add field](#)

```
avatar: "https://media.licdn.com/dms/image/C5603AQEV5mw7DrB8fw/profile-displayphoto-shrink_800_800/0/1634017118145?e=1684368000&v=beta&t=PnuzJ1LYuzFRfSPH8SGKZVnhPspNaDkXUxOfol"
email: "apurvashah@ucla.edu"
firstname: "Apuurva"
lastname: "Shah"
phonenumber: "5107600395"
uid: "e0S2NUPqVQhyw4oTQc007y0RSSp1"
```

04

Future Plans





Adding More Features



Saving Posts

Allow users to save a post under their account so that they can reference it later.

Editing Posts


Allow users to edit their post if something changes (like rent cost)

Chat Feature

Users can communicate with the poster if they have any questions.

Distance from Sublease

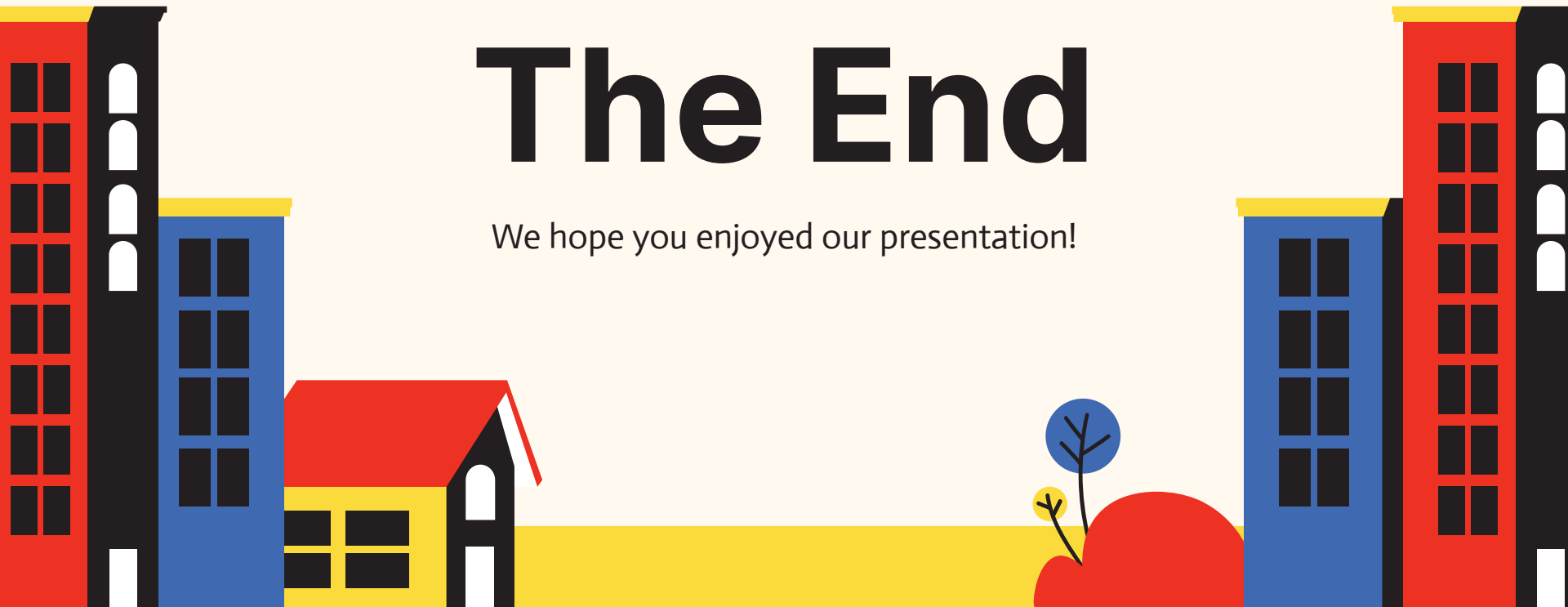
This feature would make use of the Google Maps API to show the distance between your current location or starting address and a subleased address.





The End

We hope you enjoyed our presentation!



Fonts & colors used

This presentation has been made using the following fonts:

Inter

(<https://fonts.google.com/specimen/Inter>)

Actor

(<https://fonts.google.com/specimen/Actor>)

#231f20

#fff9f0

#ed3224

#3f6ab2

#fbd33b

#f8c3d3