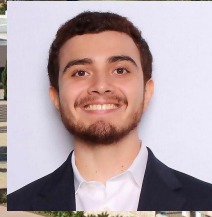# R.E.A.L.M.

Real Estate Application & Listing Manager

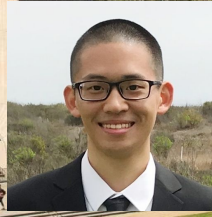Wade Varesio   Kevin Pham   Kobe Shavolian   Noah Pang   Eric Yuan

Sponsor: AppFolio
Mentors: Justin Pearson, David Shen, Chev Eldrid

93 % of home buyers use online websites

R.E.A.L.M.

https://www.statista.com/statistics/1047815/frequency-online-website-for-home-searching-usa/

UCSB

Annually, 44.2 million people rent out their homes

& 100.9 million people live in rental housing

Around **29.4** % of UCSB students had no confirmed housing in 2021-2022!

R.E.A.L.M.

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So What's The Problem?

Searching for housing is:

- **Confusing,** where do you start?
- **Tedious,** multiple websites/accounts
- **Inefficient,** time wasted coordinating with roomates
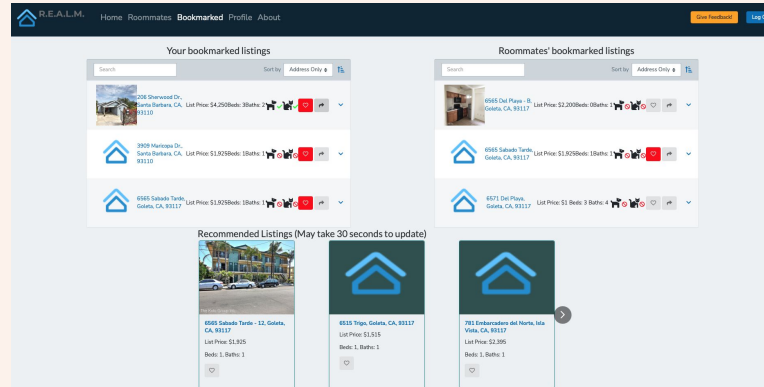
Existing Solutions

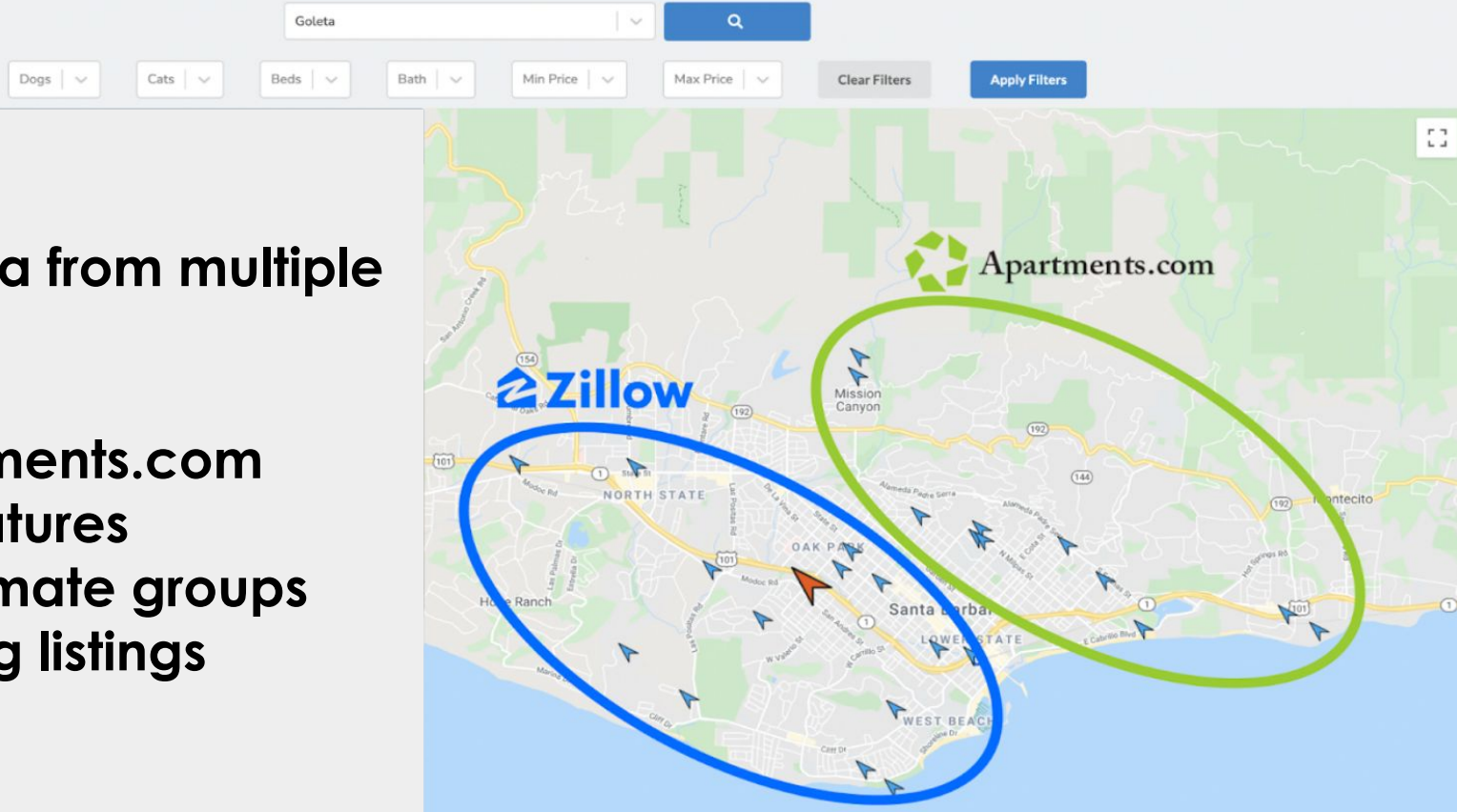| Pros	Cons
● 'map' functionality	● Incomplete view of housing market
● Name recognition	● Difficult to share with others

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Our Solution

- ~~Confusing:~~ View recommended listings

- ~~Tedious:~~ Aggregate rental listings between different websites

- ~~Inefficient:~~ Save and share listings

What makes us different

- **Listing data from multiple sources**
  - **Zillow**
  - **Apartments.com**
- **Social Features**
  - **Roommate groups**
  - **Sharing listings**

What makes us different

Live Demo!

High Level Architecture

- Unique

- Industry-grade

- Scalable

- Privacy minded

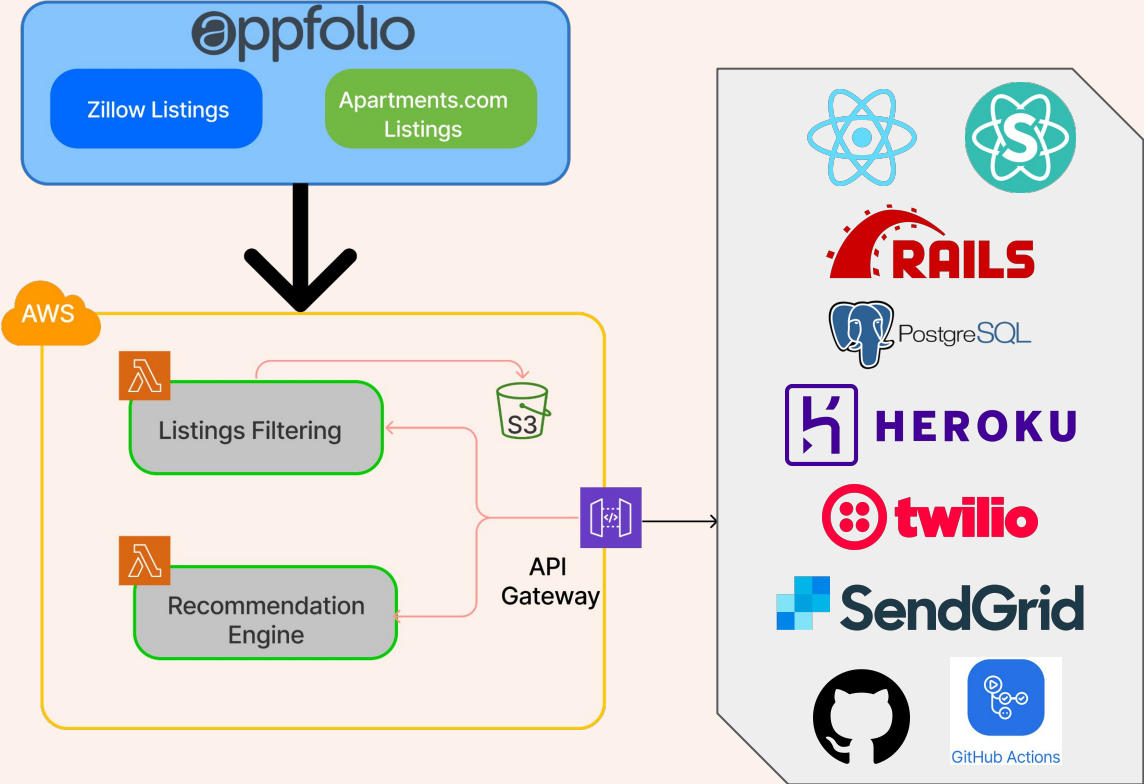# Architecture Advantages

- "Plugin" recommendation engine

    - V1: Team built recommender engine

    - V2: Collaboration with UCSB AppFolio Data Science Capstone Team

- Ability to add more listing feeds/ILS

- Potential to open source for community based development
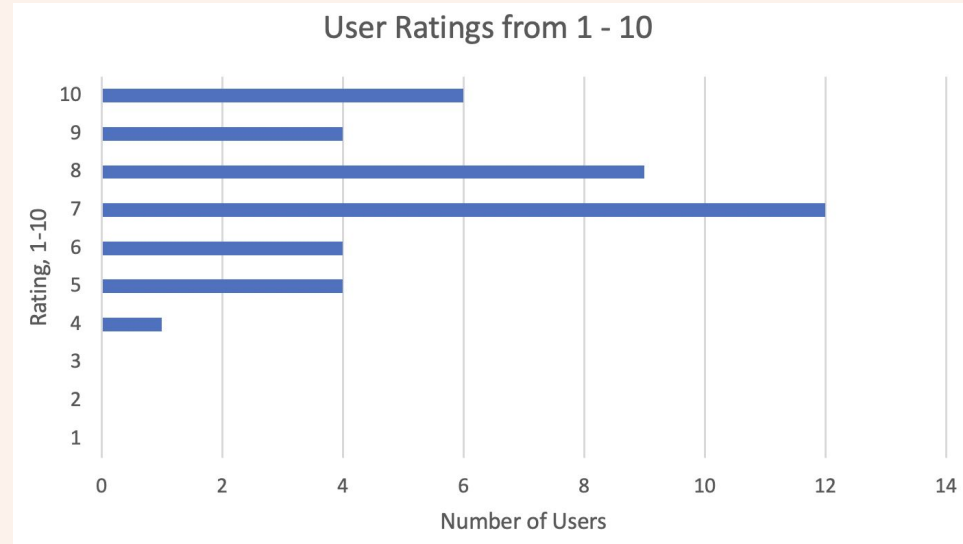
Real World Use

- We gathered feedback from users:
  - Reddit post
  - UCSB undergraduate email blast
  - Feedback form embedded in app
  - 1-1 interview
  - AppFolio senior UX designers
- App is already being used publicly.

appfolio   R.E.A.L.M.   UCSB
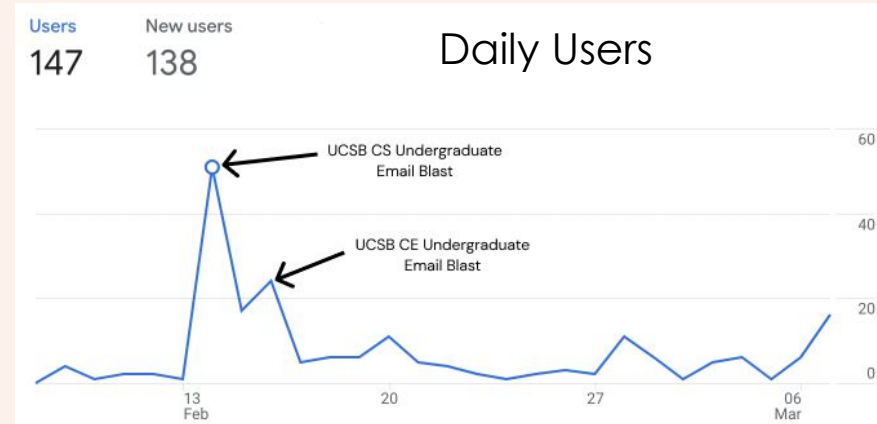
Feedback Summary

- **90.56%** would use to find housing.
- Positive:
    - Intuitive listings display/filtering
    - Convenient roommate features
    - Accurate recommendation engine
- Constructive criticism:
    - Need property rating system
    - Hard to find new roommates
    - Cramped formatting

User Ratings from 1 - 10

Bar chart — Rating, 1-10 (y-axis) vs. Number of Users (x-axis):
- 10: 6
- 9: 4
- 8: 9
- 7: 12
- 6: 4
- 5: 4
- 4: 1
- 3: 0
- 2: 0
- 1: 0

Goleta

🔍

6739 El Colegio Rd, Goleta, CA 93117

More description coming soon!

View Original

100 Baldwin Dr, Goleta, CA 93117

More description coming soon!

View Original

3885 State St, Santa Barbara, CA 93105

More description coming soon!

View Original

6721 El Colegio Rd, Goleta, CA 93117

More description coming soon!

View Original

6561 Del Playa Dr, Goleta, CA 93117

More description coming soon!

View Original

6653 Del Playa Dr, Goleta, CA 93117

More description coming

6636 Del Playa Dr, Goleta, CA 93117

More description coming

6779 Del Playa Dr, Goleta, CA 93117

More description coming

6741 Del Playa Dr, Goleta, CA 93117

More description coming

6679 Del Playa Dr, Goleta, CA 93117

More description coming

R.E.A.L.M.

Log In

Goleta

6739 El Colegio Rd, Goleta, CA 93117

More description coming soon!

View Original

100 Baldwin Dr, Goleta, CA 93117
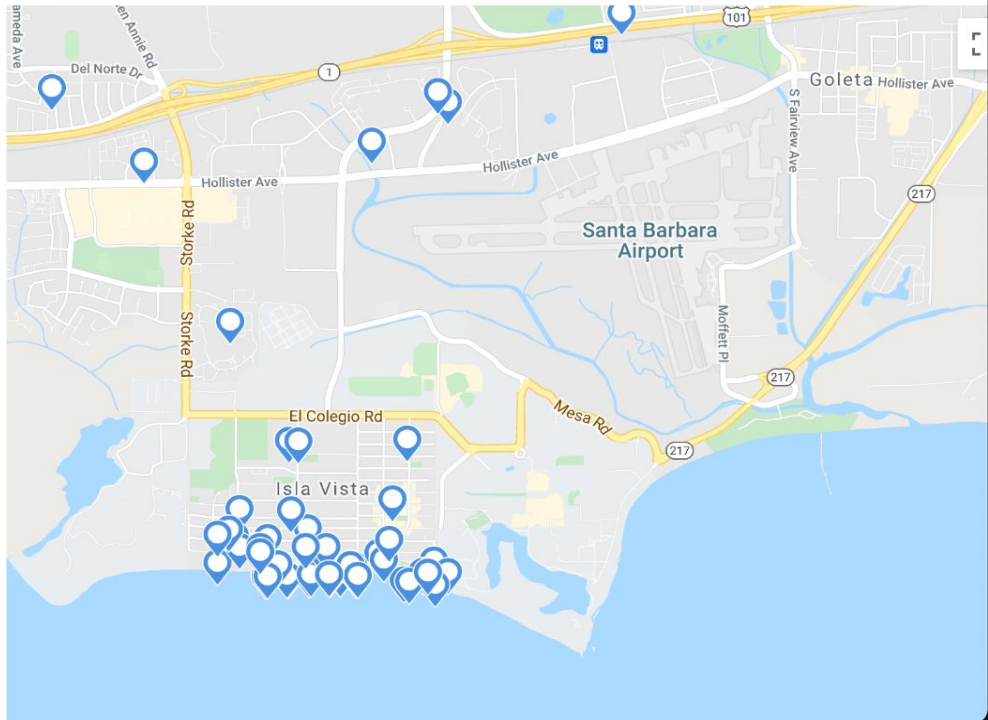
More description coming soon!

View Original

3885 State St, Santa Barbara, CA 93105

More description coming soon!

View Original

6721 El Colegio Rd, Goleta, CA 93117

More description coming

6561 Del Playa Dr, Goleta, CA 93117

More description coming

6653 Del Playa Dr, Goleta, CA 93117

More description coming

appfolio

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Goleta

Search

Sort by   Address Only

100 Baldwin Dr, Goleta, CA 93117   List Price: $2,435   Beds: 3   Baths: 0

1147 Hill Rd, Montecito, CA 93108   List Price: N/A   Beds: 3   Baths: 5

1601 Alisa Ln, Santa Barbara, CA 93110   List Price: N/A   Beds: 4   Baths: 5
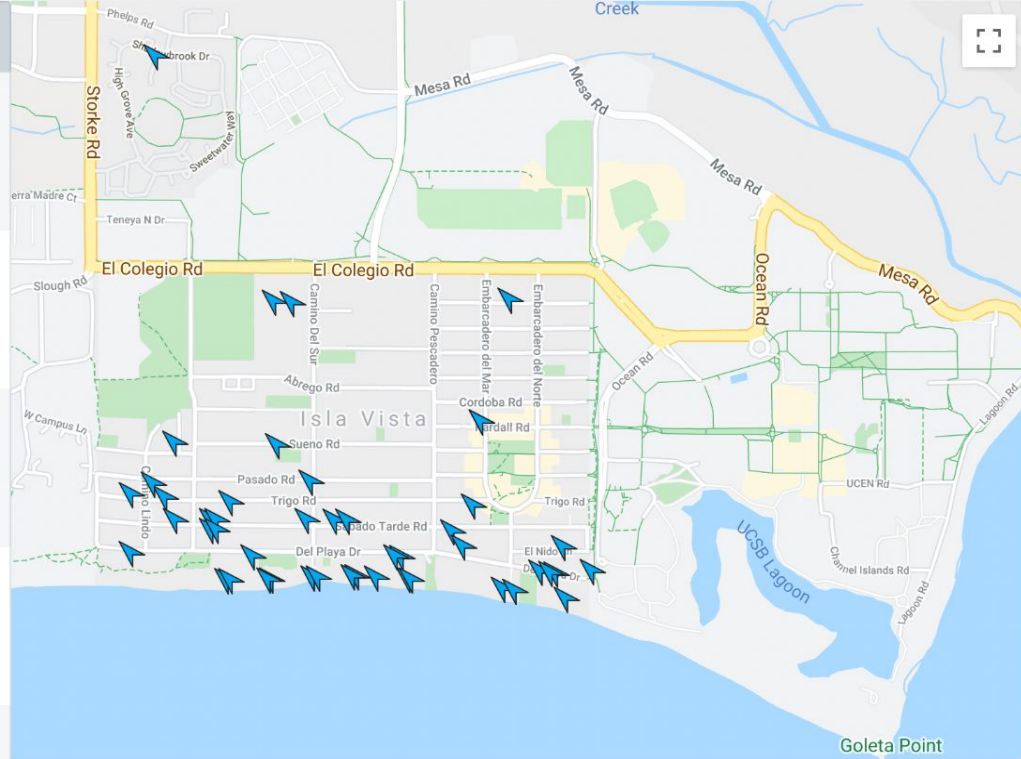
184 Middle Rd, Montecito, CA 93108   List Price: N/A   Beds: 5   Baths: 7

2030 State St

R.E.A.L.M.

Give Feedback!

Log Out

Goleta

Dogs | Cats | Beds | Bath | Min Price | Max Price | Clear Filters | **Apply Filters**

Search

Sort by **Address Only**

100 Oceano Ave #24, Santa Barbara, CA, 93109
List Price: $2,495 | Beds: 1 | Baths: 1

1039 Portesuello Ave, Santa Barbara, CA, 93105
List Price: $2,800 | Beds: 1 | Baths: 1

1111 North Milpas Street, Santa Barbara, CA, 93103
List Price: $3,795 | Beds: 2 | Baths: 1

1120 Palomino Rd, Santa Barbara, CA, 93105
List Price: $9,500 | Beds: 2 | Baths: 2

1220 Coast Village Rd 311, Montecito, CA, 93108
List Price: $9,200 | Beds: 3 | Baths: 2

1312 Shoreline Dr, Santa Barbara, CA, 93109
List Price: $28,750 | Beds: 4 | Baths: 3

appfolio

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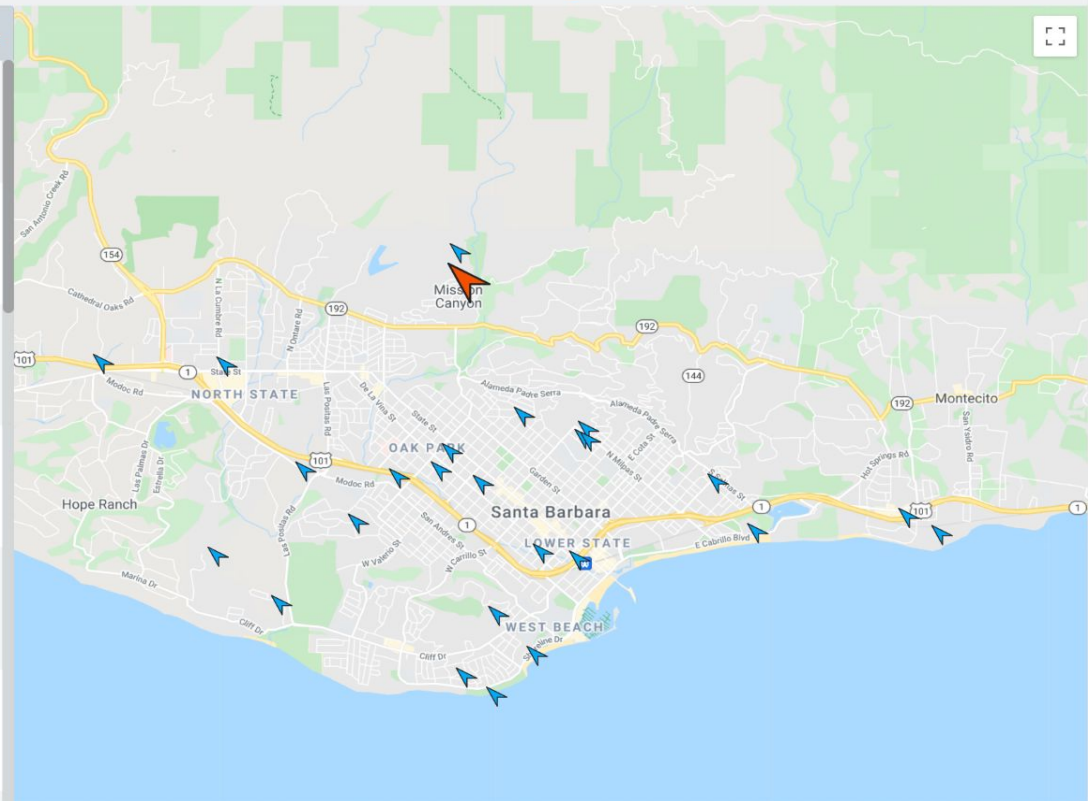
6561 Del Playa, Goleta, CA, 93117

More description coming soon!

View Original

6555 Del Playa, Goleta, CA, 93117

More description coming soon!

View Original

6567 Del Playa, Goleta, CA, 93117

More description coming soon!

View Original

6575 Del Playa, Goleta, CA, 93117

More description coming soon!

View Original

< Prev   1   Next >

R.E.A.L.M.

Home   About   **Bookmarked**

Log Out

Filter by:

Search

Sort by [Address Only ▾]   Change Sort Direction

♥	6555 Del Playa, Goleta, CA, 93117	List Price: $5,500	Beds: 1	Baths: 1	Expand
♥	6561 Del Playa, Goleta, CA, 93117	List Price: $8,000	Beds: 3	Baths: 2	Expand
♥	6567 Del Playa, Goleta, CA, 93117	List Price: $1	Beds: 3	Baths: 4	Expand
♥	6575 Del Playa, Goleta, CA, 93117	List Price: N/A	Beds: 5	Baths: 4	Expand

appfolio

R.E.A.L.M.

UCSB

R.E.A.L.M.

Home Roommates **Bookmarked** Profile About

Give Feedback!   Log Out

Your bookmarked listings

Search   Sort by Address Only ⇕   ↕

6555 Del Playa,
Goleta, CA, 93117
List Price: $5,500 Beds: 1 Baths: 1

6561 Del Playa,
Goleta, CA, 93117
List Price: $8,000 Beds: 3 Baths: 2

6567 Del Playa,
Goleta, CA, 93117
List Price: $1 Beds: 3 Baths: 4

6575 Del Playa,
Goleta, CA, 93117
List Price: N/A Beds: 5 Baths: 4

Roommates' bookmarked listings

Search   Sort by Address Only ⇕   ↕

6555 Del Playa,
Goleta, CA, 93117
List Price: $5,500 Beds: 1 Baths: 1

6561 Del Playa,
Goleta, CA, 93117
List Price: $8,000 Beds: 3 Baths: 2

6567 Del Playa,
Goleta, CA, 93117
List Price: $1 Beds: 3 Baths: 4

6575 Del Playa,
Goleta, CA, 93117
List Price: N/A Beds: 5 Baths: 4

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Your bookmarked listings

Search   Sort by   Address Only ⇕

1039 Portesuello Ave, Santa Barbara, CA, 93105 — List Price: $2,800 Beds: 1 Baths: 1

1120 Palomino Rd, Santa Barbara, CA, 93105 — List Price: $9,500 Beds: 2 Baths: 2

1312 Shoreline Dr, Santa Barbara, CA, 93109 — List Price: $28,750 Beds: 4 Baths: 3

6555 Del Playa, Goleta, CA, 93117 — List Price: $5,500 Beds: 1 Baths: 1

6777 Del Playa, Goleta, CA, 93117 — List Price: $9,000 Beds: 4 Baths: 2

Roommates' bookmarked listings

Search   Sort by   Address Only ⇕

6561 Del Playa, Goleta, CA, 93117 — List Price: $8,000 Beds: 3 Baths: 2

6565 Sabado Tarde - 12, Goleta, CA, 93117 — List Price: $1,925 Beds: 1 Baths: 1

6633 Del Playa, Goleta, CA, 93117 — List Price: $18,500 Beds: 4 Baths: 3

6653 Del Playa, Goleta, CA, 93117 — List Price: $11,000 Beds: 5 Baths: 2

6679 Del Playa B, Goleta, CA, 93117 — List Price: $8,500 Beds: 3 Baths: 2

Recommended Listings (May take 30 seconds to update)

1337 Danielson Road, Unit A, Santa Barbara, CA, 93108
List Price: $4,500
Beds: 2, Baths: 2

6743 Del Playa, Goleta, CA, 93117
List Price: $15,000
Beds: 7, Baths: 3

6701 Del Playa, Goleta, CA, 93117
List Price: $11,500
Beds: 4, Baths: 3

https://realm-ucsb.herokuapp.com

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Future Ideas

- Mobile App

- Implementing a common application

- Ability to directly message the property managers

- Creating a page for users to find roommates

Thank You!

- Thank you to

  - Justin, David, and Chev

  - Professor Krintz, Su, and Mason

  - Everyone for listening to our presentation!

- You can check out our running app here:

  https://realm-ucsb.herokuapp.com/

  *Currently, we are a desktop only app!

appfolio

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