# Bruin-Subleasing

*Student Subleasing Made Easy.*

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# 01

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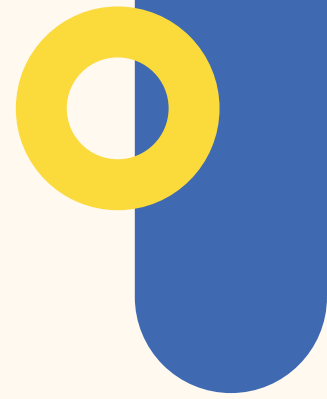
She does not know anyone looking to rent during this narrow time frame, and needs to live there when she returns.

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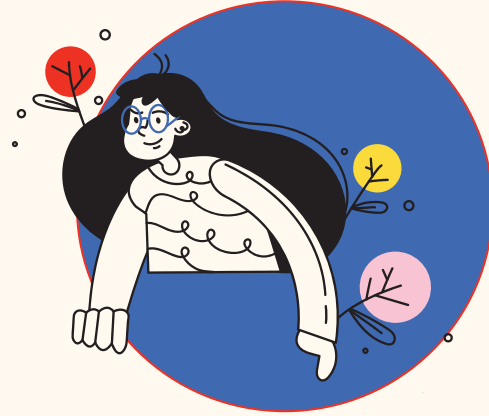
# Current Method

## 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.
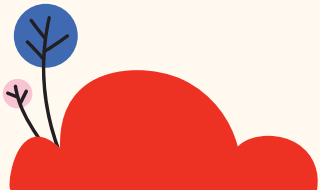
# User Pain Points

- 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?**
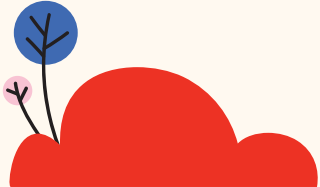
# Design Evolution

- 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 <u>Distance from Sublease</u> feature because the Google Maps API requires payment above a certain number of calls.

- We modified the <u>Search for Sublease History</u> feature to just search for subleases by street name instead of searching for the rent history of a lease.

- We modified <u>View Subleases</u> to <u>View Your Own Listings</u> (so that the feature is more user-specific)

- We added the <u>Delete Post</u> 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

# 02

# 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.

**03**

# Process Explanation

# Demo Time!
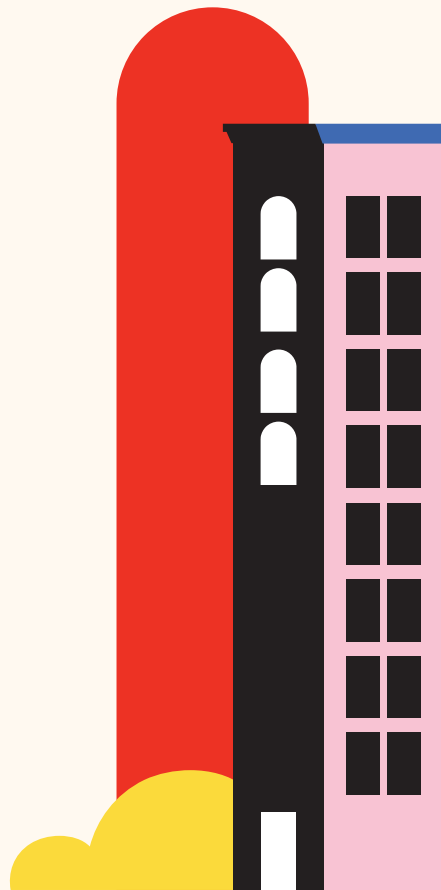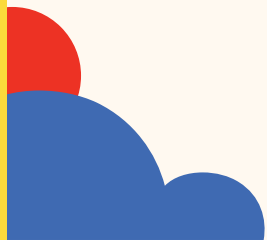
# Tech Stack

## 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

**04**

# Future Plans

# Adding More Features

## Saving Posts

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

## Chat Feature

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

## Editing Posts

Allow users to edit their post if something changes (like rent cost)
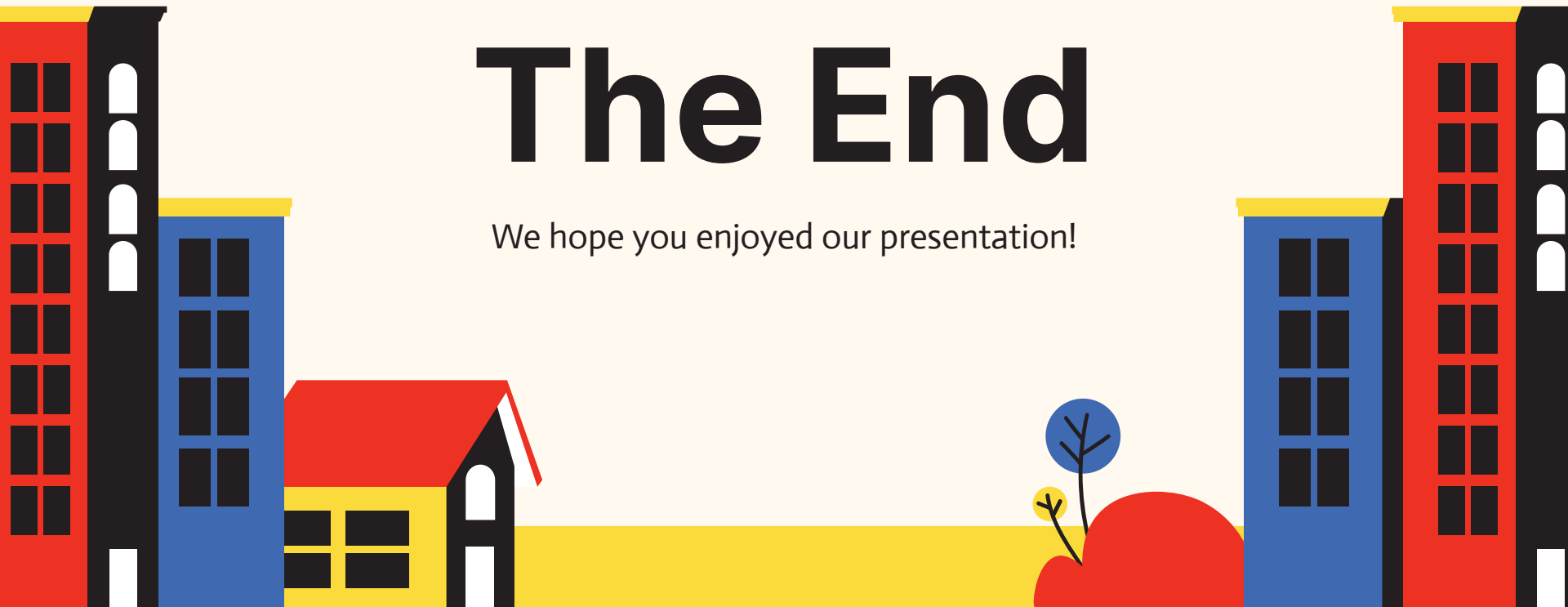
## Distance from Sublease

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

#fbda3b

#f8c3d3