

# ApartMate

User Testing



## **GROUP 8**

**Tom Juszczyk**

(juszcz004)

**Tommy (Jiajun) Tang**

(tang0594)

**Yashasvi Sriram Patkuri**

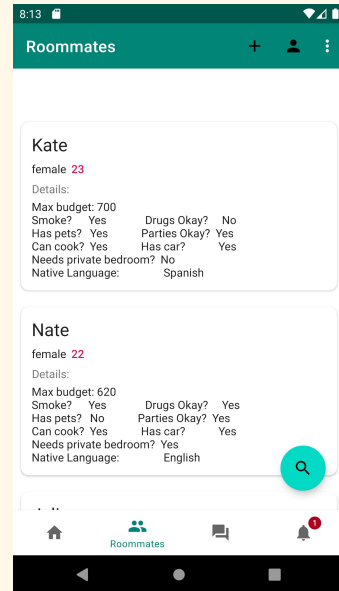
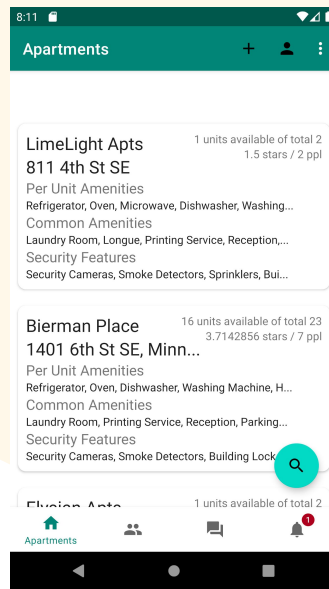
(patku001)

**Fatima Rahman**

(rahma176)

# What is ApartMate?

- Apartment browsing and roommate matching system
- Incentivized user data curation
- Roommate communication
- Robust search and filter system
- Verified data
  - Can mark apartment listings and users as verified



# What's different about Apartmate?

- Collaboration Vs Verification
  - “Public” wikipedia model
  - More user data w/ imperfections is better than less perfect data
- All-in-one solution for housing
  - Apartment searching
  - Roommate searching
  - Communication
- Customizable search result layouts

8:27

Apartment search

Type name or address to sea 50 MATCHES

☐ No condition ☒ Should not be ☐ Should be

Per Unit Filters

Refrigerator ☐

Oven ☐

Microwave ☐

Dishwasher ☐

Washing Machine ☐

Heating ☐

Cooling ☒

Commons Filters

Laundry Room ☐

Longue ☐

8:28

User search

Type name 0 MATCHES

☐ No condition ☒ Should not be ☐ Should be

User Filters

gender ☒ male ☒ female ☒ other

age 15 25

budget 400 800

native language English

smoke okay? ☒

drugs okay? ☒

pets okay? ☒

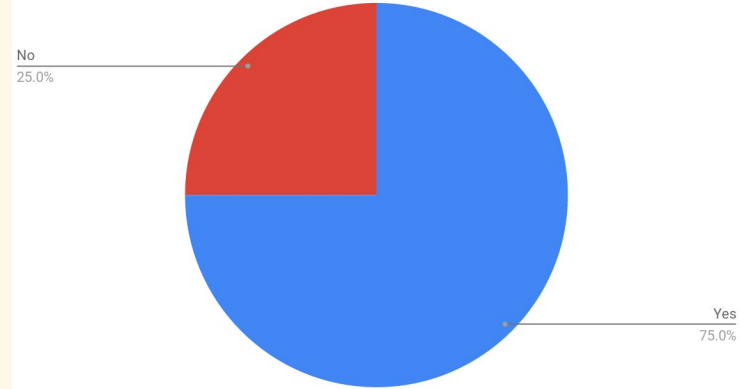
parties okay? ☒



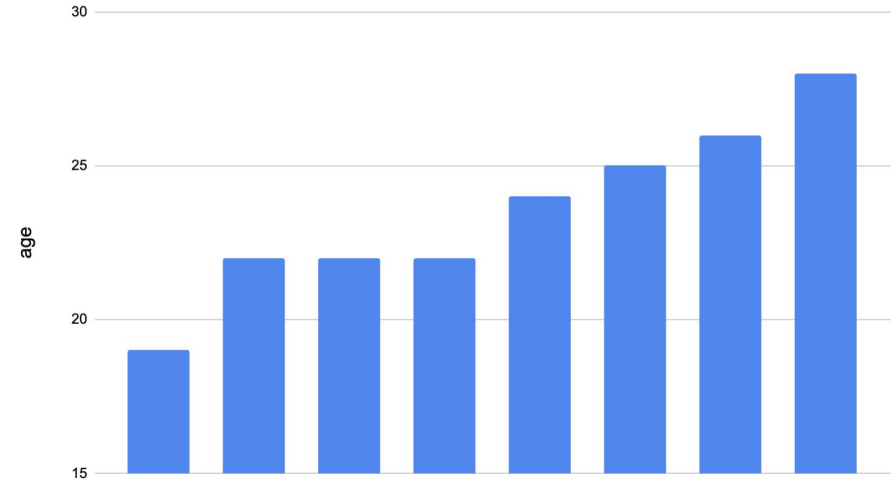
# Participant Demographics

- 6 University Students
- 2 Young Professionals
- Ages 19 - 28
- Male and Female
- All users have searched for apartments online

Users who have searched for roommates online



Age of Participants



# User Tasks

- **Task 1 - Formative & Explorative**
  - Metric: User reactions to UI elements, Missing features, Trouble Spots
- **Task 2 - Summative**
  - Metric: Search Time
  - Compare the time to search for an apartment & roommate with baselines (apartments.com & roomster.com)
  - Users asked to search as fast as possible
- Task 2 done only after Task 1 to so users are well accustomed to UI of the app



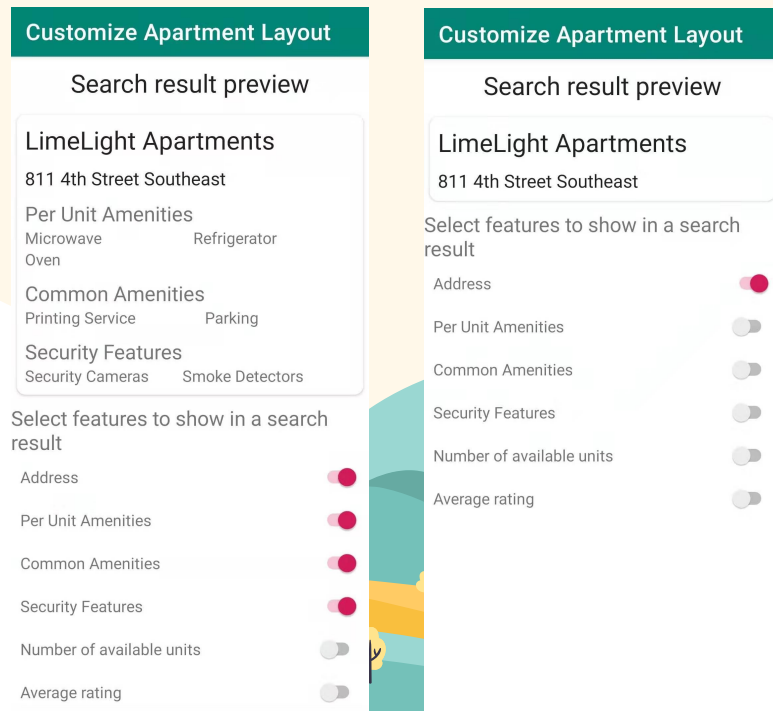
# Defining success

- **Task 1 - Formative & Explorative**
  - Getting feedback from user without giving any hints of help in the middle of exploration
- **Task 2 - Summative**
  - Setting a scenario such that user needs to search as soon as possible in both baseline and our model
  - Faster than baseline



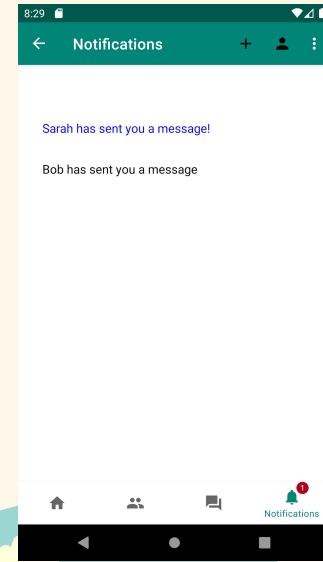
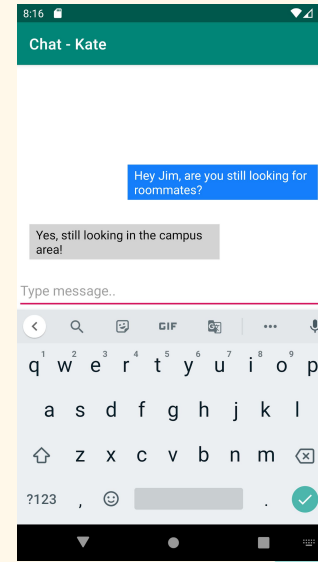
# Qualitative Results

- Pros
  - Lots of filters (more thorough than baseline)
  - Customizable search result layout is efficient



# Qualitative Results

- Cons
  - Lack of visual cues like figures
  - Missing important filters (# of bedrooms, square footage, price range)
  - Not very intuitive controls and colors
  - Documentation/help not very visible





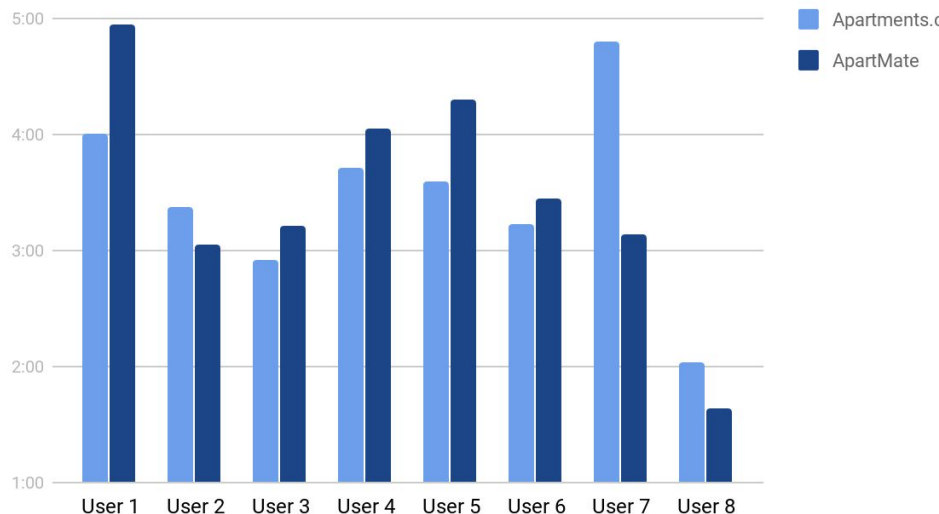
# Quantitative Results

## Apartments

- Mean time for baseline =  $3:27 \pm 0:03$
- Mean time for model =  $3:28 \pm 0:04$
- Our model doesn't some important filters like filter by price and number of bed/bath which increased search time
- But as the data we had was also not very much average time comes out similar to the baseline



Time searching for apartments

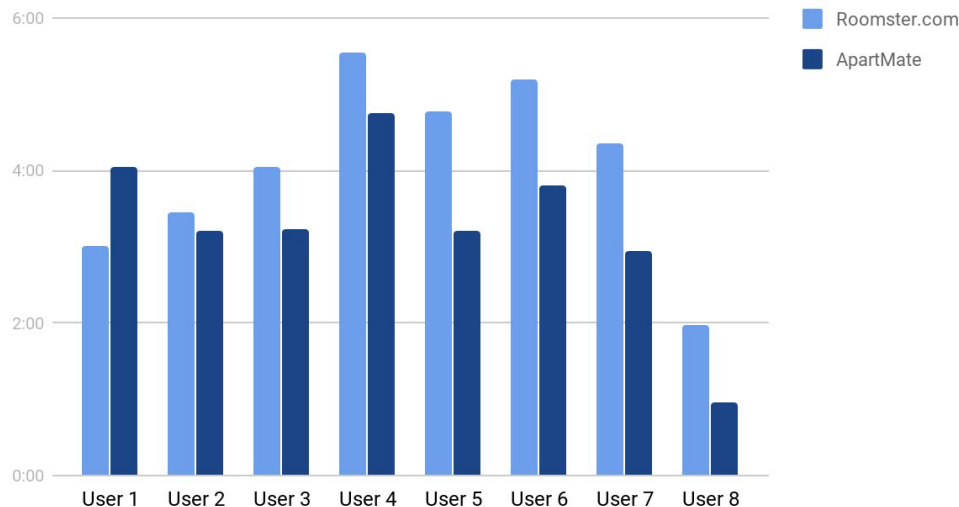


# Quantitative Results

## Roommates

- Mean time for baseline = 4:02 ± 0:05
- Mean time for model = 3:16 ± 0:05
- Our model has a predefined set of roommate search parameters based on user profile which decreased the search time significantly

Time for searching roommates



# Insights for future change

## Apartment search

Type name or address: 3 MATCHES

☐ No condition ☒ Should not be ☐ Should be

### Per Unit Filters

Refrigerator ☒

Oven ☒

Microwave ☐

Dishwasher ☒

Washing Machine ☒

Heating ☐

Cooling ☐

### Commons Filters

Laundry Room ☒

Longue ☐

Add more information about the apartment like room size, discount, lease reward.

Add filter by price and room size.

## View apartment details

### Bierman Place

1401 6TH ST SE, MINNEAPOLIS, MN 55414

☒ Refrigerator ☒ Oven ☐ Microwave  
☒ Dishwasher ☒ Washing Machine ☒ Heating  
☒ Cooling

### Common Amenities

☒ Laundry Room ☐ Longue ☒ Printing Service  
☒ Reception ☒ Parking

### Security Features

☒ Security Cameras ☒ Smoke Detectors ☐ Sprinklers  
☒ Building Lock

### Units in apartment

# 101

3Bed



# Insights for future change



Name

Kate

Email

kate@apartmate.c

LEVEL 12

NOT VERIFIED

Age

23

Gender

female

Max budget

700

Native language

Spanish

## Personal Preferences

- ☒ Pets OK?
- ☒ Have a car?
- ☒ Can cook?
- ☒ Party Friendly?
- ☐ Drugs OK?
- ☒ Smoking OK?
- ☐ Private

SEND MESSAGE

Add more user details like preferred location, preferred floor plan, etc.

Improve the layout here.  
Very cluttered



# Insights for future change

**LimeLight Apts** 1 units available of total 2  
811 4th St SE  
1.5 stars / 2 ppl

Per Unit Amenities  
Refrigerator, Oven, Microwave, Dishwasher, Washing...

Common Amenities  
Laundry Room, Longue, Printing Service, Reception,...

Security Features  
Security Cameras, Smoke Detectors, Sprinklers, Bui...

**LimeLight Apts** 1 units available of total 2  
811 4th St SE  
1.5 stars / 2 ppl

Per Unit Amenities  
Refrigerator, Oven, M...  
Washing...

Common Amenities  
Laundry Room, Long...  
Reception,...

Security Features  
Security Cameras, Smoke Detectors, Sprinklers, Bui...



**Bierman Place** 16 units available of total 23  
1401 6th St SE, Minn...  
3.7142856 stars / 7 ppl

Per Unit Amenities  
Refrigerator, Oven, Dishwasher, Washing Machine, H...

Common Amenities  
Laundry Room, Printing Service, Reception, Parking...


Security Features  
Security Cameras, Smoke Detectors, Building Lock,

**Bierman Place** 16 units available of total 23  
1401 6th St SE, Minn...  
3.7142856 stars / 7 ppl

Per Unit Amenities  
Refrigerator, Oven, D...  
Machine, H...

Common Amenities  
Laundry Room, Print...  
Parking...

Security Features  
Security Cameras, Smoke Detectors, Building Lock,



**Elysian Apts** 1 units available of total 2  
711 4th St SE, Minne...  
3.3333333 stars / 3 ppl

Per Unit Amenities  
Refrigerator, Oven, Microwave, Dishwasher, Heating...

Common Amenities  
Laundry Room, Longue, Printing Service, Reception,...


Security Features  
Security Cameras, Smoke Detectors, Sprinklers,

**Elysian Apts** 1 units available of total 2  
711 4th St SE, Minne...  
3.3333333 stars / 3 ppl

Per Unit Amenities  
Refrigerator, Oven, M...  
Heating...

Common Amenities  
Laundry Room, Long...  
Reception,...

Security Features  
Security Cameras, Smoke Detectors, Sprinklers,

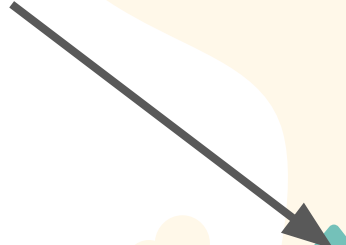


Decrease the amount of words, add more images and icons



# Insights for future change

Improve the help document like replacing text with pictures. Making it easier for user to find help button.



## Help

ApartMate is a community for people by people. Search for apartments from a crowd sourced and crowd verified collection of apartment listings. Contribute back to the community by adding/ updating/correcting apartment listing. Up your level while contribution. After achieving a certain level, apply for verification processs and get review previlages for apartment. Find suitable roommates using your profile. Start your conversations with a suitable roommate with a single click.



# Insights for future change

Apartments + 👤 ⋮

LimeLight Apts  
811 4th St SE

Bierman Place  
1401 6th St SE, Minn...

Elysian Apts  
711 4th St SE, Minne...

Solhaus  
2428 Delaware St SE,...

Wahu  
1016 Washington Ave ...

Quad on Delawar...



Apartments



Add more apartments and houses in Minneapolis



# Insights for future change

Add more reviews and ratings.  
Interview current residents of  
apartment.



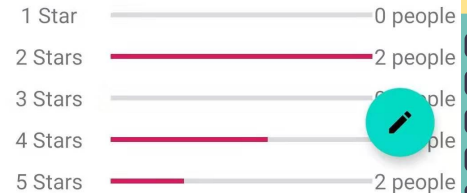
View apartment details

Bierman Place

1401 6TH ST SE, MINNEAPOLIS, MN 55414



Avg rating 3.8 Stars / 7 People





# Insights for future change

- Add more user details
- Add more apartment details
- Add more images and icons, less text
- Improve the help document
- Add more apartments and houses in Minneapolis
- Add more reviews





# THANKS!

Any questions?

including icons by

Slidesgo,  
Freepik.