# R.E.A.L.M.

Real Estate Application & Listing Manager

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# So What's The Problem?

Searching for housing is **confusing**, **tedious**, and **scary**. 

#### **Issues**?

- Finding roommates Ο
- Making multiple redundant accounts
- Etc.  $\bigcirc$
- There is no streamlined process to ease the headaches of everyone involved.



# Zillow

Pros

Provides 'map' functionality



#### Cons

- Incomplete view of housing market
- Multi-step PM ⇔ Tenant communication







# How we are going to solve the problem

- Web application which aggregates rental listing information
- Allows the user to
  - View and sort listings in a table and map format
  - Save listings
  - Create and join roommate groups
  - View both their own and their roommates' saved listings
  - Apply to listings either on their own or with their roommates through the app

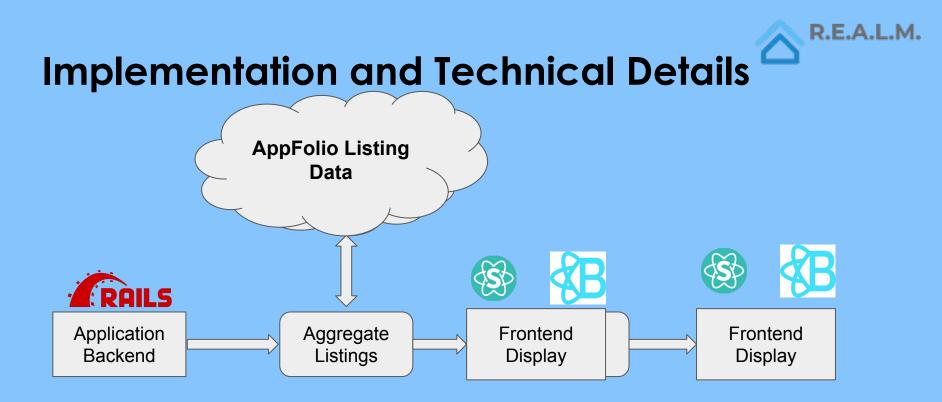


# What makes us different

- We base our development on real world feedback, from our target users.
- Our small size allows us to iterate quickly and make high value improvements to the app.
- Focused on addressing the unique needs and challenges of living in the Santa Barbara region.
  - Especially with the current housing crisis.
- We're not in the business of solving one big problem, but rather a bunch of smaller problems for a wider audience.



# Live Demo!







UCSB r/UCSantaBarbara

This is a friendly place for news, questions,

and discussions for the people of UCSB and

Isla Vista: prospective, current, and former

students, faculty and staff, people who live

and/or work around here, and anyone else

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Online

# **Real World Feedback**

- We gathered real world feedback via a public survey.
- 21/25 say they would use the app.

🚥 r/UCSantaBarbara · Posted by u/xBeeves [UGRAD] Mathematical Sciences, Computer Science 3 days ago

UCSB CS Capstone Project to Help Mitigate the Housing Crisis

#### IV/Goleta/SB

Hi, everyone. I'm on a team of 5 people working on a CS capstone project here at UCSB. Our project is a web application which aggregates rental listings, and displays them in an easy-to-read format to more easily find housing rather than shifting through many different websites. Currently, you are able to view and save listings, and are able to create and join roommate groups. We are adding functionality to view both your own saved listings and your roommates' saved listings, and are working on creating a common application form which will allow you to apply to these different listings through the app instead of on many different websites. We would very much appreciate if you guys could fill out this google form, and give us any feedback you might have on the appl Here's a link to the app.

26.0k Members

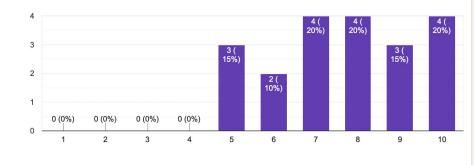
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🕒 Created May 15, 2011

who might be interested.

What would you rate the app on a scale from 1 to 10?

20 responses



# **Real World Feedback**

#### **Positive Feedback**

- "The **listings** are simple and intuitive. It works."
- "The **sorting** is easy, convenient and helpful."
- "With roommate functionality, I do not need to share listings info with my friends on Discord. They can just log in and look through."
- "Everything you could ever need."

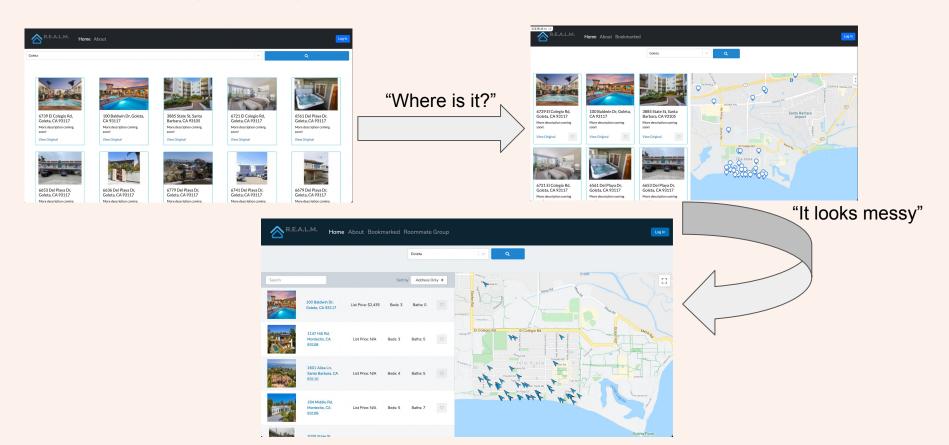
#### **Constructive Criticism**

- "It is annoying to click
  'expand' to see the original listing"
- "The Google Map needs to be more **interactive**"
- "You can add more filtering/search options"





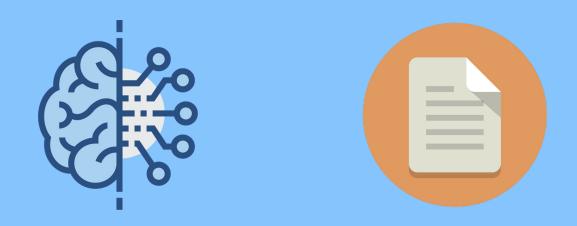
### Search Page Progression





### **Plans for Winter Quarter**

- Implement AppFolio's listing aggregation API
- Implement common form for applying to rental companies in Isla Vista, Goleta, and Santa Barbara
- Implement a rating system and recommendation system using machine learning





# Thank you

- Thank you to Justin, David, and Chev for your incredible leadership and feedback!
- Thank you all for listening to our presentation!
- You can check out our running app here: https://realm-ucsb.herokuapp.com/