



PROTOTYPE 1: ALL-IN-1 APP TO COMMUNICATE WITH LANDLORD





WHAT & HOW DO WE TEST

Description

Some apps exist on the Internet that help people find houses for rent, but it only has “find” function. From our needfinding, we found that more help is needed in the renting process. Therefore, we want to make an integrated app, that makes renting house process even more convenient, all in one.

Methods

Prepared cards (sliced papers) with “interfaces” drawn. As the tester “click” on some “buttons”, we gave her the card with interface of “next step”. After walking through the “app”, we ask the tester for comments on it.

Sign Up

Name: Tina Hu

Gender: male female

Age: 20

minority:

Interests:

Payment method:

Fill in the basic info
when you start using
the app

Find a house

Where:

Match interest

Match age

Match gender

Reference

Open crime map

Open demographic map

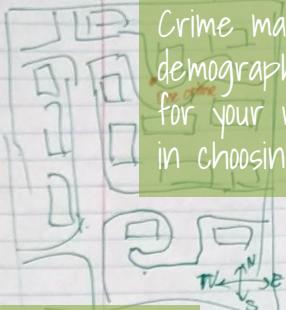
Match according to
different criteria

Minorities

- Black & African
- Asian
- Native & Alaska natives
- Native Hawaiian & Pacific Islanders
- Middle Easterners & North Africans
- Hispanic & Latino
- Other

Pages in blue pen
are dropdown menus

Crime map



Crime map and
demographics map
for your reference
in choosing the house

Demographic map



Apply algorithm to search the
database for best results

Payment

Bank account

Credit card

debit card

Monthly rent will be subtracted
from your payment method
every month.

Bill address:
(optional)

Here are some

Match ratio

#1

Location:
Owner:
people living in the house:
Monthly rent rate:

#2

#3

select

#4

select

Set up payment method so
that your monthly rent will
be auto subtracted from your
card

Card / Account Number:

Card security code:

Landlord preset interview
questions/notes for applicants
to answer. Applicants can
listening to and say out their
answers.

They can also request a
video interview with the
landlord.

Question 1: How much income do you
have every month?

Question 2: Are you able to live quiet
or loud?

Finish!

Info & House you select

location: Showing

House owner:

ppl living in house:

monthly rent rate:

buffer fee

basic fee

New info

Note: Not the real landlord, but you can book

I have a pet in my room.

Apply the room! back

Comments & scores

Leave a comment on your house:

Rate your house

You can rate/comment on your house.

You can also rate your mood.

Add a new house

Your mood today?

Sad Happy

0 0 0 0 0

Congrats! You can now move into the room

(map)

on Monday.

If you do not contact the landlord in one week,

points to the credit of housemates

Search history

private message

buffer fee has been

subtracted from your card.

You can check your bill every month in our app.

Credit Score Rent Account

Landlord can give

My house

points to the credit of housemates

Search history

private message

Comment & rate

My credit score

I want to leave this house

UI of this app

When you want to terminate the contract, the app will calculate your rent this month, and refund your security deposit. You can find a new house again, or simply quit

Message

Emergency Alert

Group

Can you turn down your volume?

XX

I received your rent!

XX

Print the bill Email the bill

Monthly payment:

Bill. You can print or send it to email

lower monthly payment

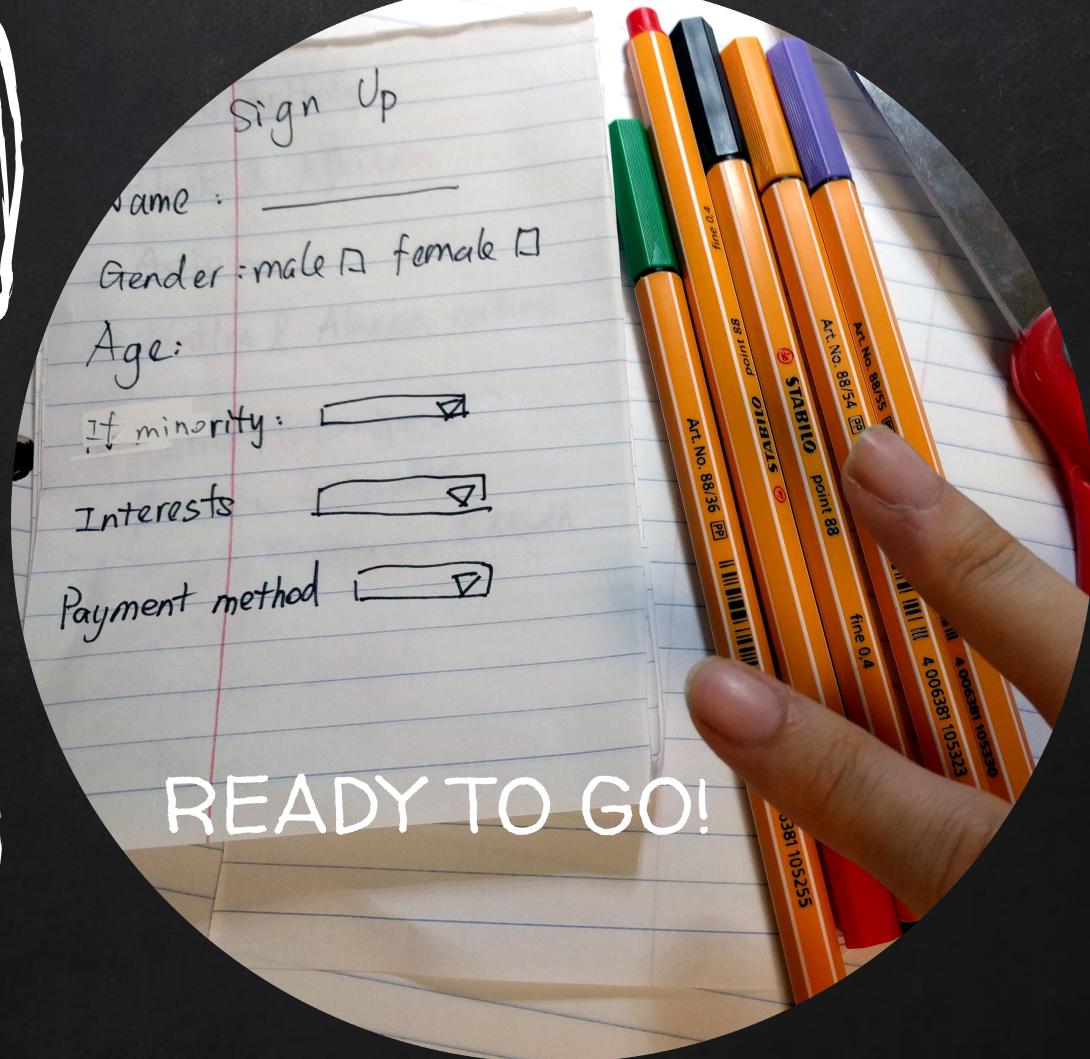
for October is

\$ 7.50

Print the bill Email the bill

Tested with my friend Yuting, Hu who is living in the Mirrelees house

She regards herself as an “apartment girl”



She has a lot of experience in renting houses for summer internships

She studies political science and has a large social network.



RESULTS

Things That Worked

Our tester likes the app very much. She pointed out that the app is:

- Easy to understand
- Clear interface
- Good to integrate social networking
- Establish credibility for users
- Good customer retention
- Easy payment

Things That Didn't Work

- She has a concern on the AI of this program. She thinks that the drop-down menu of "interest" should have more options. Also there can be more criteria for matching, such as educational background.
- More kinds of informative reference map. But it might raise ethical racial concerns.



RESULTS

Surprises

She asked me “where can I see the photo of my applicants?” We had never thought of this question that some people might care about the appearance of others in selecting a housemate.

New Learnings

Some people care about educational background as well. We should feed as many as data we can get from the users to the program to produce better match results for our users. But at the same time, we cannot make the users feel annoyed by the long background survey.



VALID

Whoa!



PROTOTYPE 2:

APP THAT RANDOMLY BRINGS YOU TO A NEW OUTDOOR LOCATION (INDOORS) BY SUGGESTING DIFFERENT THEMES



Discover

New

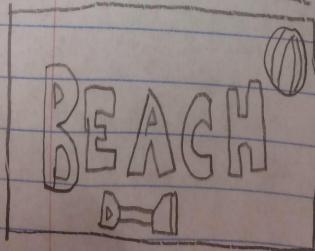
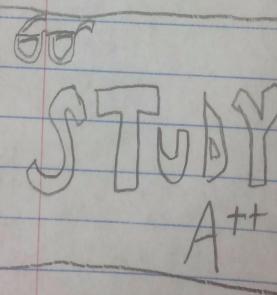
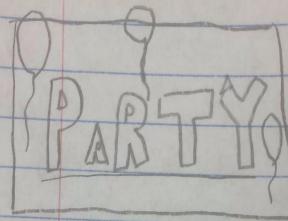
Moods!

My
Moods

Random
Mood

Preset
Mood

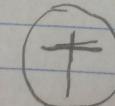
Preset Moods



My Moods

Work-Out

Date Night



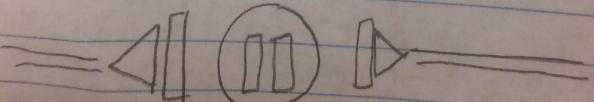
Random Mood | Preset Moods

Home | My Moods | Next Mood

SAVE

Welcome to the
Beach!

Explore



Falling Iration

Explore the Beach

Drinks/Food

Entertainment

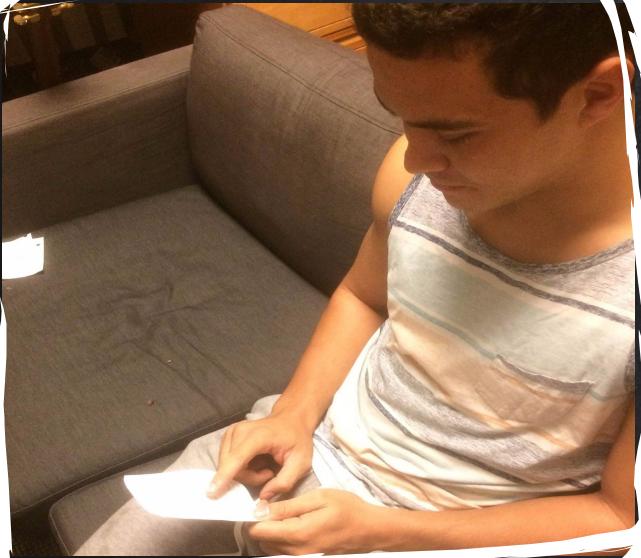
Music

Return to Beach | Next Mood

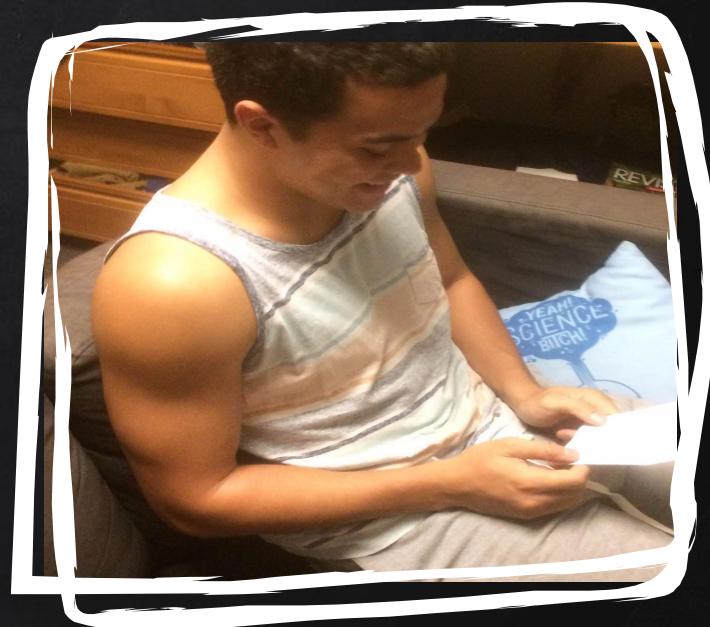


WHAT & HOW DO WE TEST

Description	Methods
<ul style="list-style-type: none">□ Simple UI on paper that allows user to pick 1 of 3 preset “moods” or randomize<ul style="list-style-type: none">○ Beach themed○ Study themed○ Party themed	<ul style="list-style-type: none">□ Prepared premade moods, where we act as app-automated mood generation<ul style="list-style-type: none">○ Music ready to be played○ Pre-printed food/drink recipes○ Pre-printed games/activities○ pre -printed movie ideas
<ul style="list-style-type: none">□ User upvote/downvote mood, save and rename mood for later, or switch to new mood	<ul style="list-style-type: none">□ UI has navbar to switch between:<ul style="list-style-type: none">○ different views of music/activities○ Different moods



- We tested this prototype on Quillan Smith
- Avid outdoorsman, loves going to the beach where he's from in Central California (San Luis Obispo)





RESULTS

Things That Worked

- User really enjoyed the different settings for music generation
- Liked that they can save “moods” for later, wanted to explore more than just 3 presets.
- Thought it was a fun idea for different party and social settings

Things That Didn’t Work

- Didn’t know if information such as generated games and activities would be useful
- Did not initially understand difference between “my moods” and “preset moods”
- Thought it was too similar to Spotify mood generated playlists



RESULTS

Surprises

- User did not immediately “Explore” a mood
- User had a “now what?” expression after clicking through mood and generating information

New Learnings

- Need to make “Explore” button more clear on what it does
 - Allows user to explore different activities and music related to current theme



INVALID

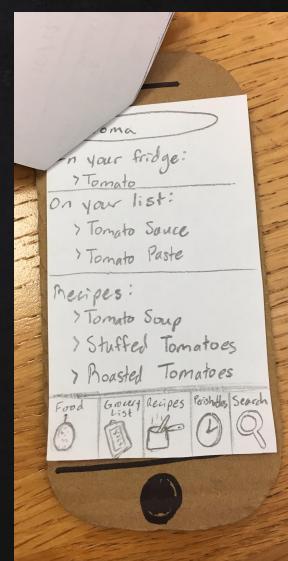
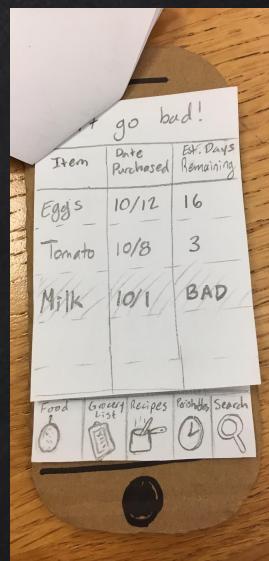
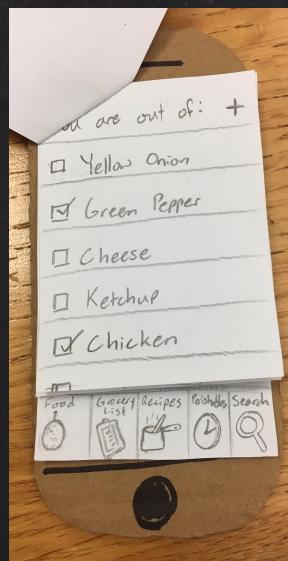
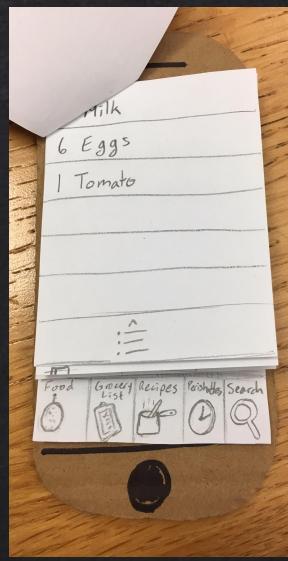
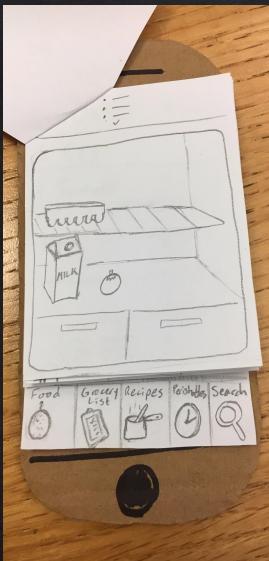
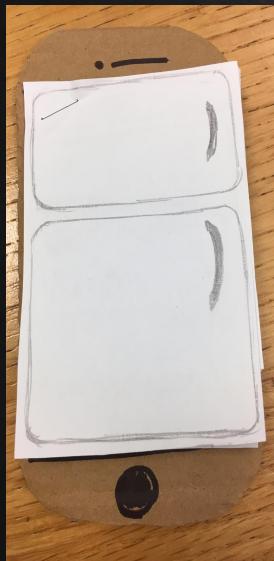
Sorry, you're out



PROTOTYPE 3

COMPUTER VISION TO MONITOR FRIDGE INVENTORY





Home Screen

Fridge View

Inventory List

Grocery List

Perishables

Search



WHAT & HOW DO WE TEST

Description

- iPhone cardboard cutout to mimic feel in hand
- Sketches on paper to mock each individual view
- Common nav bar at bottom to flip between views

Methods

- Tested prototype on Alex Nguyen-Phuc
 - Member of Cru Pop-up Dinners, sells and produces a gourmet dining experience for Stanford students
 - Loves food and cooking, has a fridge full of perishable snacks



WHAT & HOW DO WE TEST

Methods (cont.)

- Set scene with her getting a notification that she was out of eggs
- Had her check fridge and first view in app to verify and put her more in the scene
- Flipped to grocery list to check that she had replaced them
- Viewed recipes using eggs, and viewed how long until the eggs would go bad





RESULTS

Things That Worked

- Incorporation of handheld device seemed like it made idea more realistic for the scene
- Navbar made flipping from page to page easier

Things That Didn't Work

- Swipe-down on 2nd view to see inventory was not intuitive



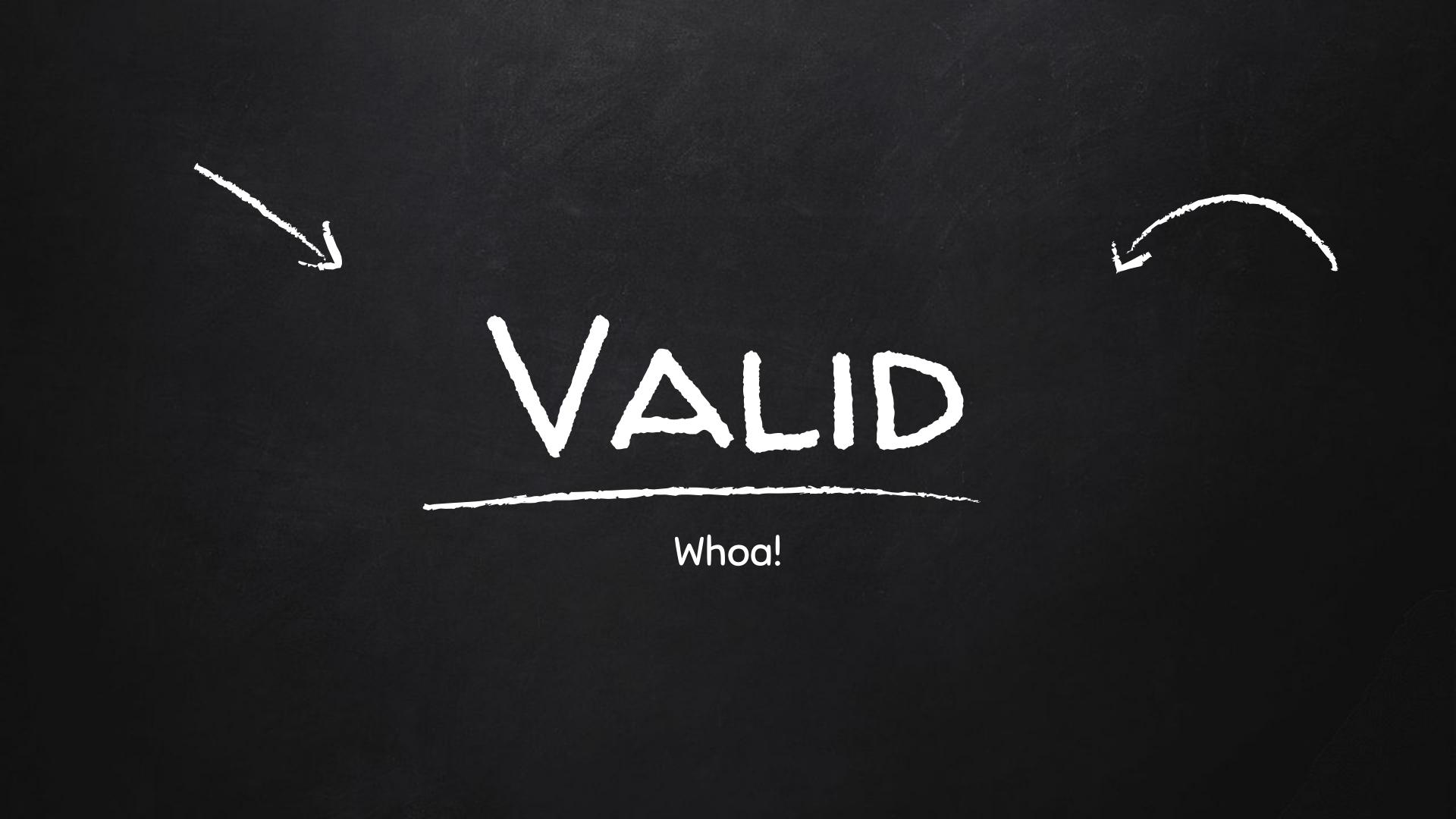
RESULTS

Surprises

- Really liked the automatic generation of the grocery list/the grocery list feature in general
- UI and navigating around the app was hard for her to understand on the first pass

New Learnings

- Recipes should be filterable by difficulty and cooking/prep time
- Not everyone cares about tracking expiration dates



VALID

Whoa!

THANK YOU FOR LISTENING!

Any questions?