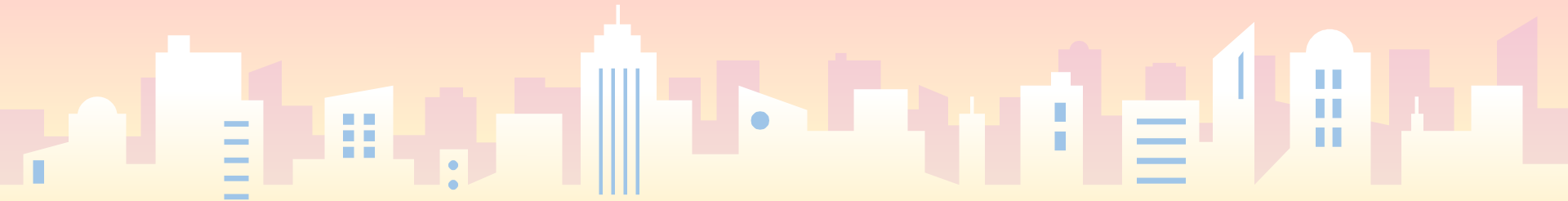


# HouseMates

## Medium-Fi Prototype

*Ali S, Ben B, Jeff C, Sean C*



# The Team at HouseMates



*Ali S*



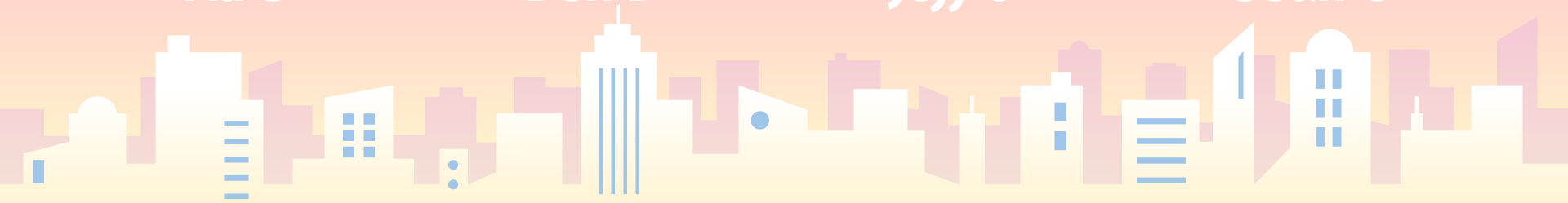
*Ben B*



*Jeff C*

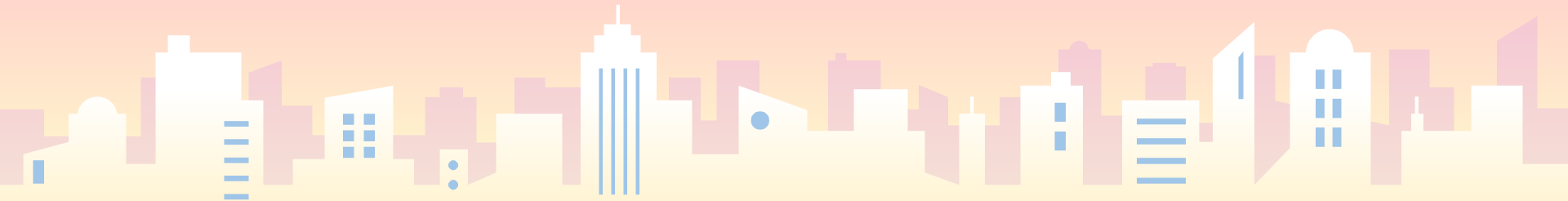


*Sean C*



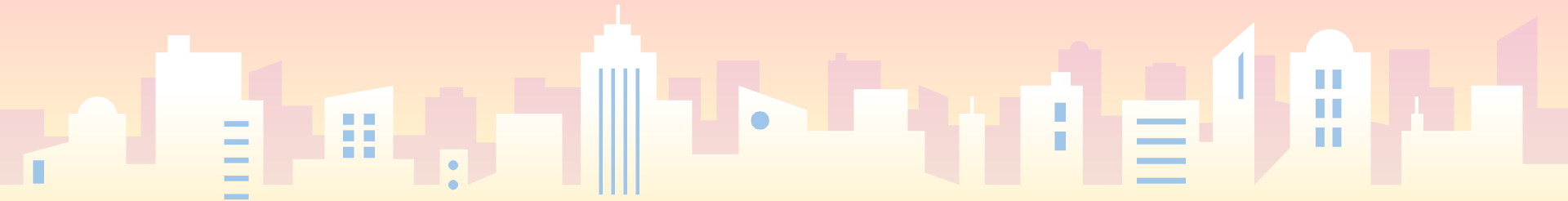
# Value Proposition

Connecting Help-Seekers  
with Home-Seekers



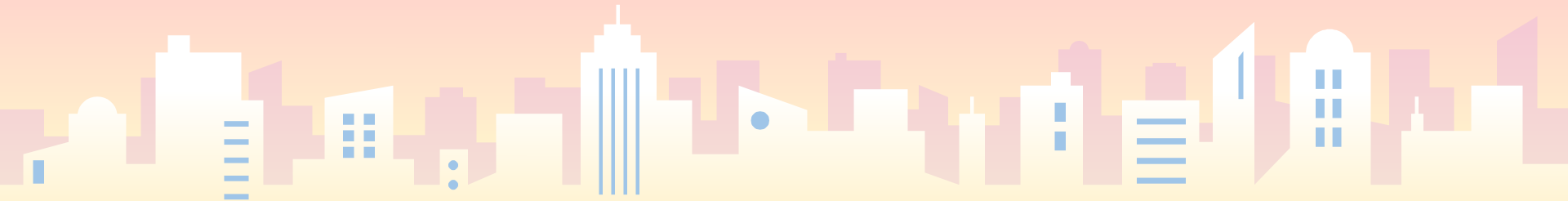
# Problem

People with accessibility concerns have a hard time finding and trusting live in help. People searching for housing struggle to find affordable and reasonable housing.

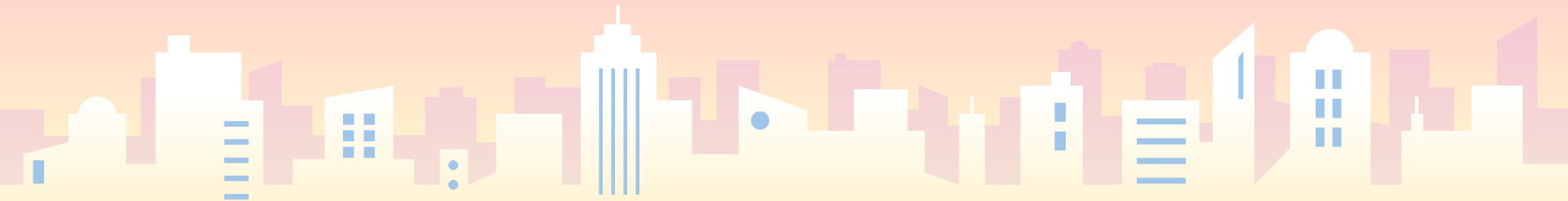


# Solution

We aim to connect help-seekers and home-seekers more easily and establish trust/expectations to make life easier for both parties.



# Tasks

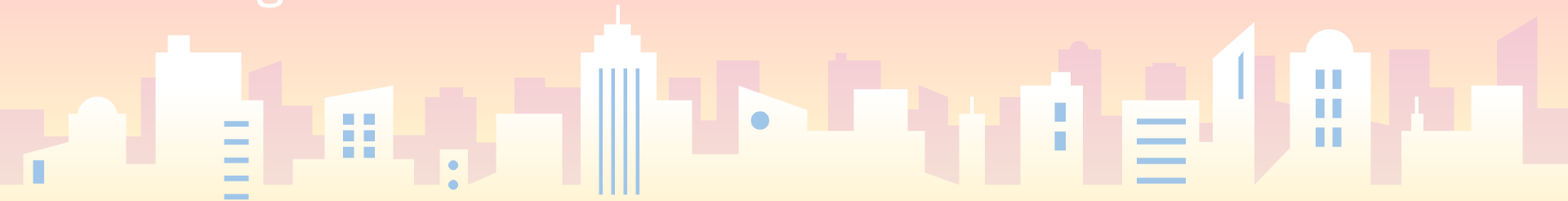


# Tasks: Home-Seeker (Tom)

**Simple:** Tom searches for a housing opportunity

**Moderate:** Tom discusses with help-seeker expectations and signs contract for agreement

**Complex:** Tom compares different housing opportunities and weighs cost and benefits

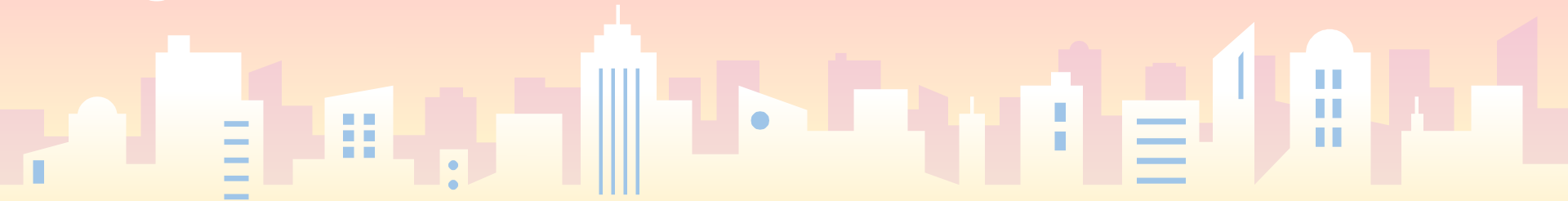


# Tasks: Help-Seeker (Ernest)

**Simple:** Ernest searches for live in help

**Moderate:** Ernest discusses with home-seeker expectations and signs contract for agreement

**Complex:** Ernest compares different applications and weighs cost and benefits

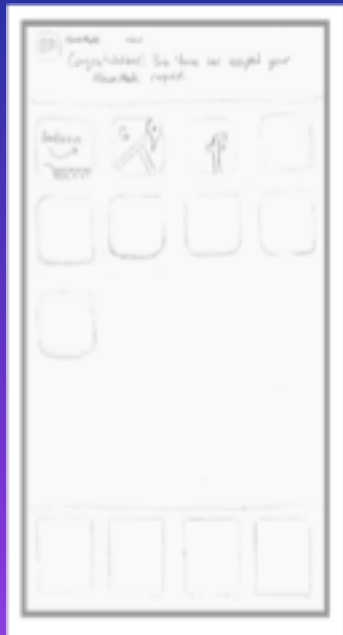


# Revised Interface Design

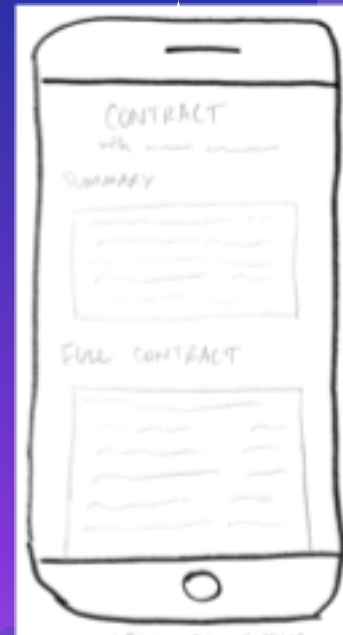


# Problem 1: Trust & Contract Agreement

Previous concerns over **lack of contract** in agreement. Low-fi prototype solely notified user (help-seeker) when application accepted.

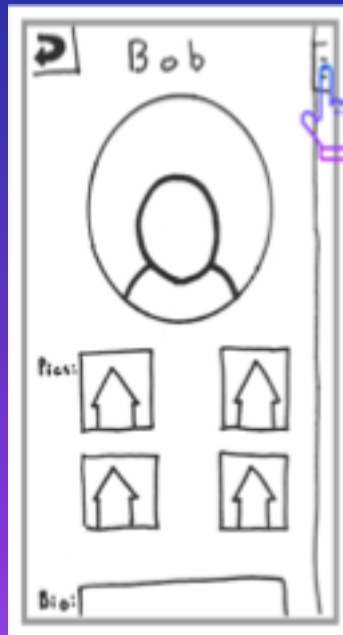


Added a **contract feature** that is shown on the app, can be modified, and then is sent to the profile/user of interest.



## Problem 2: Displaying Living Spaces

Users were often unsatisfied and confused by the house image format that was previously used. Overall **desire for more detail** about the living space to make better decisions.



Added an **augmented reality/3D model** option of the living space for individuals to walk through and inspect. Helps users visualize living space.



# Problem 3: Help-Seeker Interface

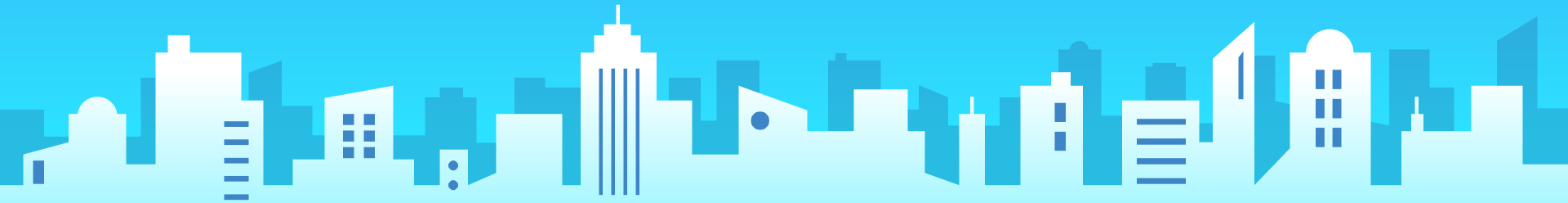
Questions about whether elderly people or individuals with accessibility concerns would be able to use the app correctly or be comfortable using an app on a smartphone.



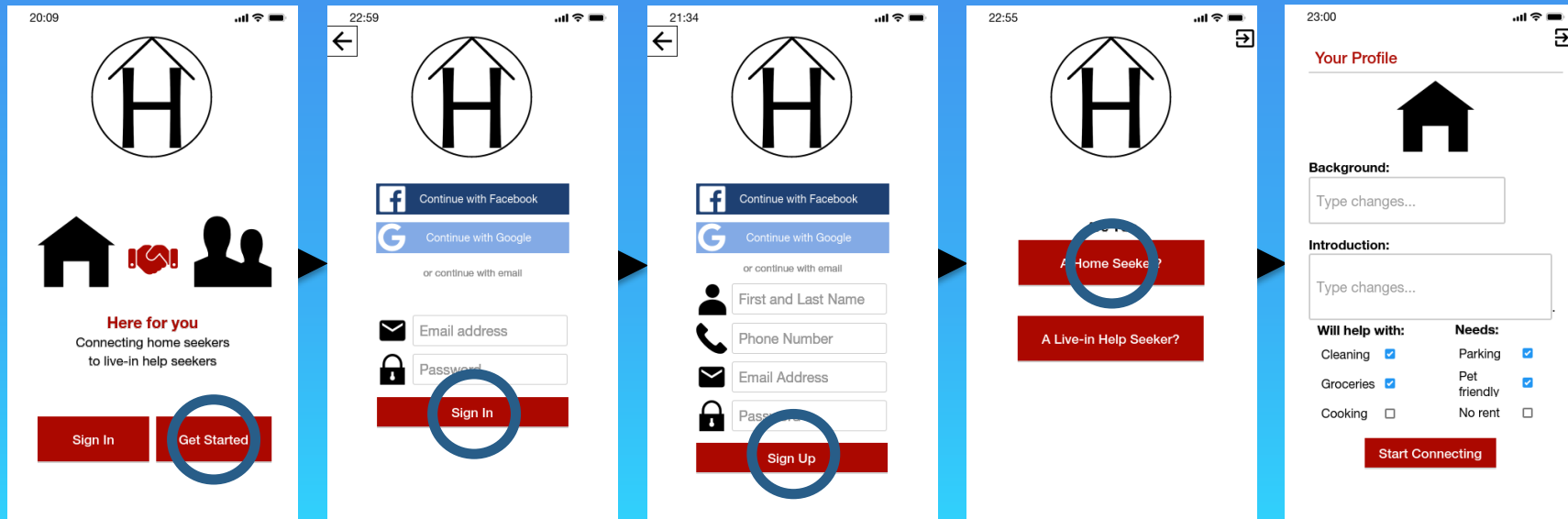
Added a help-seeker registration process that involves a phone call to set up a user's profile, and to schedule a meeting to learn information for the profile.



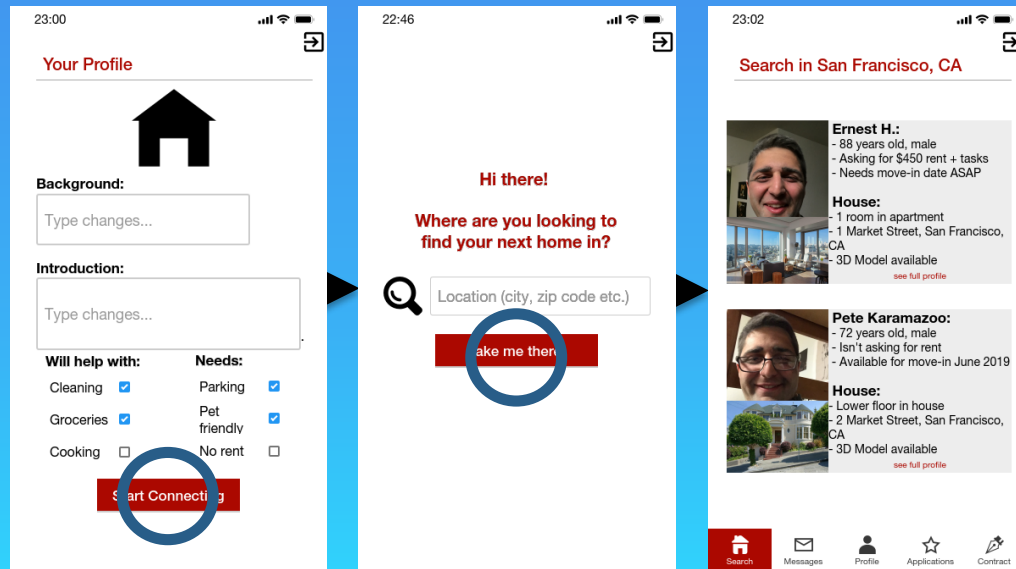
# Home-Seeker Task Flows



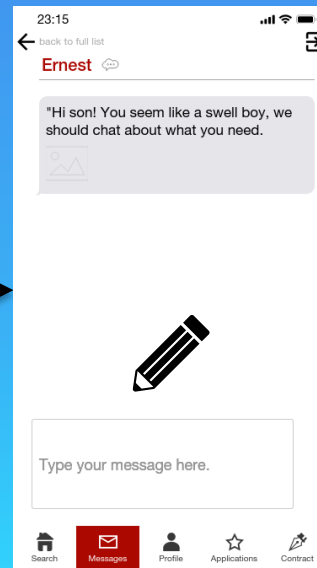
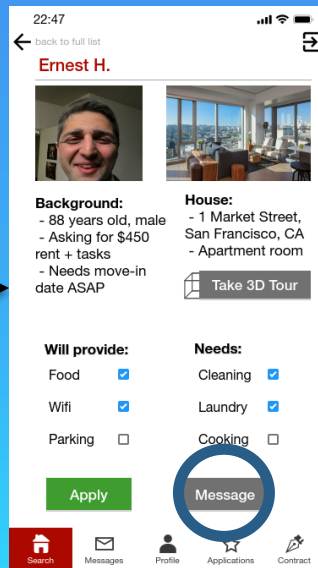
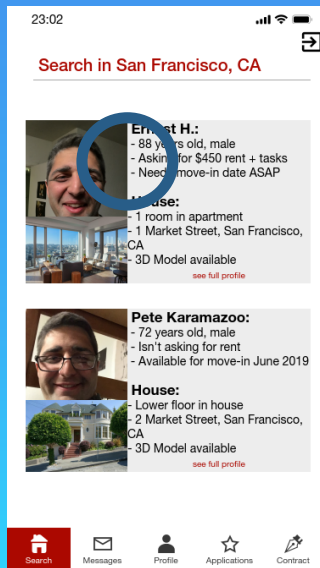
# Home-Seeker: Searching for housing



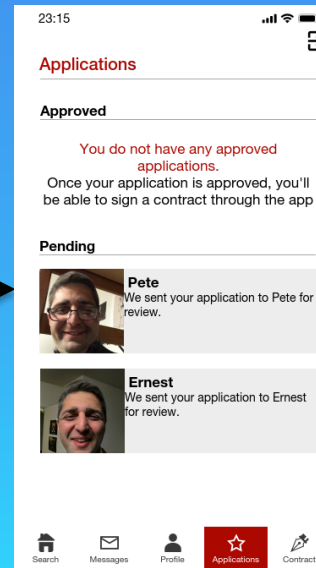
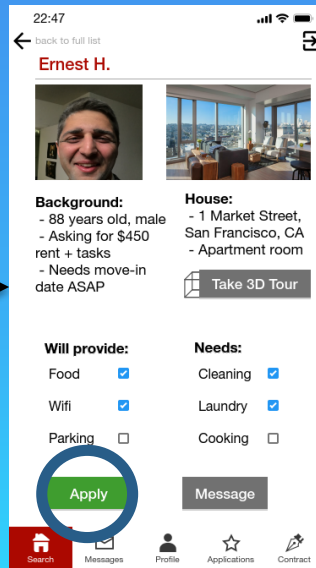
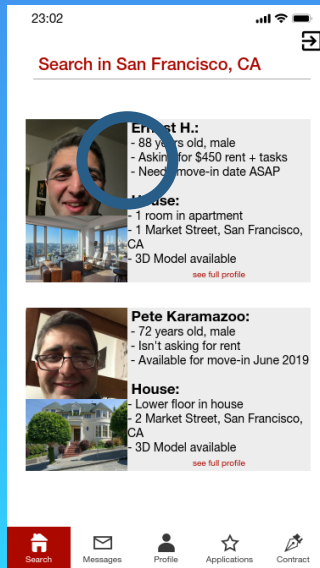
# Home-Seeker: Searching for housing



# Home-Seeker: Discussing + Contract



# Home-Seeker: Discussing + Contract



# Home-Seeker: Comparing Hosts

23:02

Search in San Francisco, CA

**Ernest H.:**

- 88 years old, male
- Asking for \$450 rent + tasks
- Needs move-in date ASAP

**House:**

- 1 room in apartment
- 1 Market Street, San Francisco, CA
- 3D Model available

[see full profile](#)

**Pete Karamazoo:**

- 72 years old, male
- Isn't asking for rent
- Available for move-in June 2019

**House:**

- Lower floor in house
- 2 Market Street, San Francisco, CA
- 3D Model available

[see full profile](#)

Search Messages Profile Applications Contract

22:47

back to full list

**Ernest H.**

**Background:**

- 88 years old, male
- Asking for \$450 rent + tasks
- Needs move-in date ASAP

**House:**

- 1 Market Street, San Francisco, CA
- Apartment room

Take 3D Tour

**Will provide:**

- Food
- Wifi
- Parking

**Needs:**

- Cleaning
- Laundry
- Cooking

Apply Message

Search Messages Profile Applications Contract

23:02

Search in San Francisco, CA

**Ernest H.:**

- 88 years old, male
- Asking for \$450 rent + tasks
- Needs move-in date ASAP

**House:**

- 1 room in apartment
- 1 Market Street, San Francisco, CA
- 3D Model available

[see full profile](#)

**Pete Karamazoo:**

- 72 years old, male
- Isn't asking for rent
- Available for move-in June 2019

**House:**

- Lower floor in house
- 2 Market Street, San Francisco, CA
- 3D Model available

[see full profile](#)

Search Messages Profile Applications Contract

22:51

back to full list

**Pete Karamazoo**

**Background:**

- 72 years old, male
- Isn't asking for rent
- Available for move-in June 2019

**House:**

- Lower floor in house
- 2 Market Street, San Francisco, CA

Take 3D Tour

**Will provide:**

- TV
- Parking
- Pet friendly

**Needs:**

- Cooking
- Driving
- Cleaning

Apply Message

Search Messages Profile Applications Contract

23:04

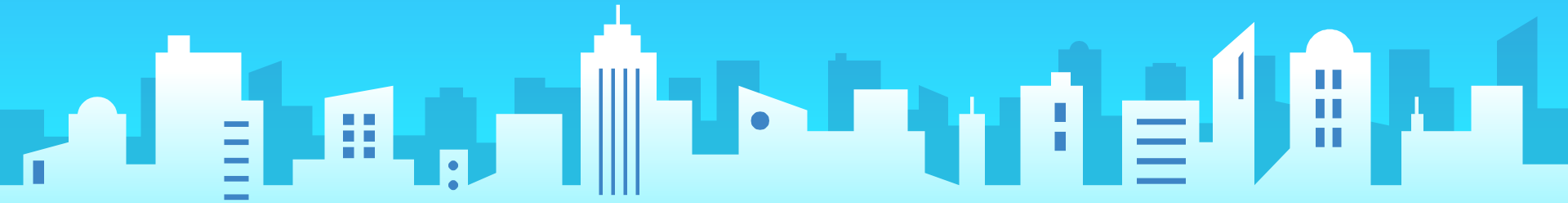
back to full list

**Pete's Home**

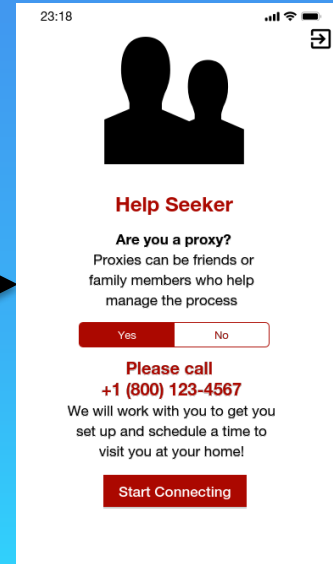
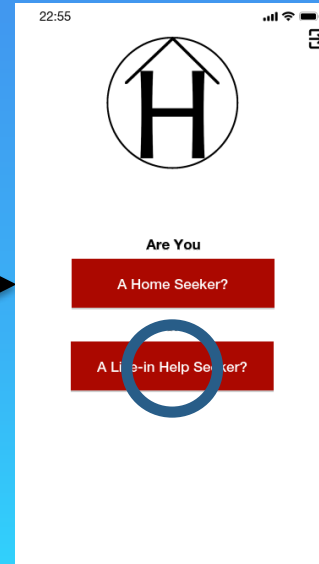
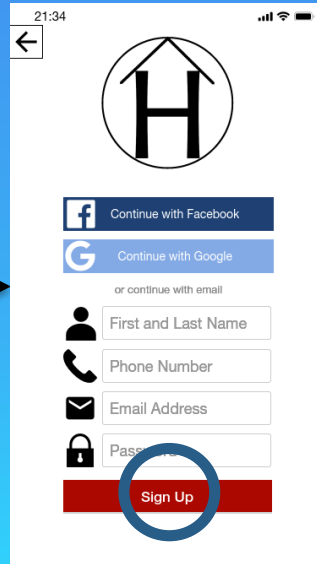
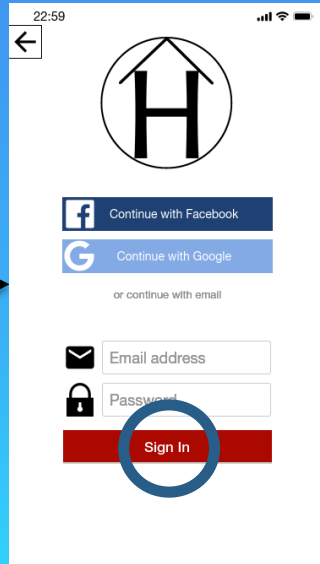
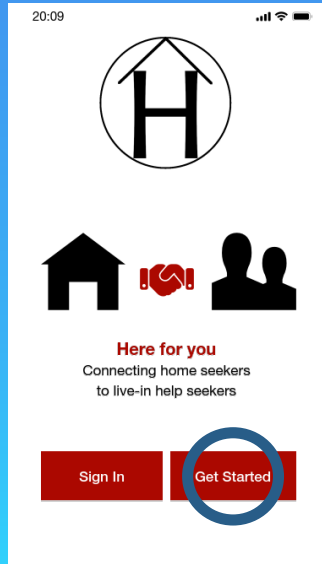
Apply Message

Search Messages Profile Applications Contract

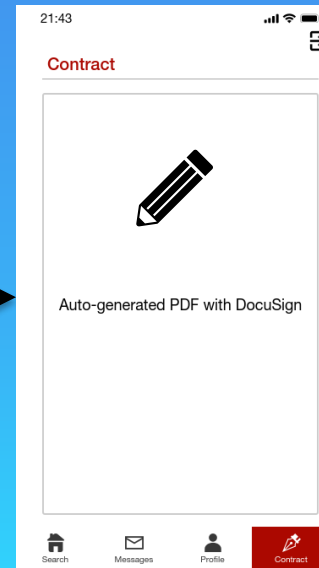
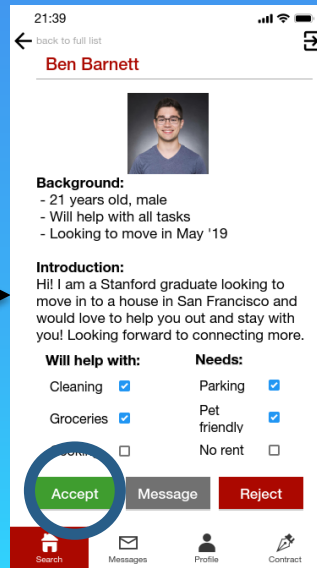
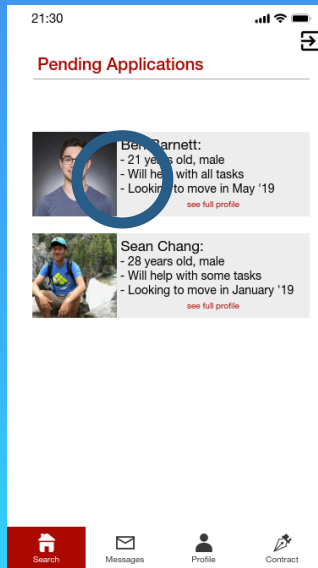
# Help-Seeker Task Flows



# Help-Seeker: Searching for live in help



# Help-Seeker: Contract/Agreement



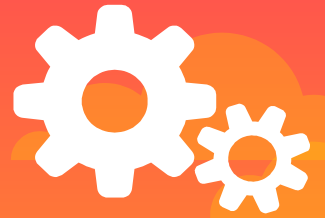
# Help-Seeker: Comparing Applications

The sequence of screenshots illustrates the user's decision-making process:

- 21:30 Pending Applications:** Shows two applications. Sean Chang's profile is circled in blue.
- 21:39 Sean Chang Profile:** Shows detailed information for Sean Chang, including his background, introduction, and needs. The 'Reject' button is circled in blue.
- 21:30 Pending Applications:** Shows the list again, with Sean Chang's profile circled in blue.
- 21:39 Ben Barnett Profile:** Shows detailed information for Ben Barnett, including his background, introduction, and needs. The 'Accept' button is circled in blue.

# Prototype Information

# Prototype: Tools



## Proto.io

- Sketches
- Templates + icons
- Button Management/Transitions
- Task Flows
- Layout of Screen
- Color Design
- Note user gestures

## Pros

- Highlights interactive areas
- Solid emulation of app
- Allows for Commenting

## Cons

- Buggy Upload
- Can't copy and paste transitions
- No collaboration (free trial)
- Lacked logo choices

# Prototype: Limitations



- Profile and message input unsaved (requires data capturing)
- Not complex enough task flow (requires further mapping)
- Blank contract pages (emphasis on searching and comparing)
- Partial applications (no applications accepted so left applications partially complete)
- 3D tour only emulated via photos (for simplicity)

# Prototype: Wizard of Oz + Hardcode



## Wizard of Oz

- Sign in assumed completed/user had previous account
- Help seeker knows to press “Start Connecting”

## Hard-Coded Features

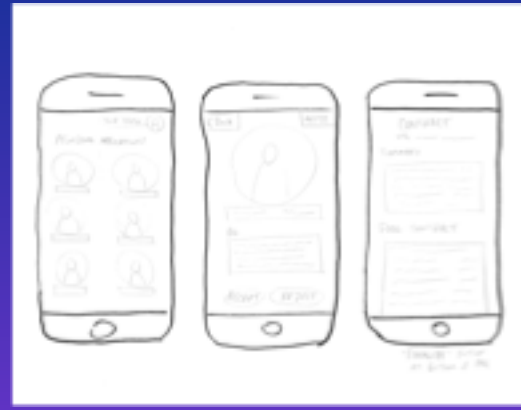
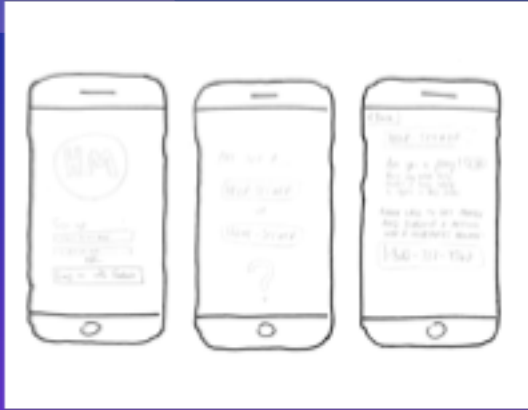
- Sample Users and Profiles (Names, Location, Info, Visuals)
- Contract
- Completed Application

*Thank you*

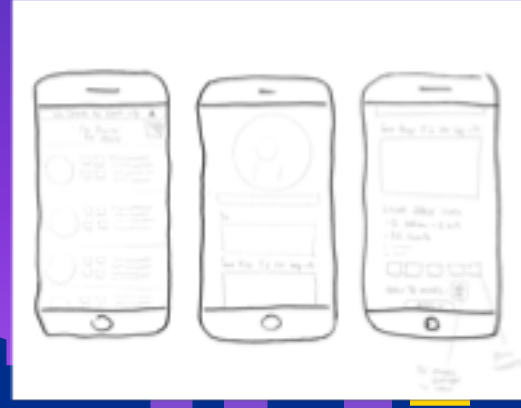
*Link to Medium-Fi Prototype: <https://pr.to/IF39UJ/>*



# Revised Low-Fi Prototype



**Home  
Seeker**



**Help  
Seeker**