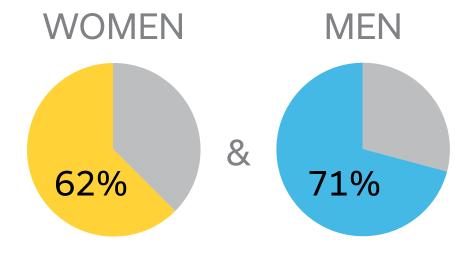


MISSION STATEMENT

Hound [®] focuses on giving dog owners the confidence to leave their dogs in the hands of caretakers with live updates and a schedule. The goal is to give the owner the feeling of ease while their dog goes on adventures with the chosen caretaker.

PROBLEM



who were born between the 1980 and 2000 are more likely to own dogs over having children

59% of these people are single

1 out of 5 dogs are placed in crates while the owner is away from home.

Working a full-time job, going to college, or both while owning a dog can cause strain into the household. Research shows that leaving a pet alone can cause stress and anxiety on the pet. This leads to destruction and bad behavior habits. This is where pet daycares become an important factor to single pet owners. They are a place where pets can be watched, walked and feed while the owner is working or running errands. However, pets are considered the new child for the younger generation and pet owners are more likely to treat their dogs more like children. Leaving a pet that is considered a child alone with a stranger can be scary and not knowing the progress and behavior of the pet doesn't help either.

SOLUTION

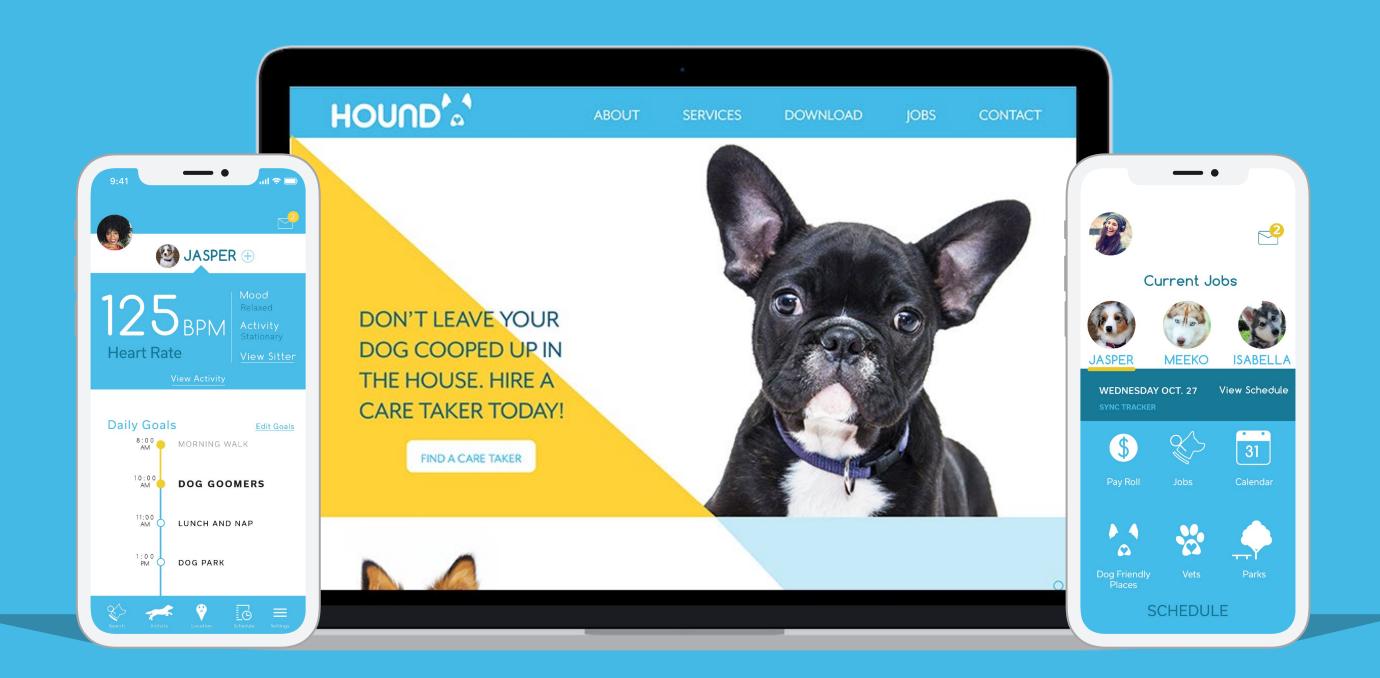
Create an IOT and application to help pet owners keep tabs on their pets while they are taking care of business. Getting updates on how the pet's health, behavior, and what they learn that day will help reduce the stress of worrying about their furry baby.

COMPONENTS

Smart Dog Collar Tracker & App that keeps owners notify

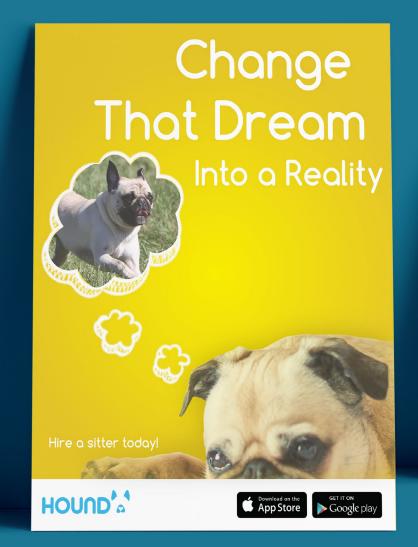
REPUTATION

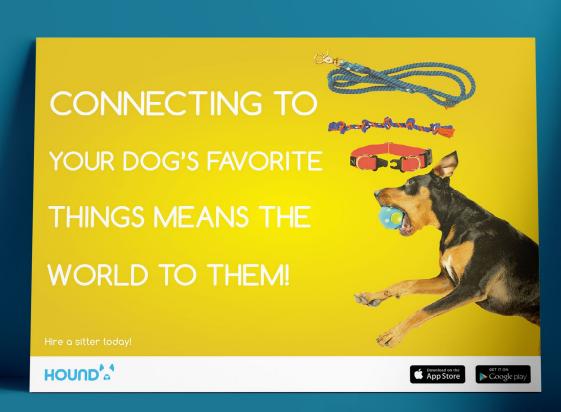
Hound focuses on connecting dogs and owners with sitters to help owners keep track with everything their dog is up to and receive live feedback from sitters. The dog trackers and app keeps live updates on daily activities, mood changes, and current location. Hound's main focus is to keep dog owners who leave their dogs alone for certain times of the day feel at ease when leaving them with a sitter. Hound users can connect via the app on multiple devices so the owner is never out of the loop. Keeping dogs safe is our number one priority.

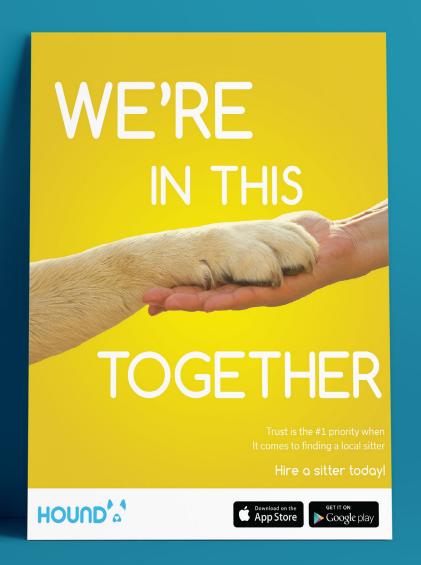
















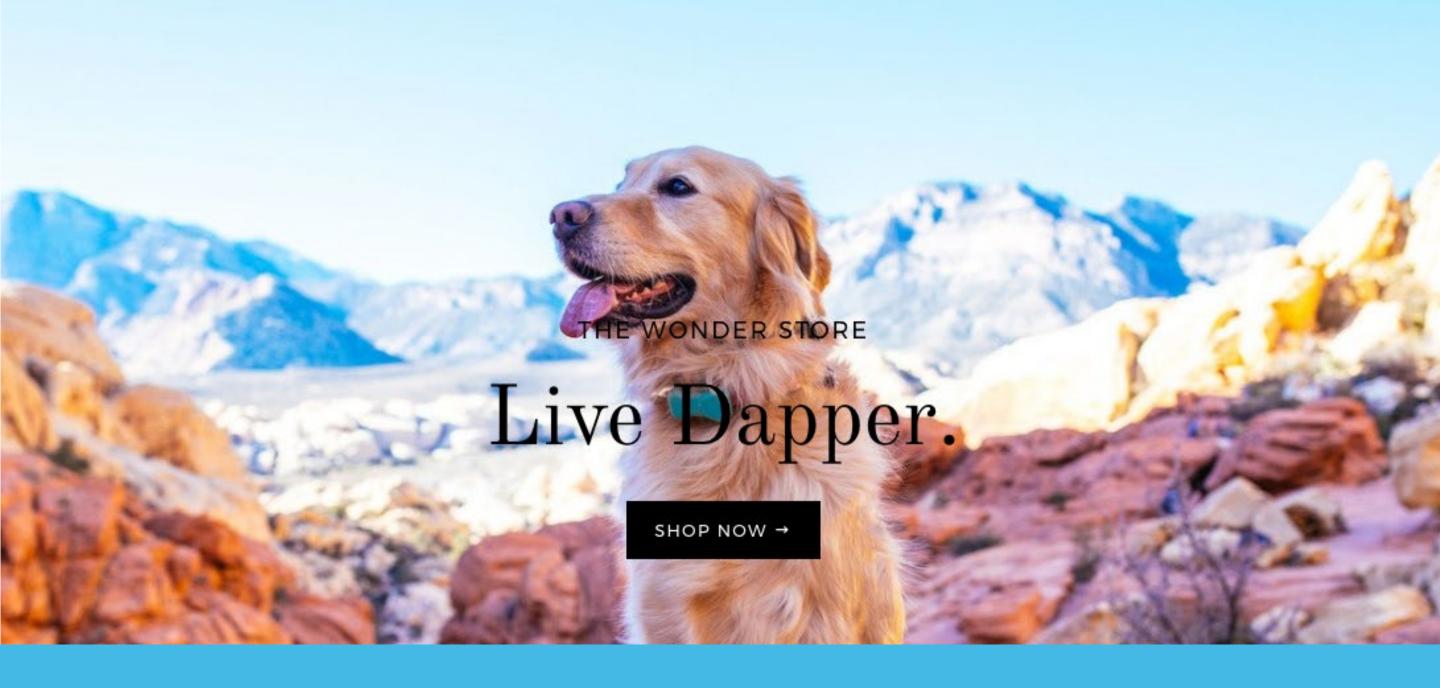












Dog activity tracker that tracks daily progress with recommended activity targets based on size, breed, and age. Map walks, set care reminders, add caretakers, and connect with dog lovers.

PROS

WONDERWOOF WALK-WAG-WANDER

Tracks health and activity, recommends activities base on the dog, set reminders, and schedule settings

CONS

Bulky shaped collar, only for health tracking, no GPS





Be pawsome together

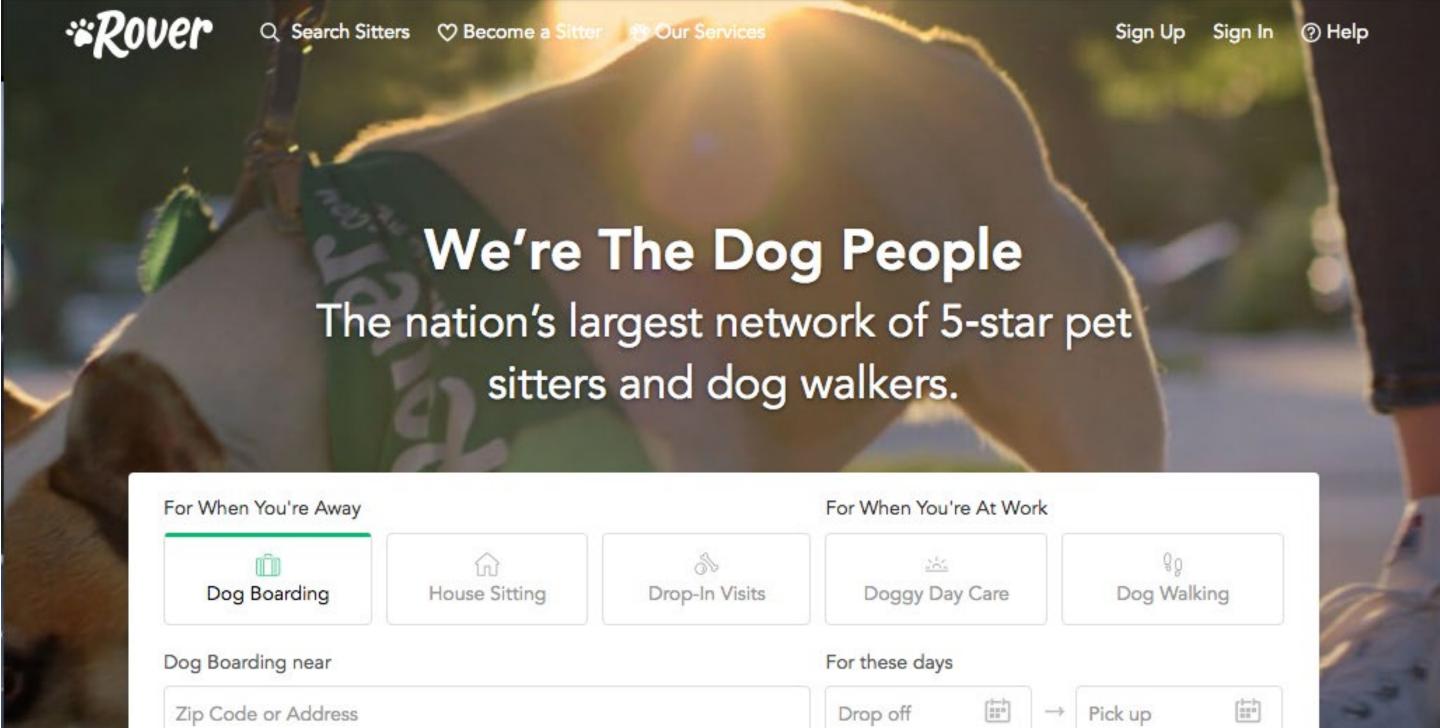
Dog activity tracker that monitors time spent walking, running, playing and resting. Sets goals, tracks progress and calculates calories.

PROS

the stylish and simple tracker can attach to any collar, waterproof

CONS

velcro strap on the tracker (prone to being lost), have to press a button on the tracker to get data on the app, is not compatible with other devices, no GPS



Rover is a dog sitting services that connect owner to the sitter. The sitters can keep the owners up-to-date with the dog's activity through app updates.

PROS

Tracks activity, keeps owner and sitter connected, owner can stay posted on their dog

CONS

None

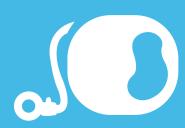
TARGET AUDIENCE



Middle to upper class demographic



Single or couples who leave their dogs unattended in a kennel for a certain amount of hours a day



Who usually uses dog daycares or hire sitters to watch their dog



20-40+ age that are replacing children with owning dogs

WORD LIST

BEST FRIEND ENERGETIC PET COMPANION **FURRY FAMILY** LOYALTY WAG **TRUST** LOVE ACTIVE PUP HOUND PAW POOCHIE





COLOR SCHEME

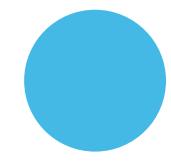
To maintain brand consistency, please use the following color scheme without implementing additional colors



CMYK: 6 14 93 5

RGB: 229 198 41

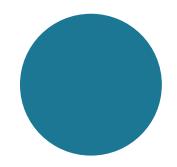
HEX: #e5c629



CMYK: 62 6 1 0

RGB: 70 186 231

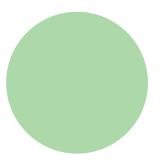
HEX: #46bae7



CMYK: 86 43 93 5

RGB: 27 119 148

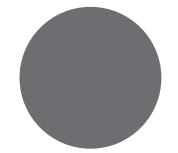
HEX: #167794



CMYK: 34 0 42 0

RGB: 171 216 170

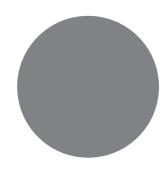
HEX: #abd8aa



CMYK: 0 0 0 70

RGB: 109 1110 113

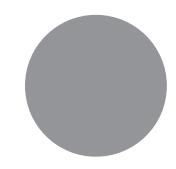
HEX: #6d6e71



CMYK: 0 0 0 60

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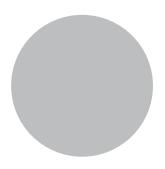
HEX: #808285



CMYK: 0 0 0 50

RGB: 147 149 152

HEX: #939598



CMYK: 26 20 19 0

RGB: 188 190 192

HEX: #bcbec0

TYPOGRAPHY

Please follow these typographical guidelines to maintain brand consistency

For Headers: Please only use the

following font: Comfortaa, bold

Header

Comfortaa Bold 35 pt For Logo: Please only use the

following font: Arista, Regular

Logo

Arista Regular 35 pt

For Long Bodies of Text and Subheaders: Please only use the following font: Usual, Light and Regular

This is body text. This is how all the general information will look. Body text contains the information and description of the page you are reading. This sample text is to show how it would look in this type of weight and size of the font.

Light 15 pt

This is subheader text. This is how all the subheaders for the page will look.
Subheader contains the additional headline

that goes with the main headers. This sample text is to show how it would look in this type of weight and size of the font.

Regular 15 pt

LOGO IMPLEMENTATIONS

Main Logo

Main Logo With White Text

One Color







One Color Inverted

Black On White

White On Black







MARK IMPLEMENTATIONS

Main Mark



Main Mark With White



One Color



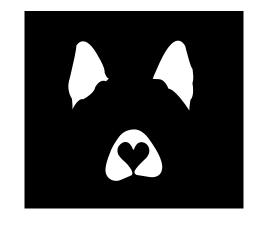
One Color Inverted



Black On White

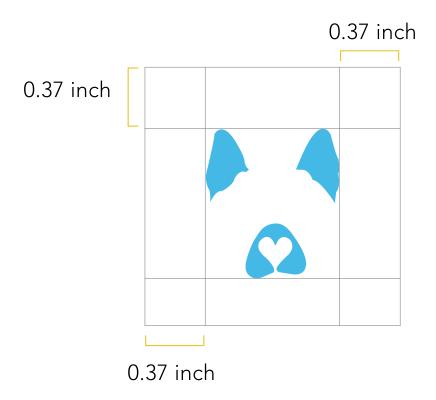


White On Black



CLEAR SPACE





CLEAR SPACE

The minimum distance from the edge of the logo to any other graphic element is 0.37 inches

LOGO MISUSE

Please follow these guidelines to maintain brand consistency



Do not alter logo or wording of the logo



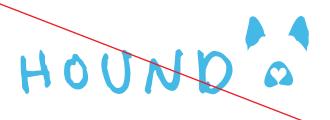
Do not alter any colors of the logo



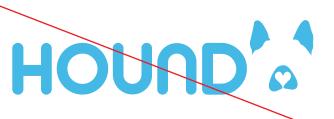
Do not disort any part of the logo



Do not reduce size of logo to the point of being unlegiable minimum height one inch



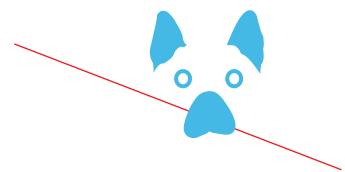
Do not change font of logo



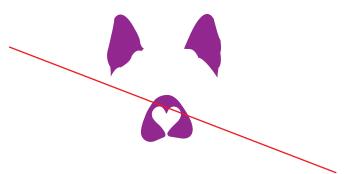
Do not place logo in front of photo or solid background in a way that makes the logo difficult to see or read

LOGO MISUSE

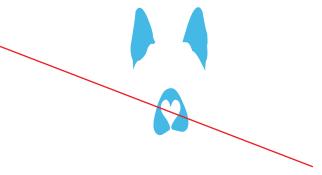
Please follow these guidelines to maintain brand consistency



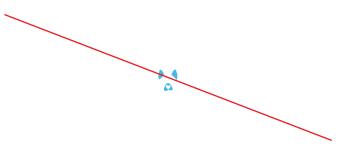
Do not alter mark



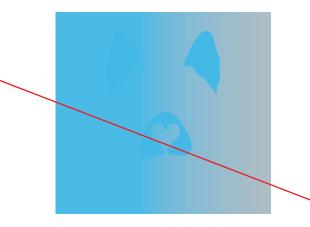
Do not alter any colors of the mark



Do not disort any part of the mark



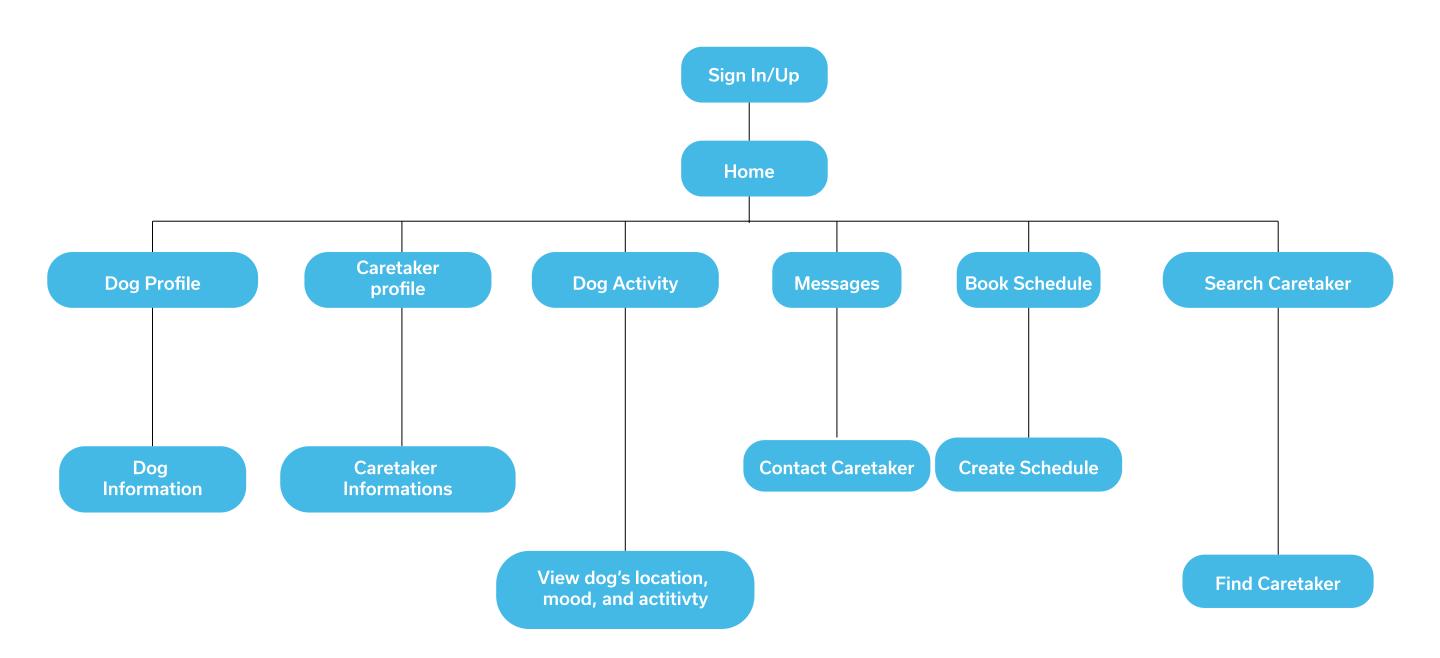
Do not reduce size of mark to the point of being unlegiable minimum height one inch



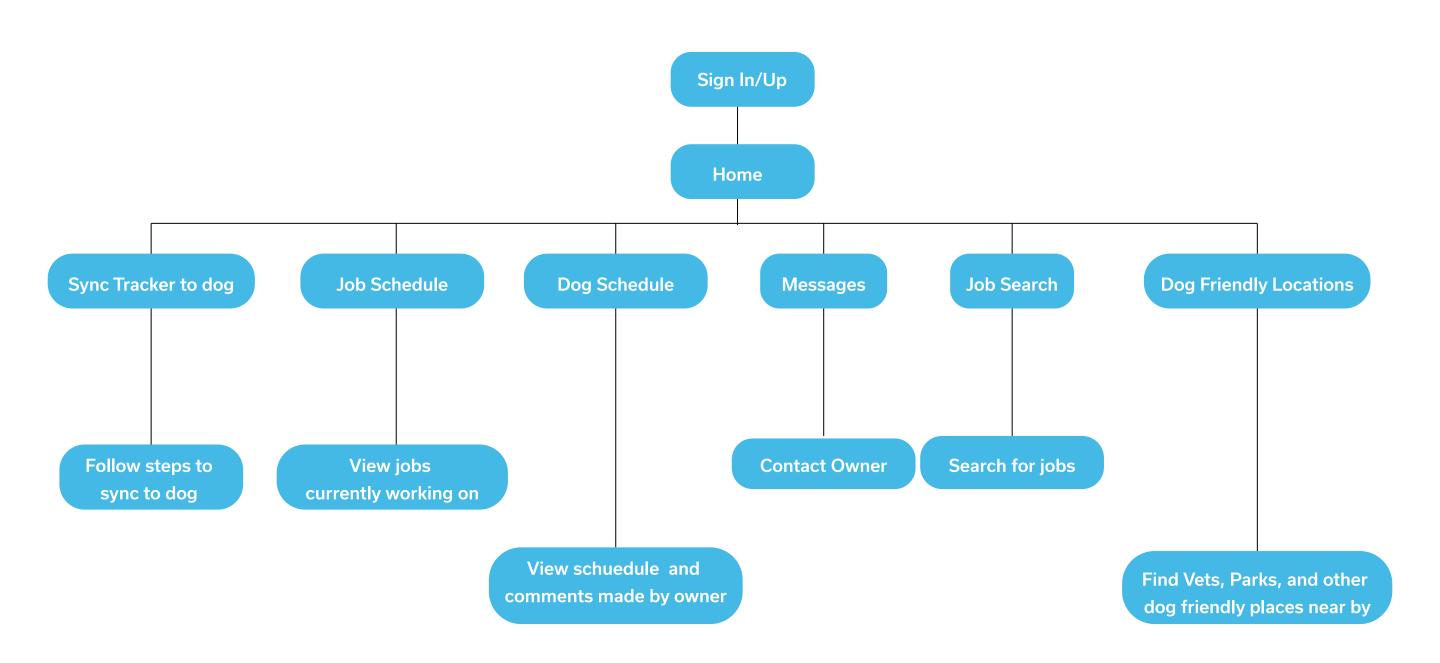
Do not place mark in front of photo or solid background in a way that makes the mark difficult to see or read



OWNER SITE GUIDE

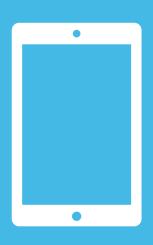


CARETAKER SITE GUIDE





OWNER APP



-Check dog activity, mood changes, and heart rate

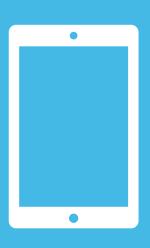
-Set schedule for the dog

-Communicate with caretaker about updates with the dog

-Find local caretakes to watch dog

-GPS location to locate dog

CARETAKER APP



-Send updates to owners about dog's activites

-Search jobs in area

-Check view and update schedule

-Sync dog collar tracker to dog



HOW IT WORKS

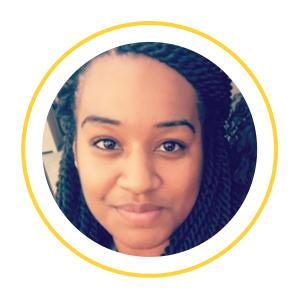
By collecting data from the smart tracker, an AI (artificial intelligence) collects data from the accelerometer, gyroscope, and magnetometer to determine the dog's mood. This data consists of the change in heart rate, rapid or no movement, shaking, too much or no sleep, eating habits, and changes in activities. When dogs' emotions shifts, they show it through movement and habit. This form of detection can help an owner know how their pet is feeling when under new care.

WHY IS THIS IMPORTANT

If detecting emotion shifts in dogs are caught sooner, owners can be at ease on planning their next actions. Dogs are emotional creatures who consistently communicate with their owners through habit or actions. This form of tracking can help owners understand their dogs and to see how they are being treated under new care while away.



PERSONAS - OWNERS



Brenda 24 Occupation Banker

Berkeley, CA

Brenda works at a popular bank and is gone the majority of the day. She is usually always tired when she gets home. Also, she has a daughter to take care of. Her dog, Tyson, is a very energetic boxer breed who needs daily activity. Brenda appreciates Hound because she is able to schedule a caretaker to take Tyson on walks and keep him busy during the day.



Josh 29 Occupation Photographer San Jose, CA

Josh is a traveling photographer and goes on long trips occasionally each every other month. Lucy, his Maltese mix, cannot travel with him to certain locations. Josh uses Hound's services for overnight boarding and care. It gives Josh an ease of mind knowing his dog is being taken care of by a caretaker he can trust.



Chris 30 Occupation Construction

Chris is a construction worker who never has the time or energy to walk his dog. He works day shifts at the warehouse and has to leave his husky, Anubis, alone all day. Anubis has separation anxiety and cannot be left alone in the house. Chris relays on Hound to fond a caretaker who will take care of Anubis all day and keep him entertained.

Brentwood, CA

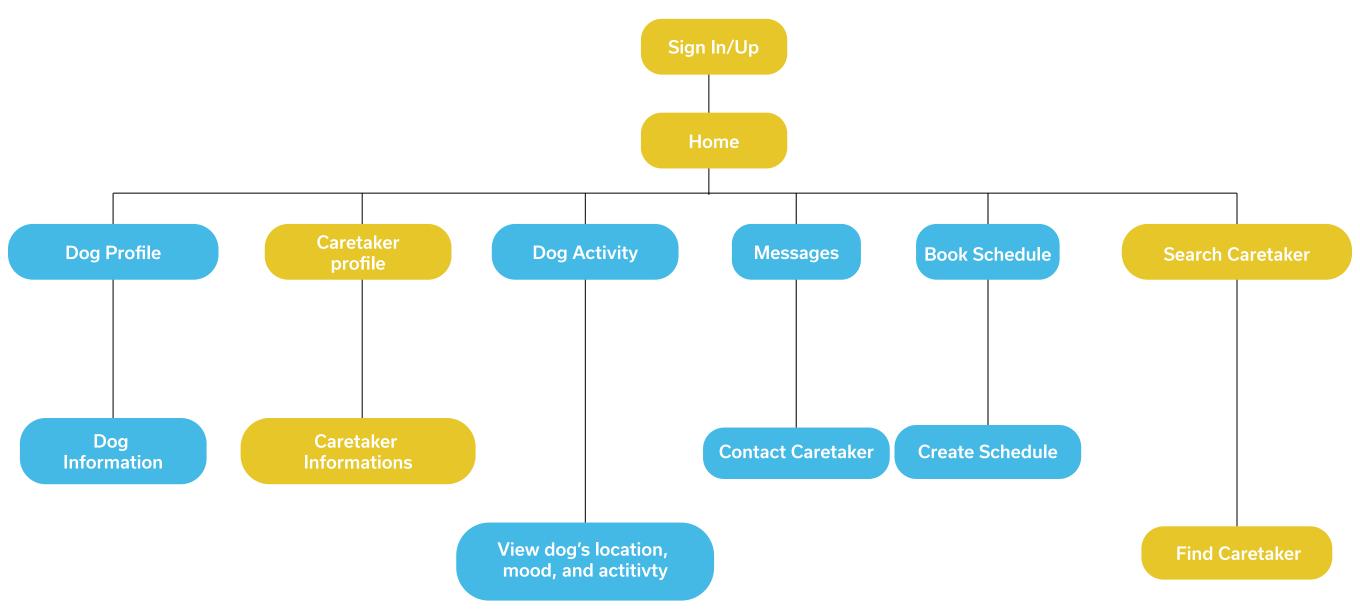


USER FLOWS - OWNERS



Brenda

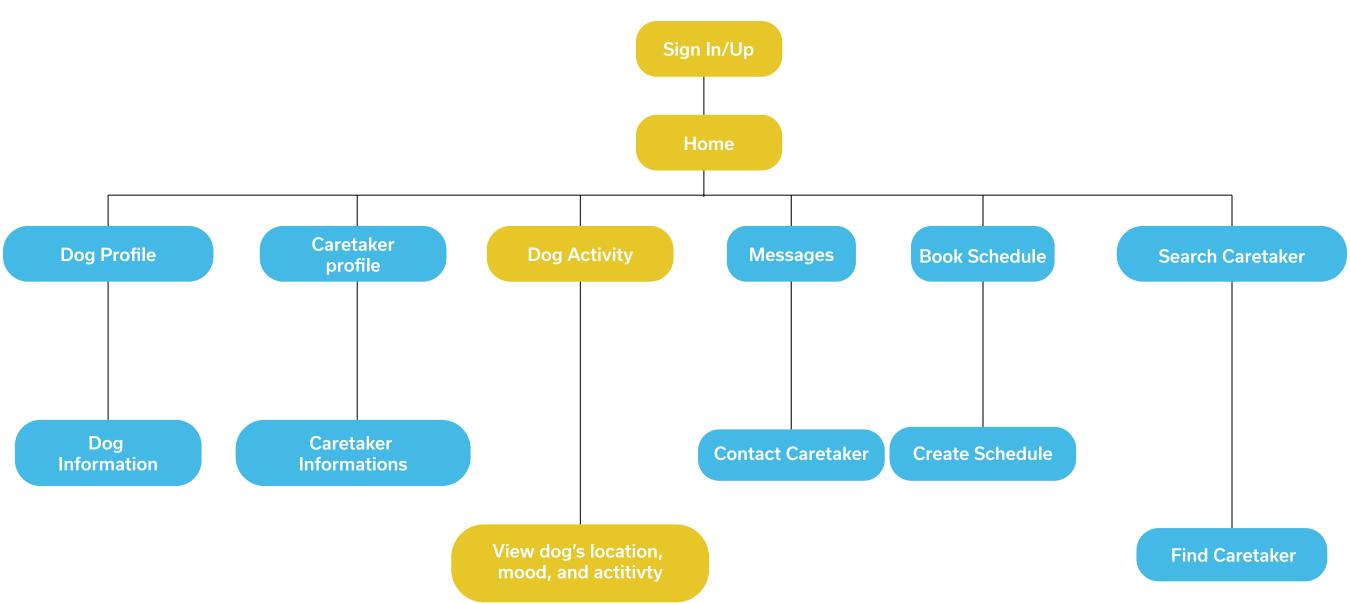
Need to request a caretaker to walk her dog





Josh

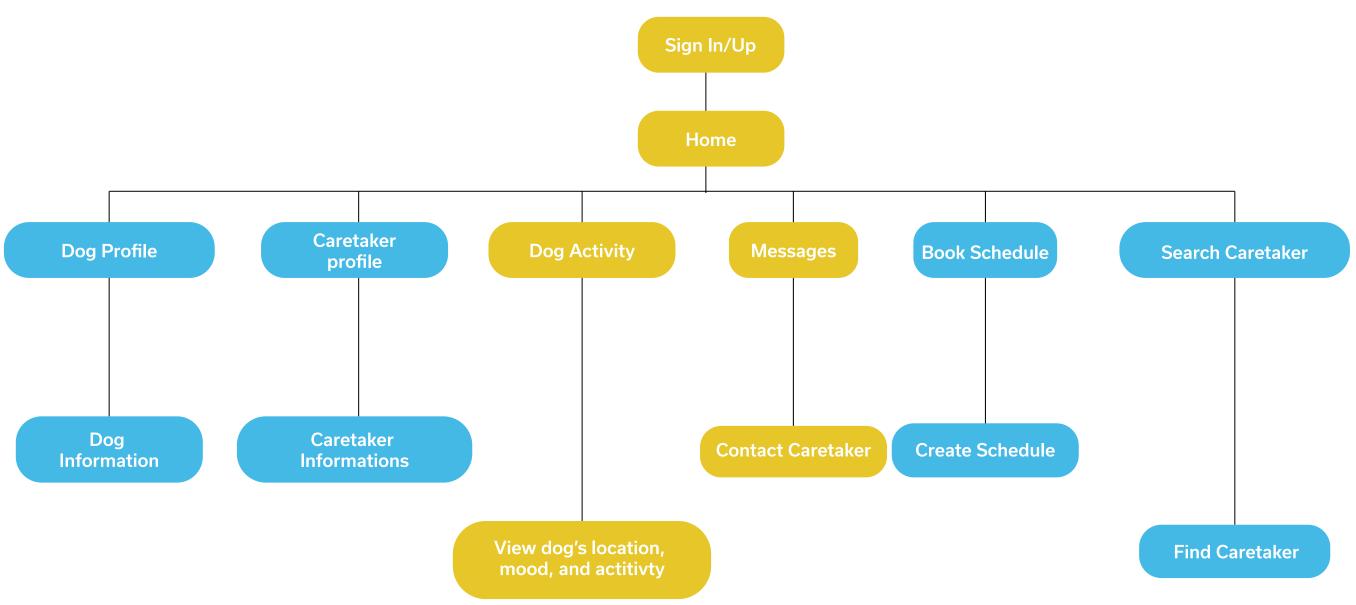
Need to check activites of the dog and location





Chris

Need to contact caretaker about overnight stay for his dog and list the dog activities





PERSONAS - CARETAKER



Dianna 23 Occupation Student

Berkeley, CA

Dianna is a college student and needs extra funds. She loves dogs, however, dogs are not allowed in her dorm rooms. Dianna signed up with Hound to get extra money for school and fill that void of lack of dogs in the dorm. Dianna says this is a bonus since dogs are known to reduce stress, especially during midterms and finals.



Jessica 25 Occupation Barista

San Jose, CA

Jessica is a barista but it is not enough to help support her family. Hound helps her gain extra cash and create her own schedule. Jessica believes Hound will help her gain experience in pet care as well since she is training to become a certified trainer.

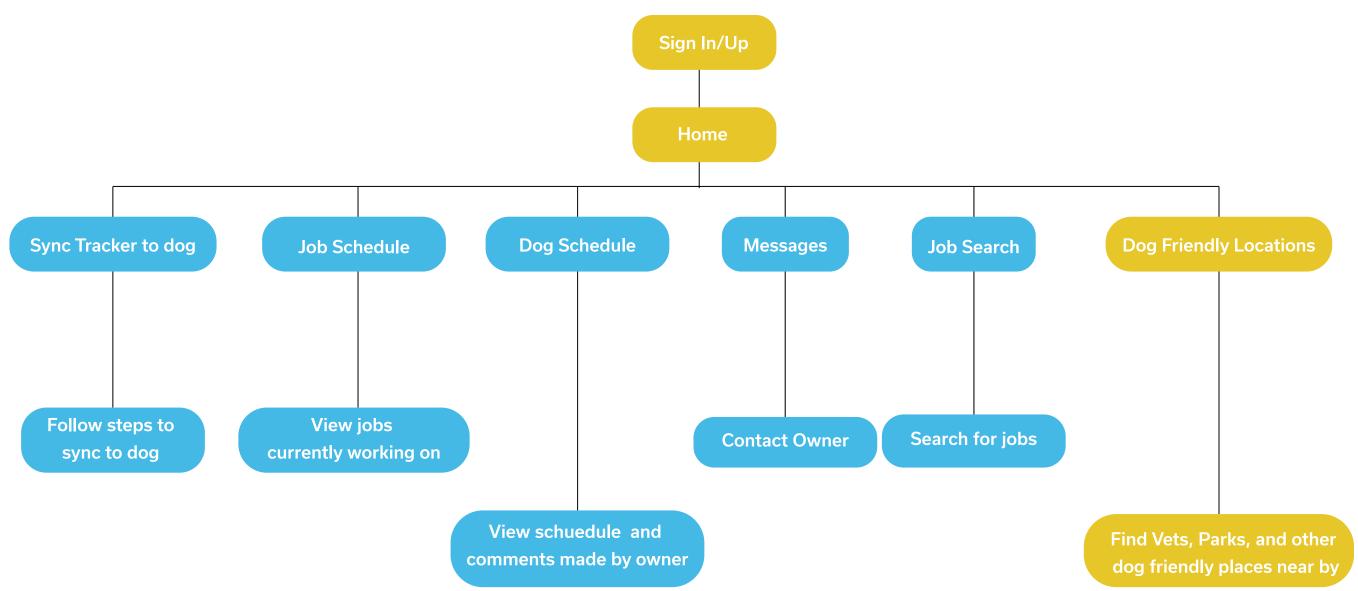


USER FLOWS - CARETAKER



Dianna

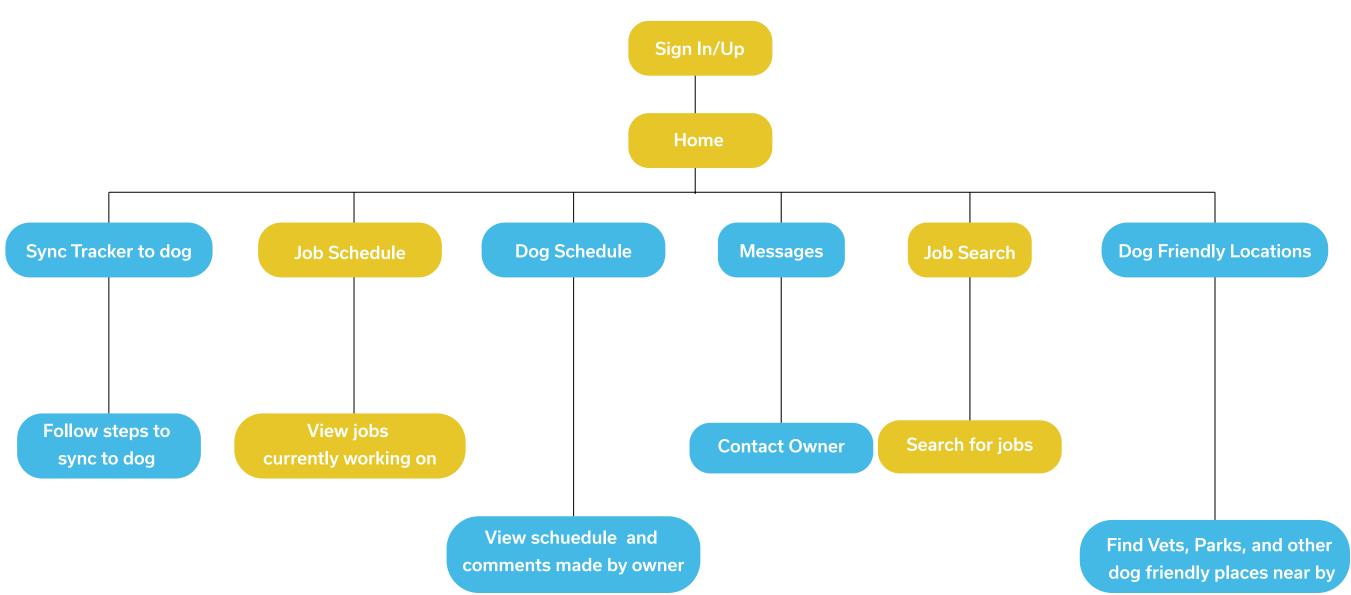
Wants to find dog friendly resturants and a park

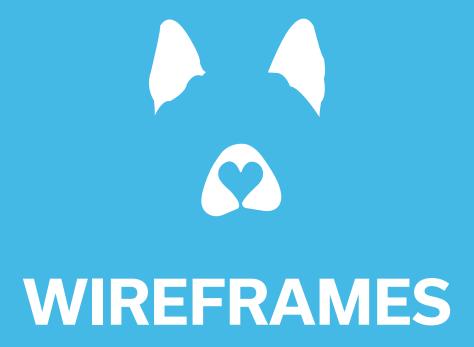




Jessica

Wants to find quick jobs in her area and view current jobs

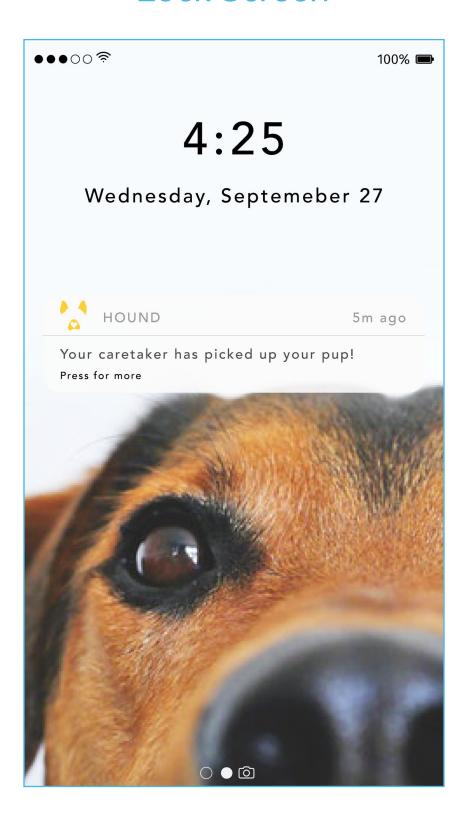




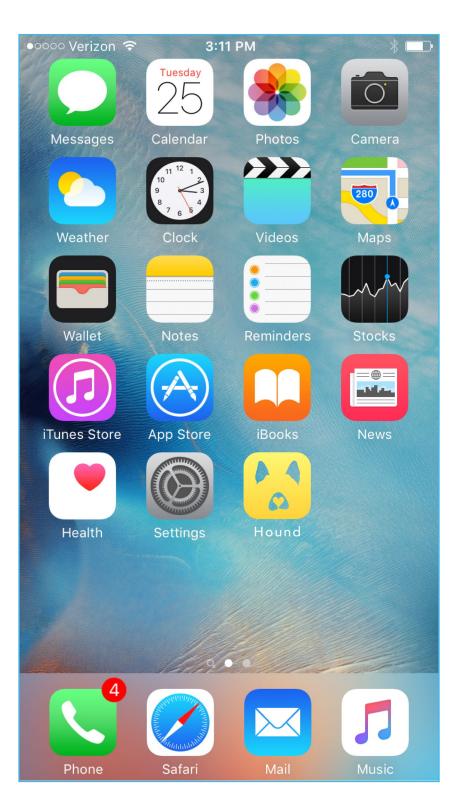




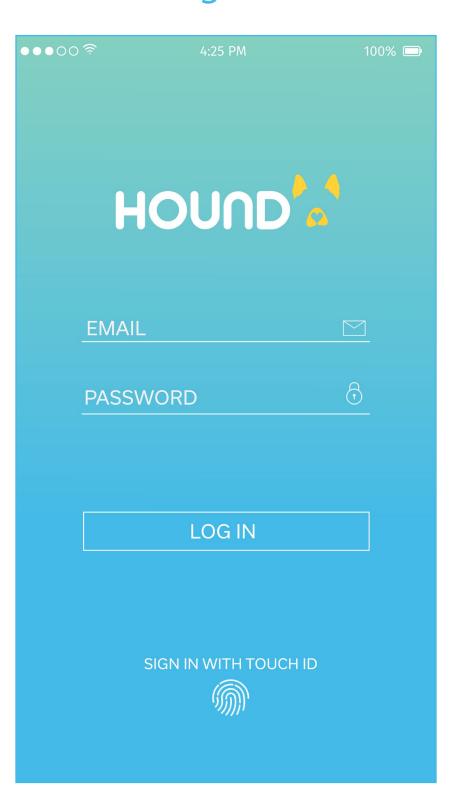
Lock Screen



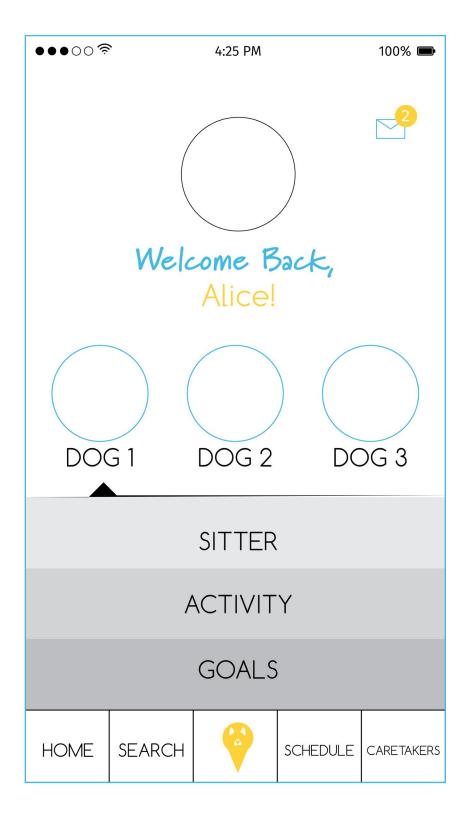
iPhone Home



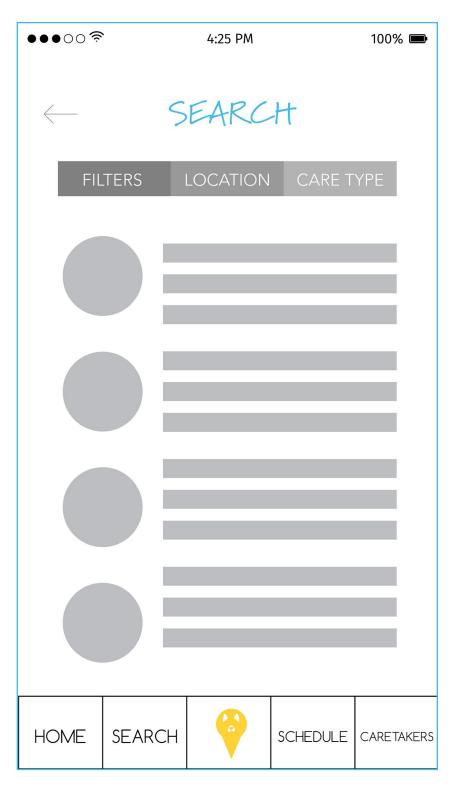
Sign In



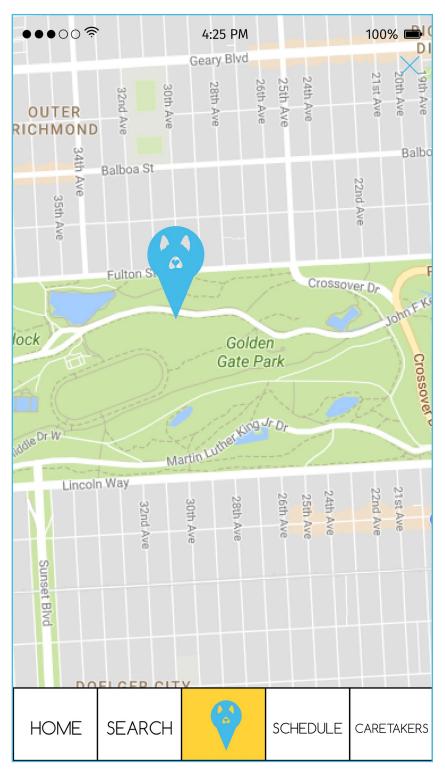
Home



Search



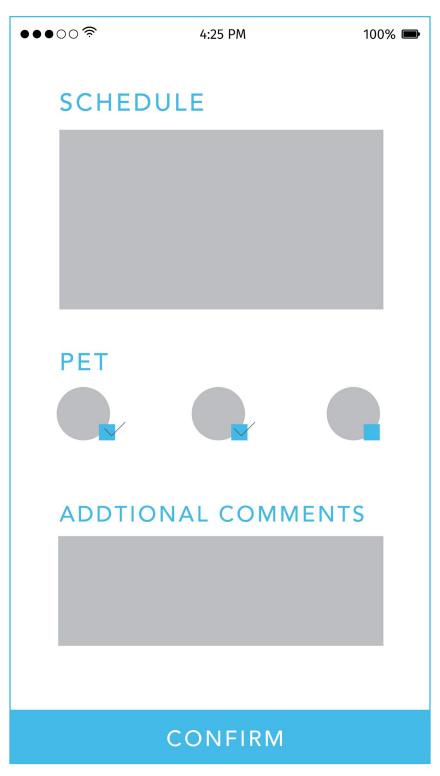
Dog Location



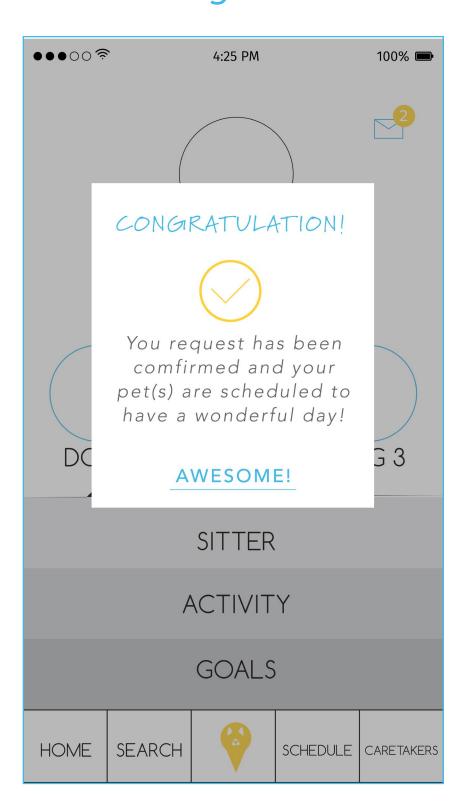
Booking Pt.1



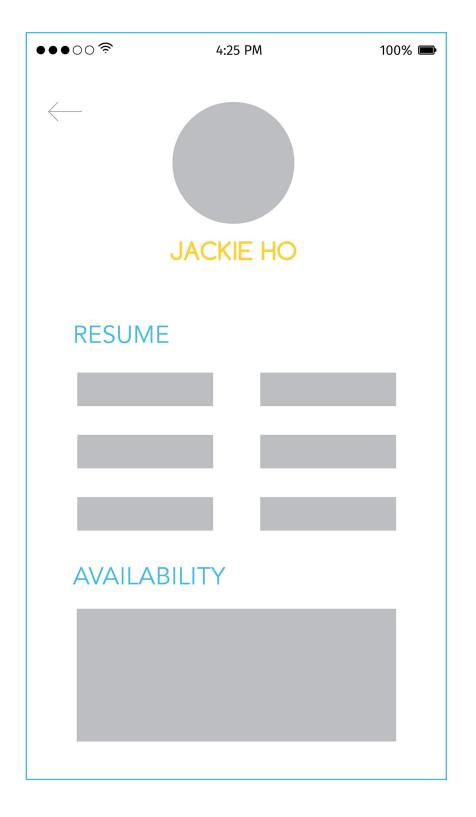
Booking Pt.2



Booking Confirm



Caretaker Profile Pt.1



Caretaker Profile Pt.2

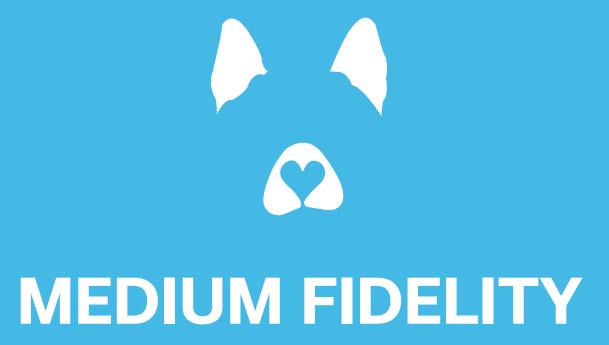


Dog Profile

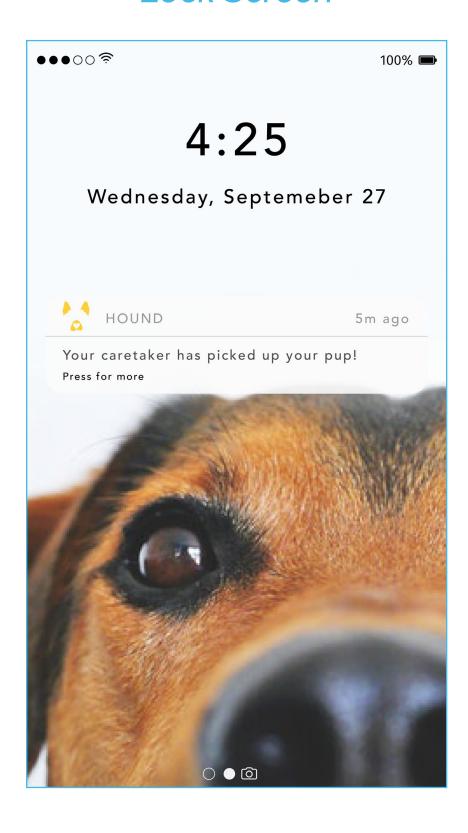


MISSION

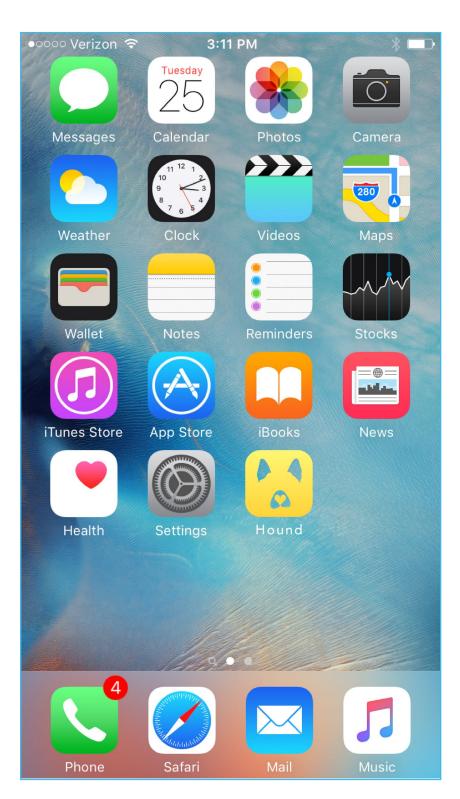
The main focus on the owner interface is to get to the dog's information as quickly as possible. The idea was to be able to jump to dog's activity or look for a sitter without going through multiple screens. The dog's care is the top priority. Based on these low fidelity wireframes, getting feedback on the overall look and function was tested by potential users.



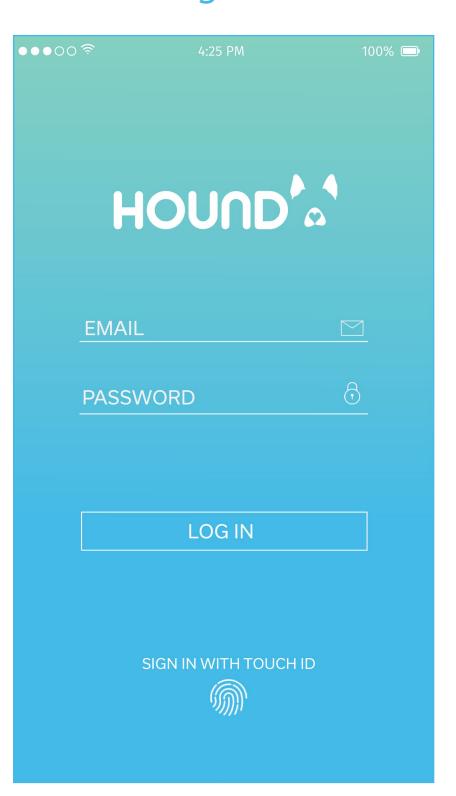
Lock Screen



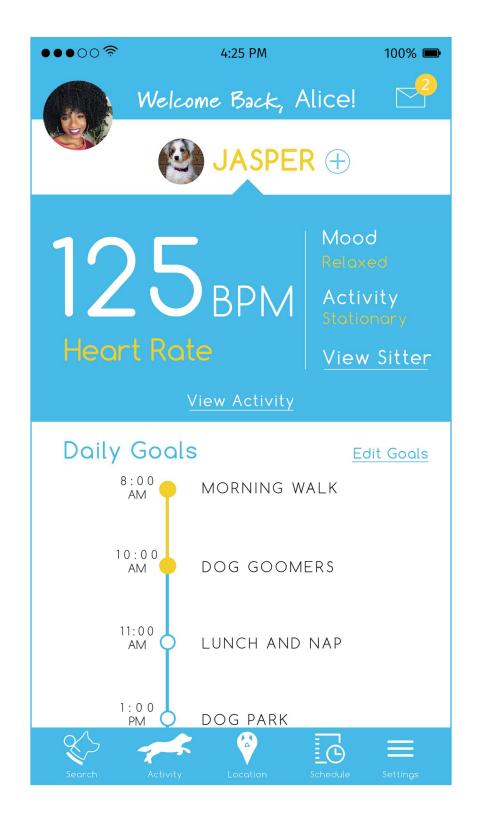
iPhone Home



Sign In



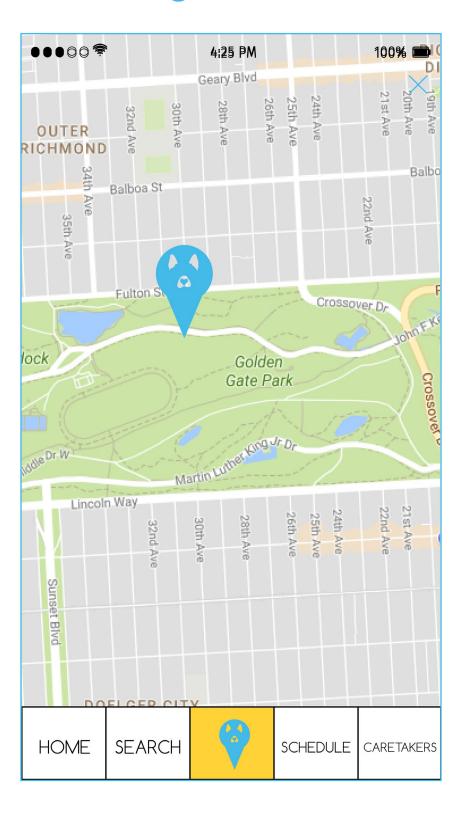
Home



Search



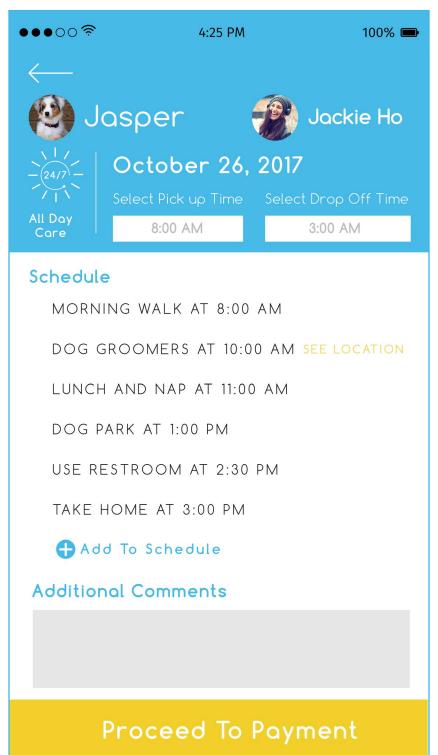
Dog Location



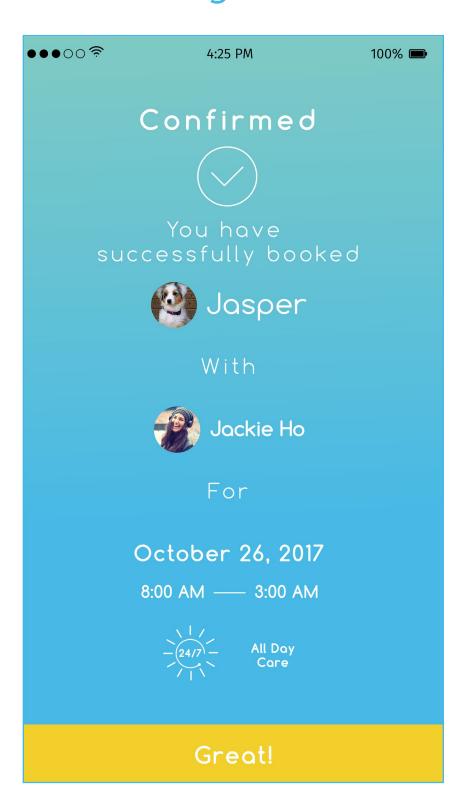
Booking Pt.1



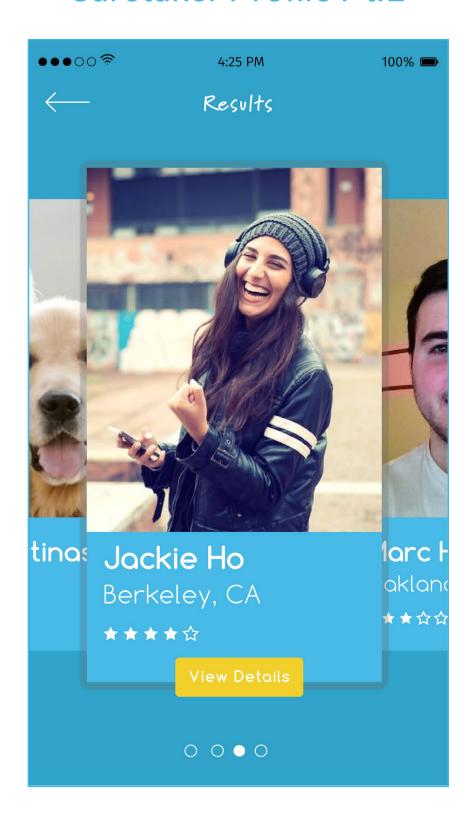
Booking Pt.2



Booking Confirm



Caretaker Profile Pt.1



Caretaker Profile Pt.2



Dog Profile



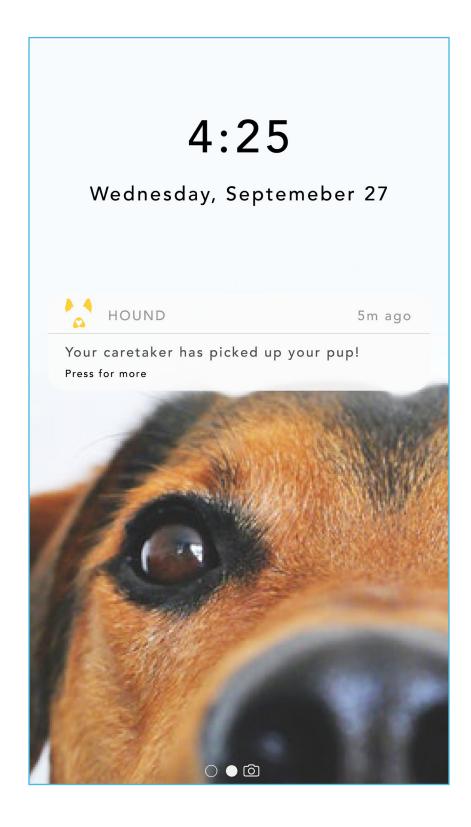
FEEDBACK

After much deliberation and testing, the feedback was as follow:

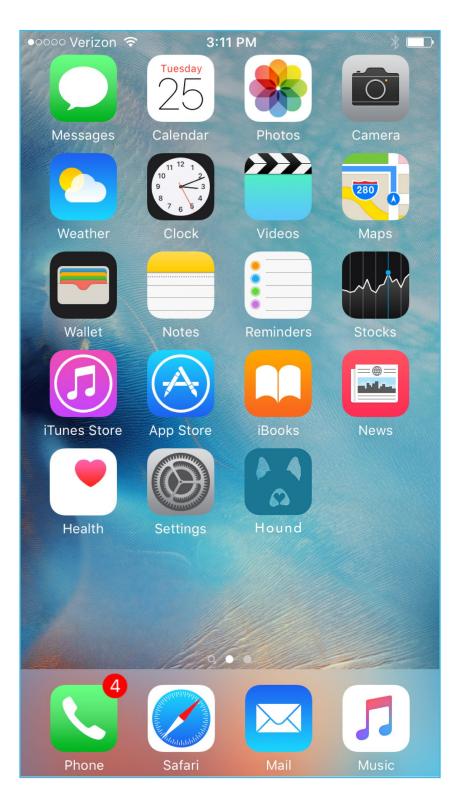
- -Since the dog's activity and care is the top priority, it was suggested to move the dog's activity to the home page so that is the first thing the owner will see. Heart rate, pet mood, and active status will be seen.
- -Another suggestion is to have an overview of the dog's schedule and see what part of the schedule the sitter is on next.
- -Searching for sitter should be set up by calendar and type of sitter care since sitter may not be available at the times you want. This can help filter out sitter and find one that is available.



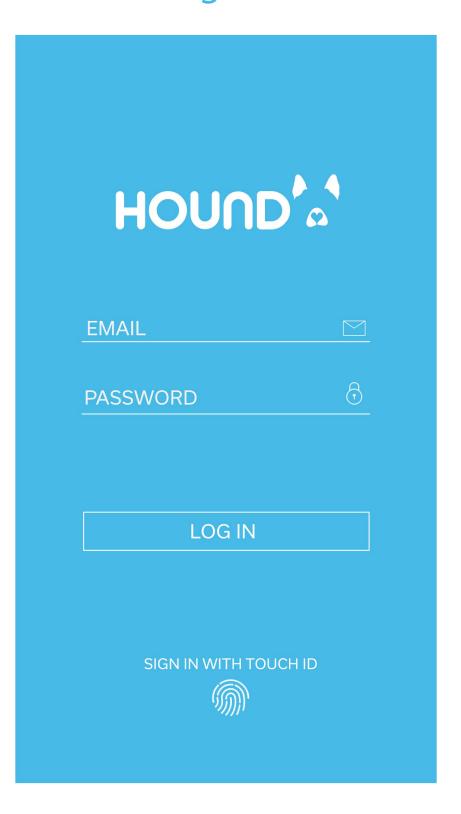
Lock Screen



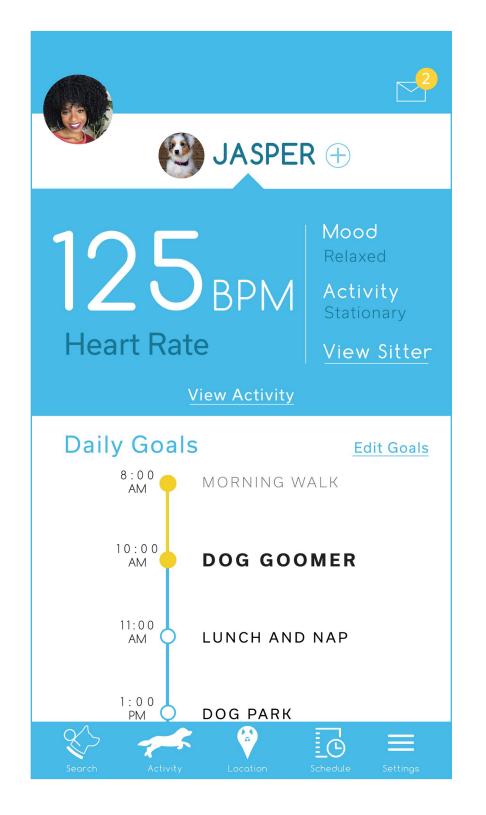
iPhone Home



Sign In



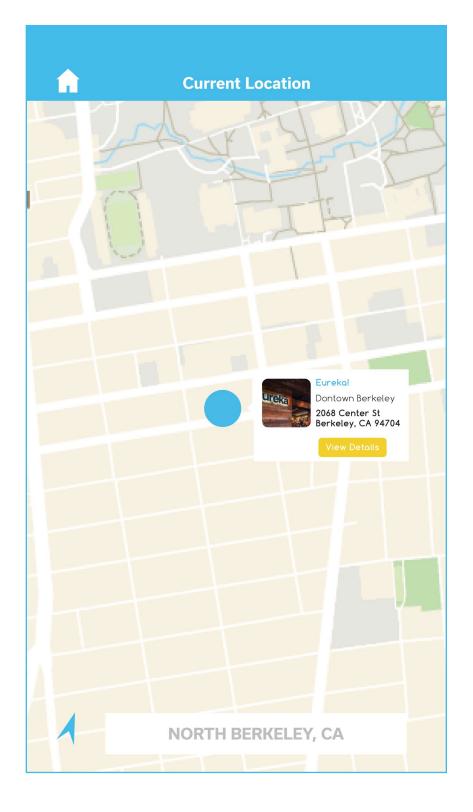
Home



Search



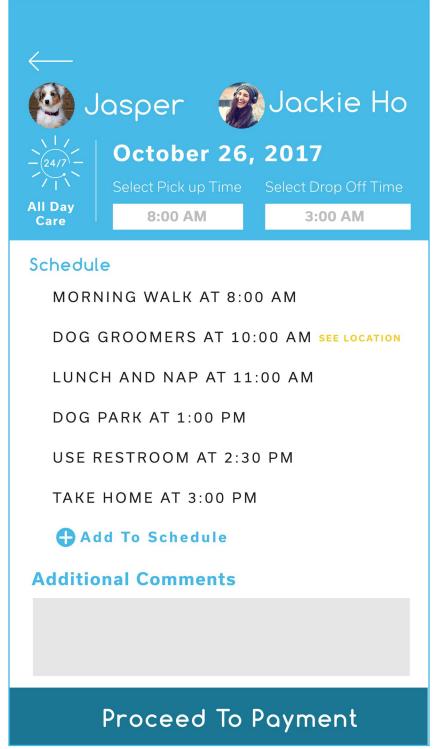
Dog Location



Booking Pt.1



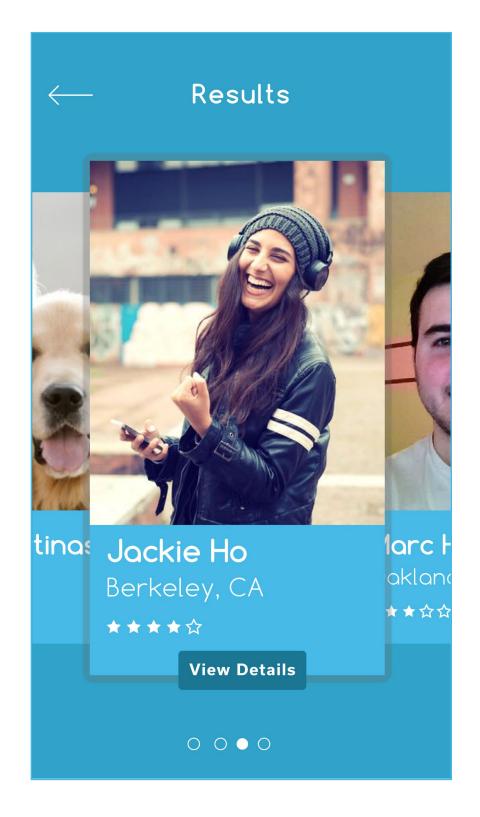
Booking Pt.2



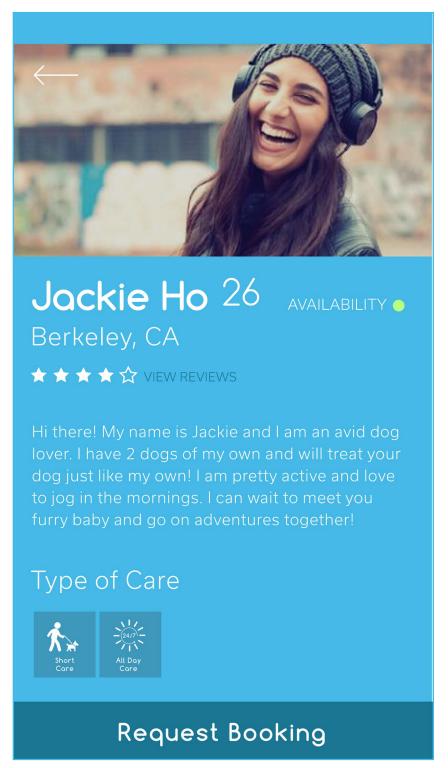
Booking Confirm



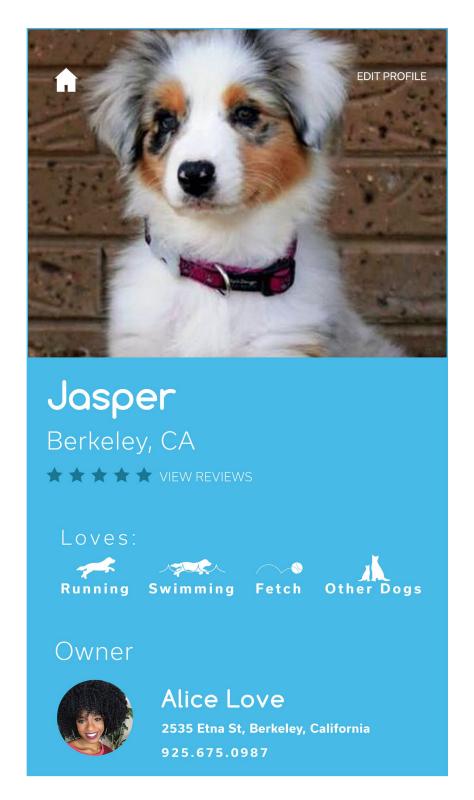
Caretaker Profile Pt.1



Caretaker Profile Pt.2



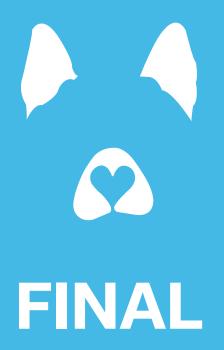
Dog Profile



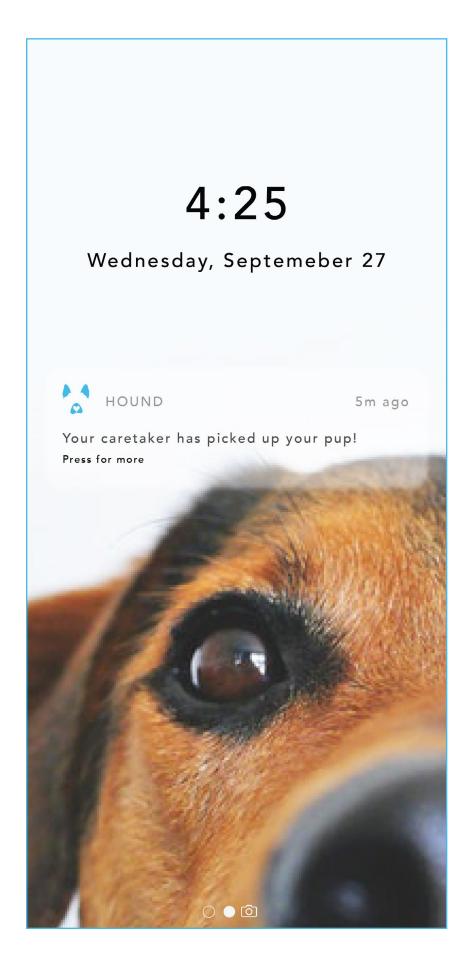
FEEDBACK

After the second round of testing was more focus on visuals and visibility for those who have a difficult time viewing certain screens. The following feedback goes as follow:

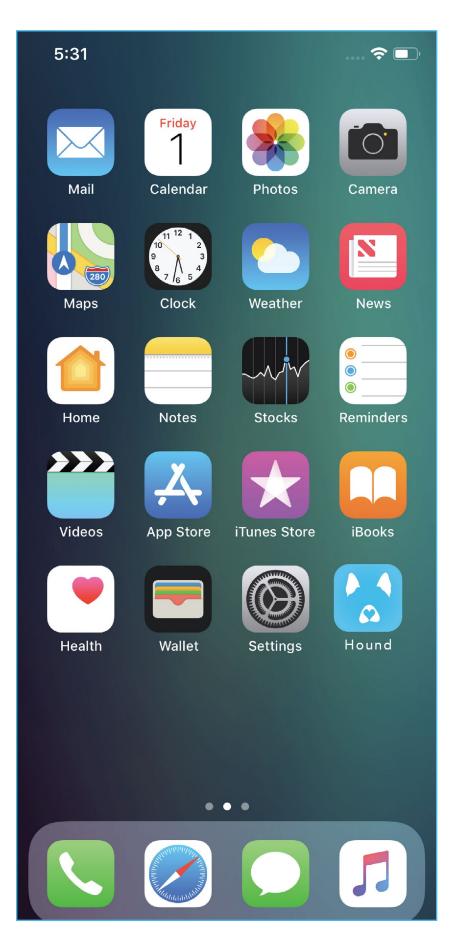
- -It was suggested to tone down the yellow due to its strong appearance. It became distracting.
- -For the schedule overview on the home page, questions were raised if the yellow dots mean the task was complete or if the is the current task the sitter was on. To fix the issue, it was changed to gray out the tasks that were done and bolden the current task.
- -It was suggested to tone down the gradient since the white was starting the blend into the light yellow/green color.



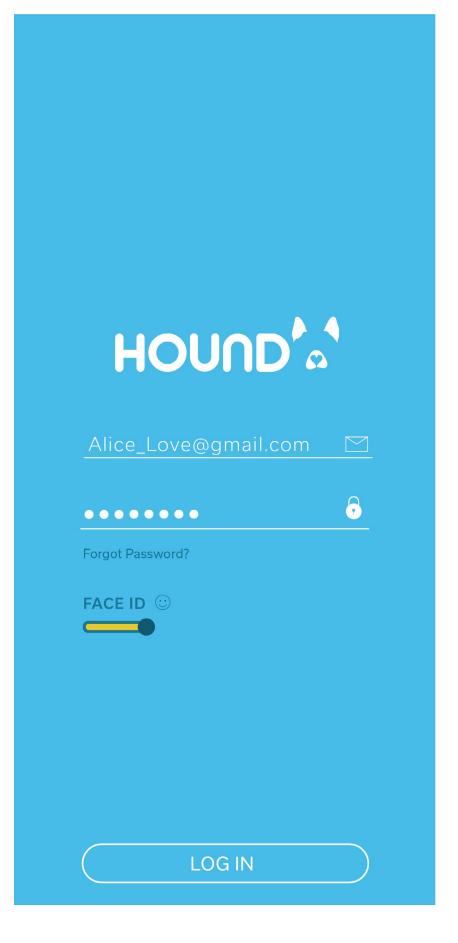
Lock Screen



iPhone Home



Sign In



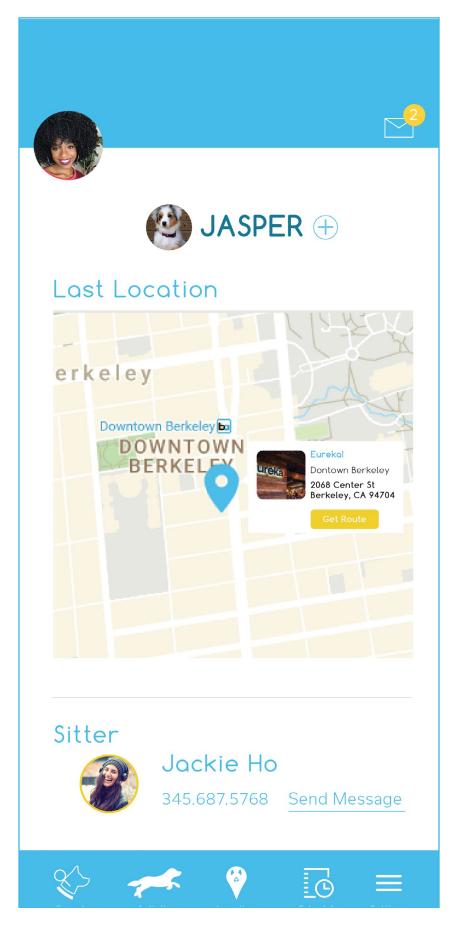
Home

JASPER + Mood 125_{BPM} Relaxed Activity Stationary **Heart Rate** View Sitter **View Activity** Daily Goals **Edit Goals** MORNING WALK 10:00 **DOG GOOMERS** 11:00 LUNCH AND NAP 1:00 DOG PARK (b)

Search



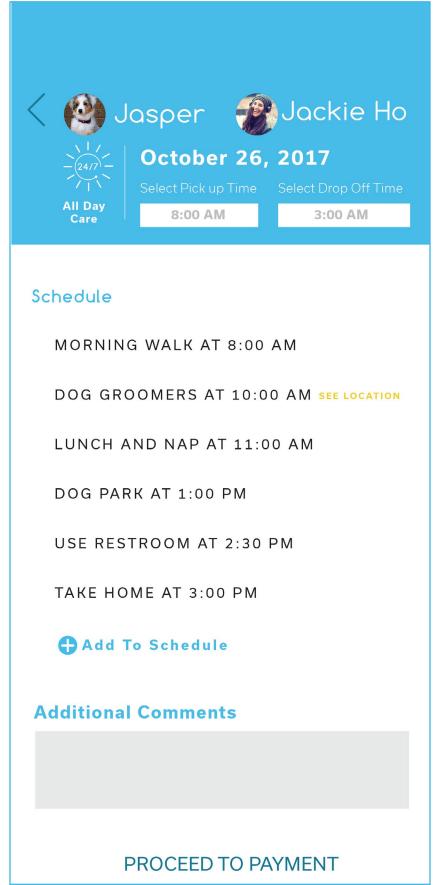
Dog Location



Booking Pt.1



Booking Pt.2



Booking Confirm



Caretaker Profile Pt.1

Results tina: Jackie Ho larc t akland Berkeley, CA ★★☆☆ *** View Details 0 0 0 0

Caretaker Profile Pt.2



Jackie Ho 26 availability

Berkeley, CA

★ ★ ★ ★ VIEW REVIEWS

Type of Care





REQUEST BOOKING

Dog Profile



Jasper

Berkeley, CA

* * * * VIEW REVIEWS

Loves









Owner



Alice Love 2535 Etna St, Berkeley, California 925.675.0987

Emergency Contacts

925.543.1275



Diana Sherry 2519 Etna St, Berkeley, California

FEEDBACK

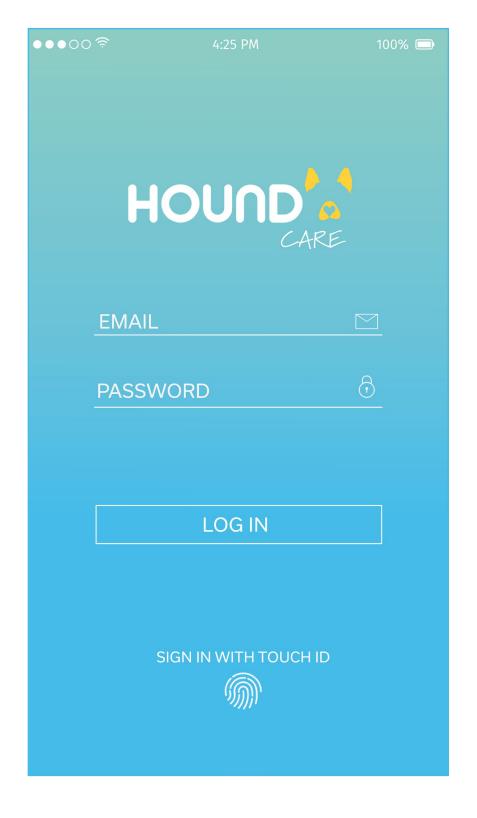
After the third round of testing, the following changes were made:

-Users asked why was there a need for a tab for current location if the owner is trying to get the information as soon as possible. They prefer if the current location was on the home page instead of on it own page. The location was moved to the home page as a scroll or the user and tap the location icon on the home page and it will scroll them to the part of the home page with the location.

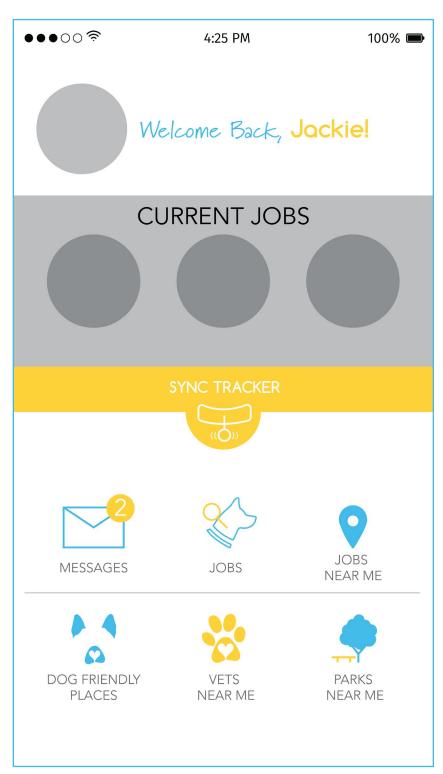




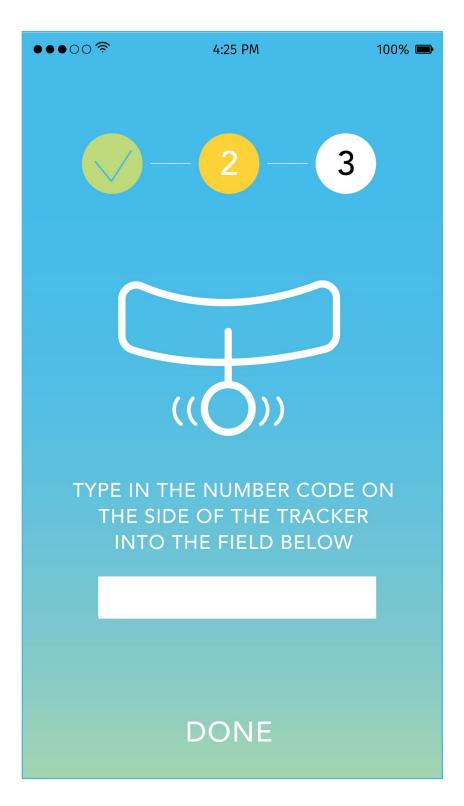
Sign In



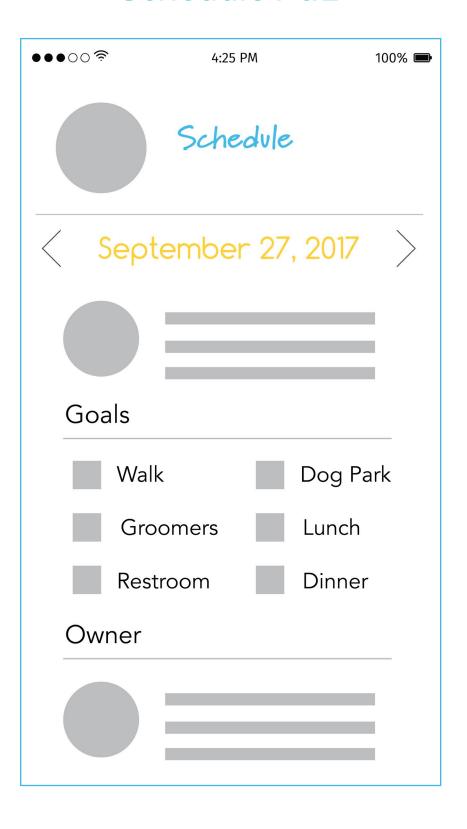
Home



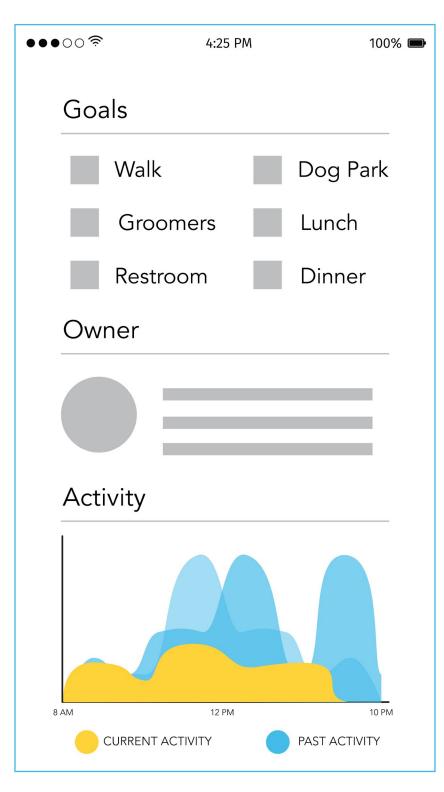
Collar Sync

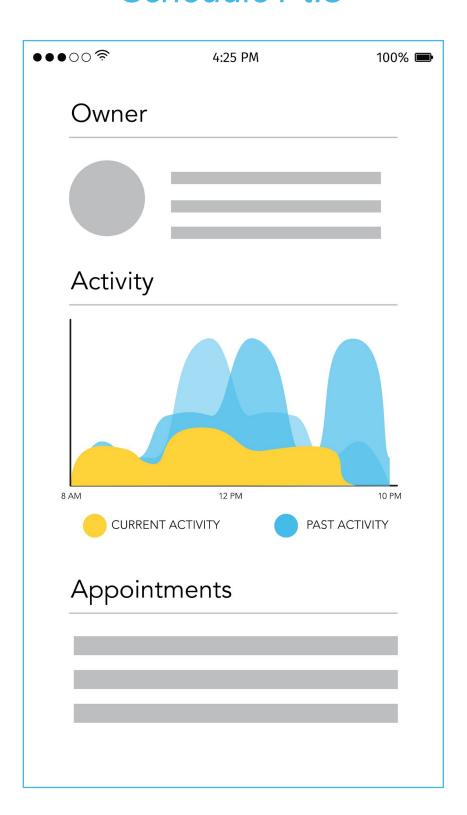


Schedule Pt.1



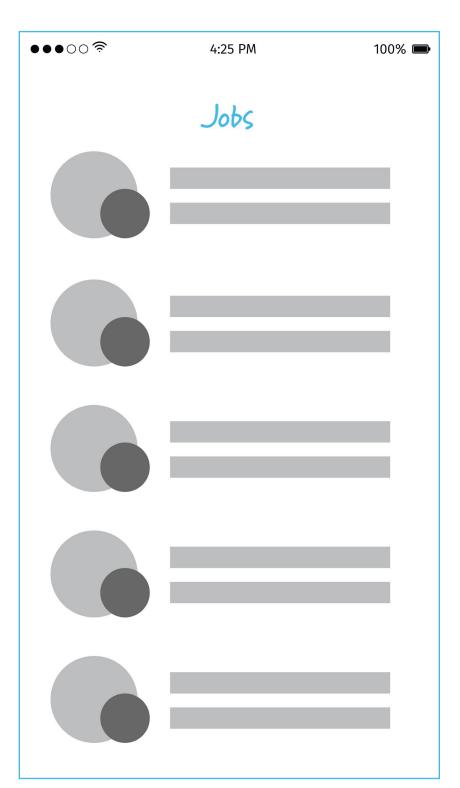
Schedule Pt.2



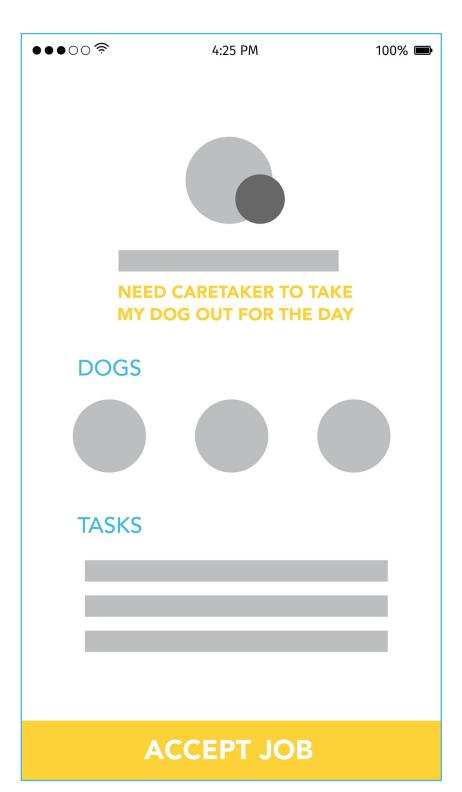




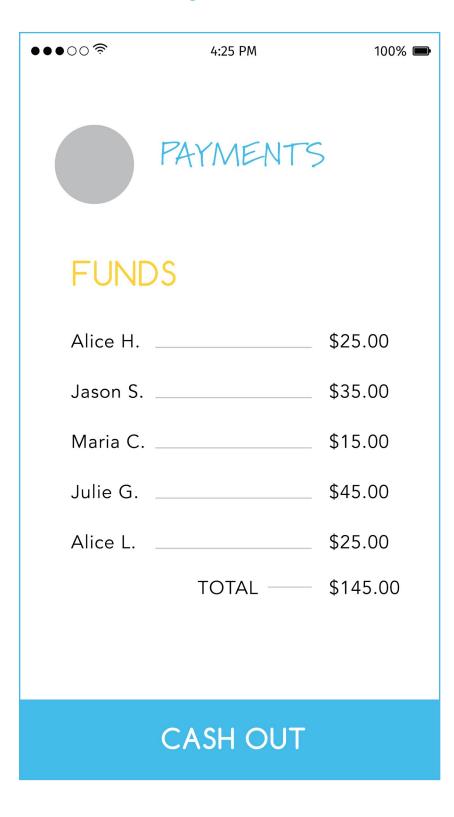
Job Search Pt.1



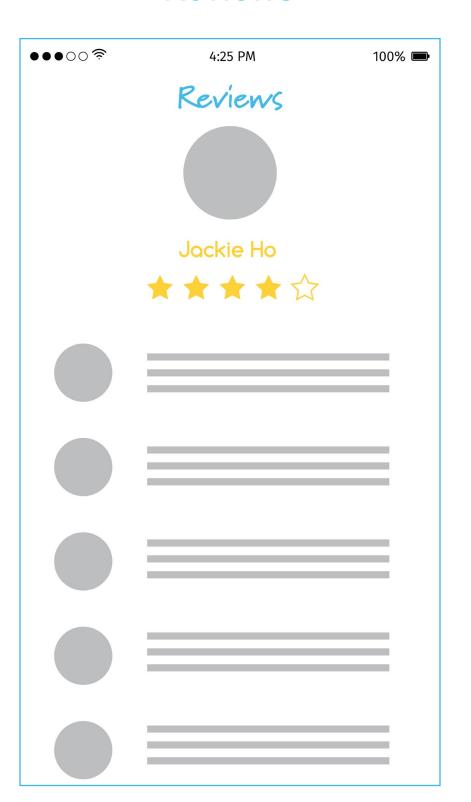
Job Search Pt.2



Payments

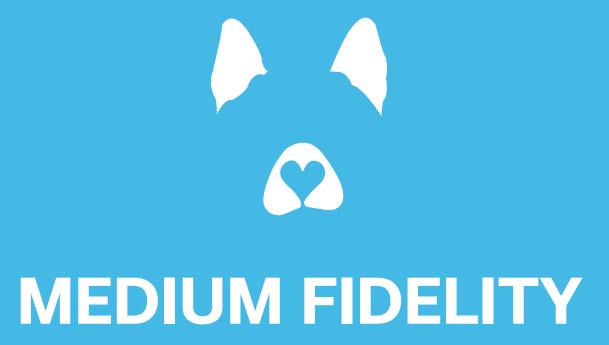


Reviews

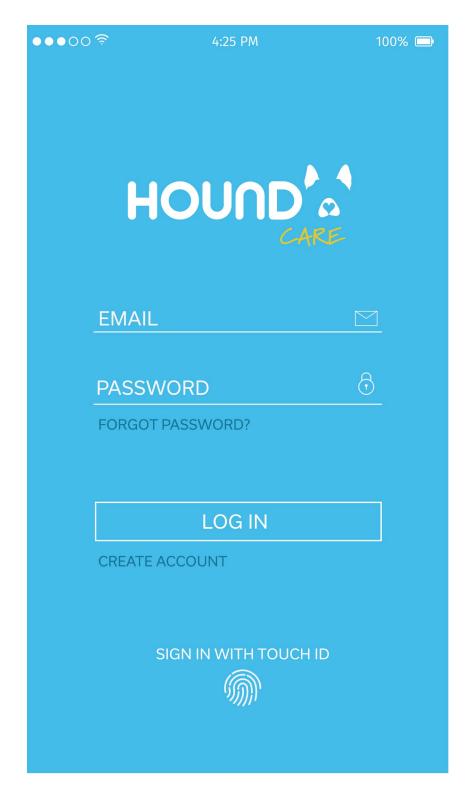


MISSION

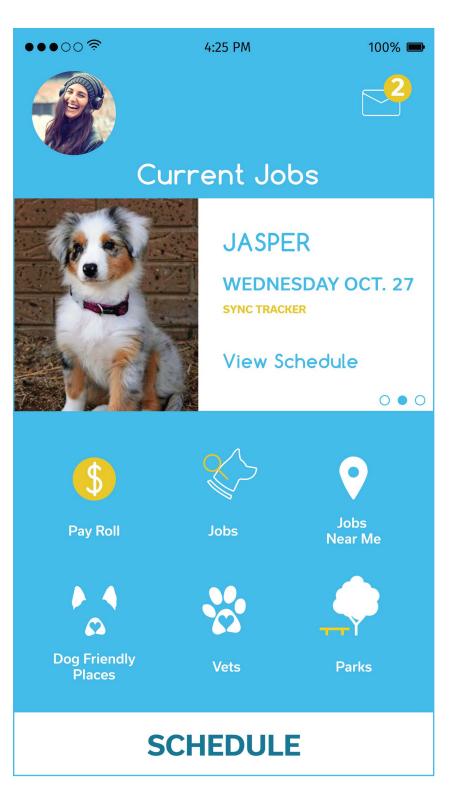
The focus of the caretaker interface is to get to the jobs and dog profiles as fast as possible. The purpose is to be efficient and quick to the information. There is a overview of the dogs and to sync the collar. Also the caretaker will have a detail overview of the schedule, owner's address and an emergency contact just incase the owner is unable to be contacted.



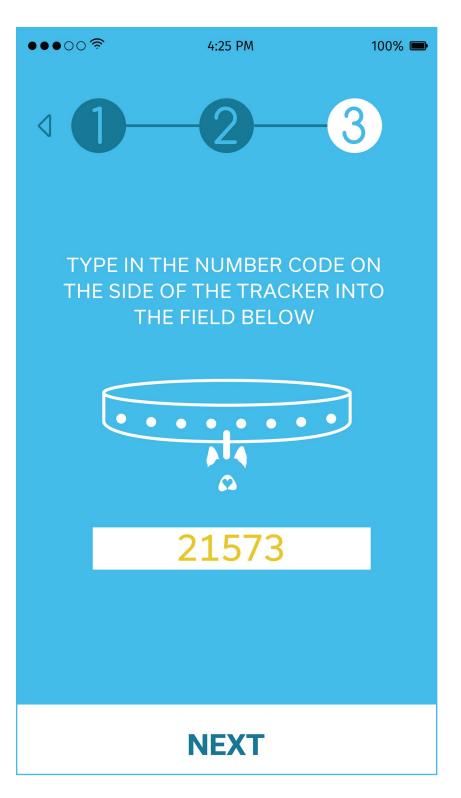
Sign In



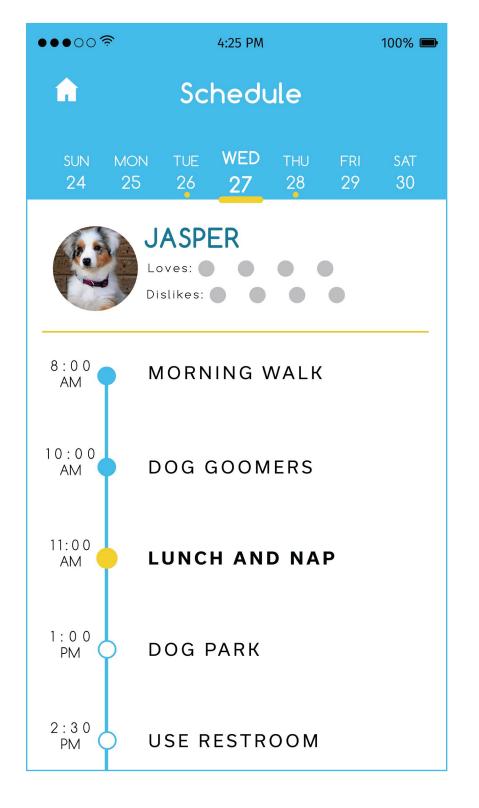
Home



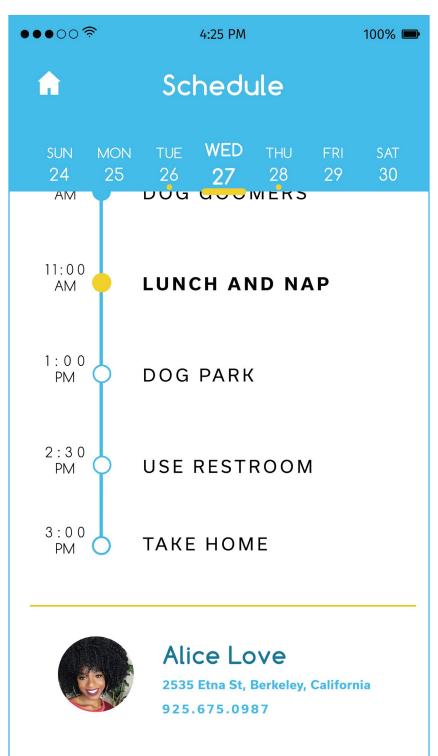
Collar Sync

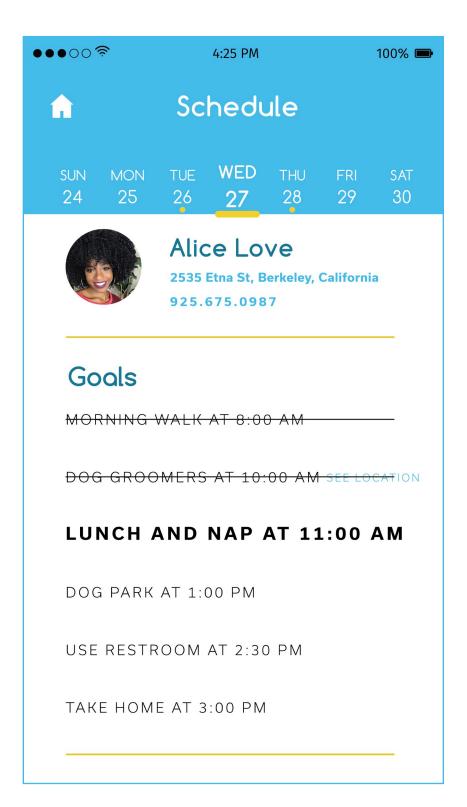


Schedule Pt.1

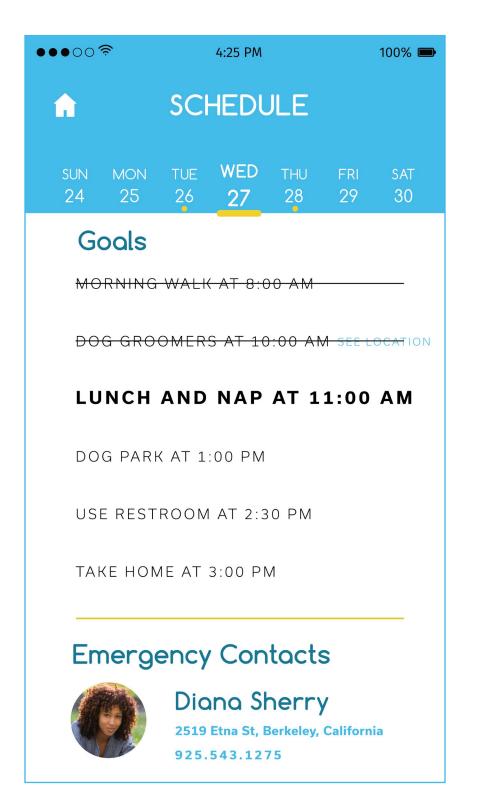


Schedule Pt.2

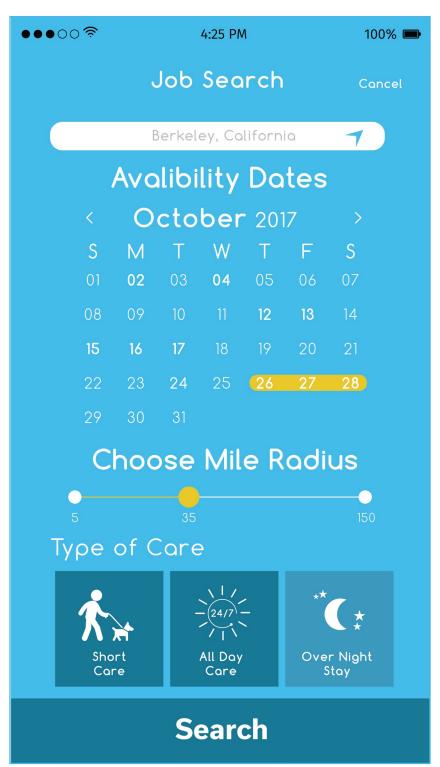




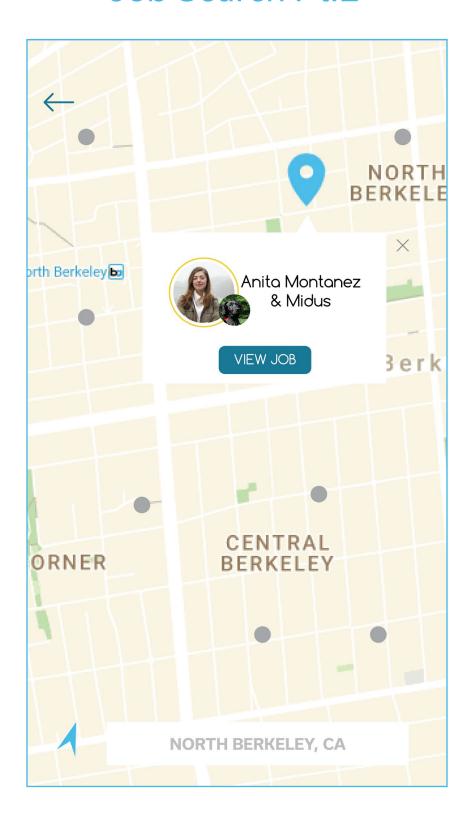
Schedule Pt.4



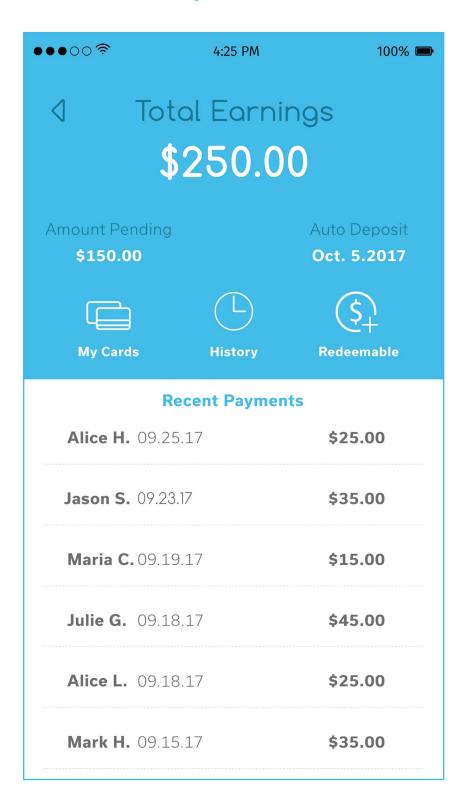
Job Search Pt.1



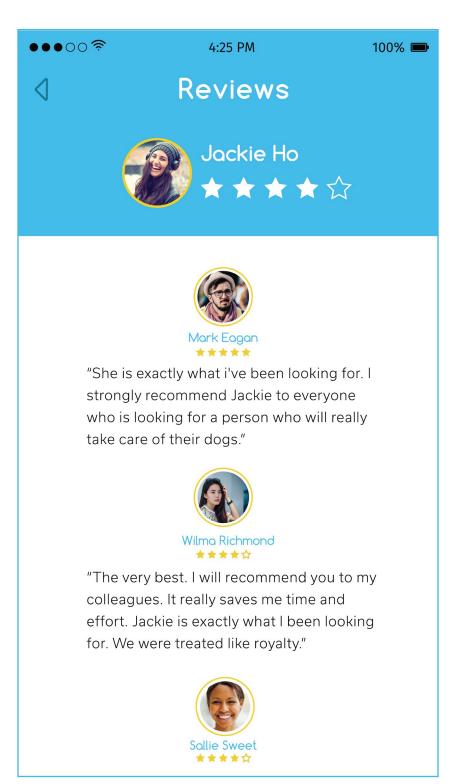
Job Search Pt.2



Payments



Reviews



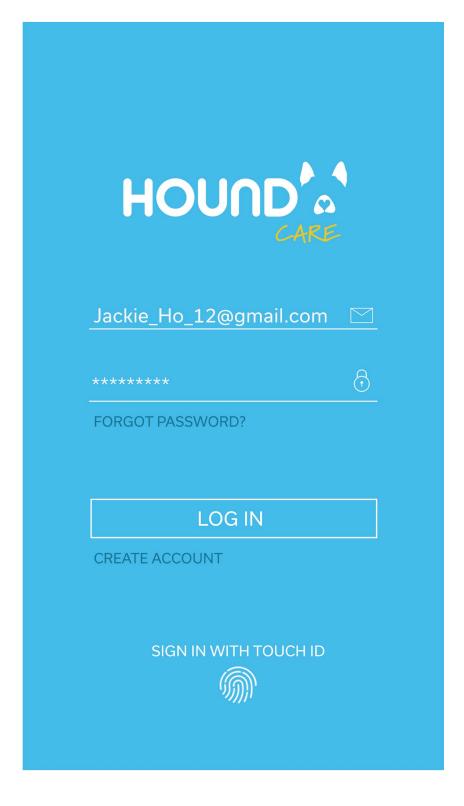
FEEDBACK

After first round of testing, the feedback goes as follow:

- -Questions were asked about the circle on the current jobs section on the homepage. There was confusion on if they were placeholders for the owners, dogs, or amount of jobs. After explaining the purpose of the placeholder was for the dogs, it was suggested to put names of the dogs, date, and dog's picture to be clearer.
- -Another question asked was why was there a place for the dog's activity if you are the one participating in the activities. The testers believe it was unnecessary to have it there for the caretaker.
- -The testers like the idea of the search for jobs based on the owners that request the sitter's services. However, they wanted a calendar option like the owner app to look for future jobs to place in their schedule.
- -For the payment section, testers asked if there will be a place to look up payment history, release funds, and a place to add cards or bank account information. To answer this question, three tabs were added.



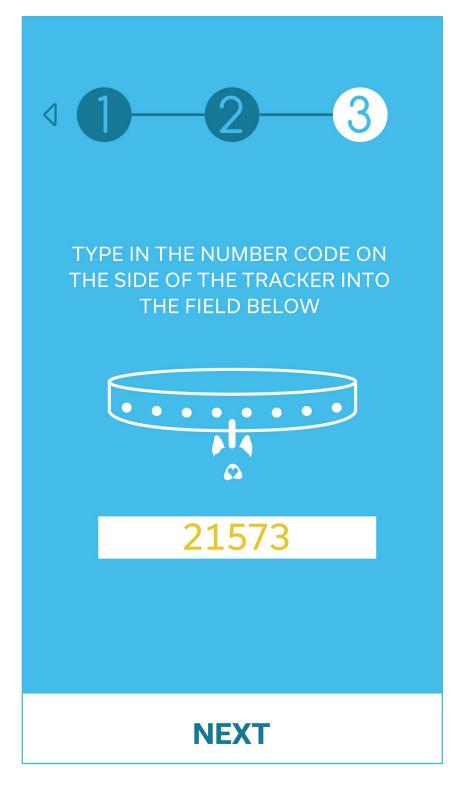
Sign In



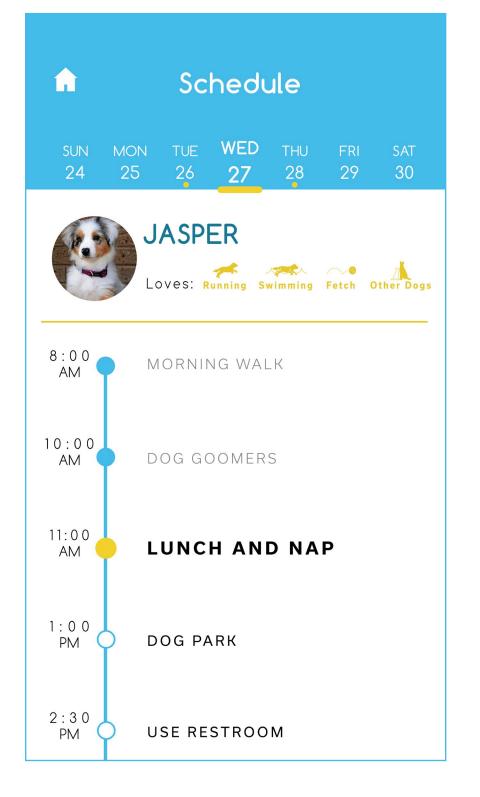
Home



Collar Sync

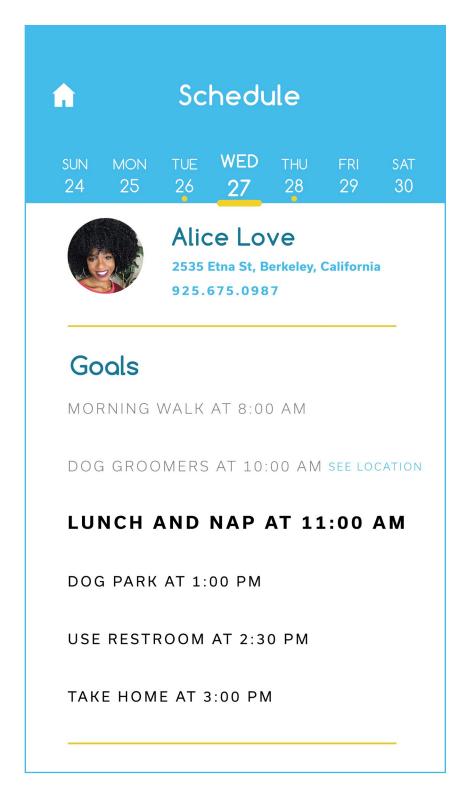


Schedule Pt.1

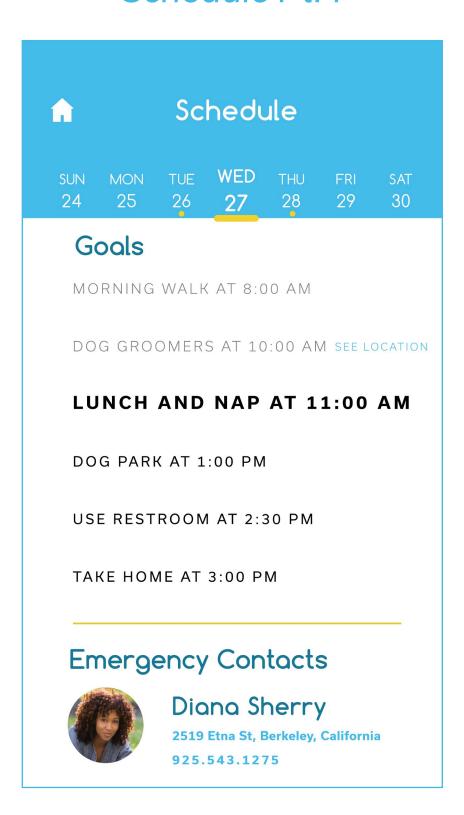


Schedule Pt.2

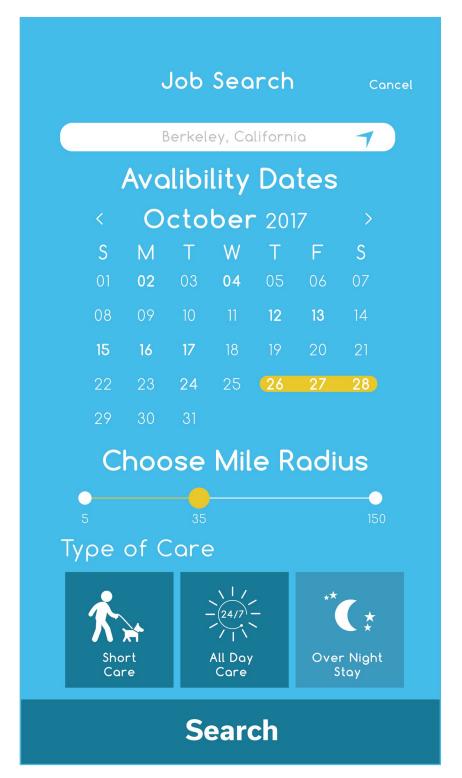




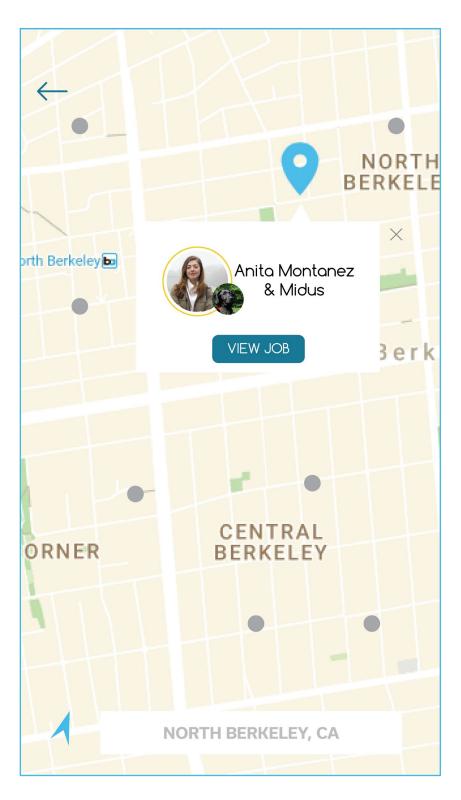
Schedule Pt.4



Job Search Pt.1



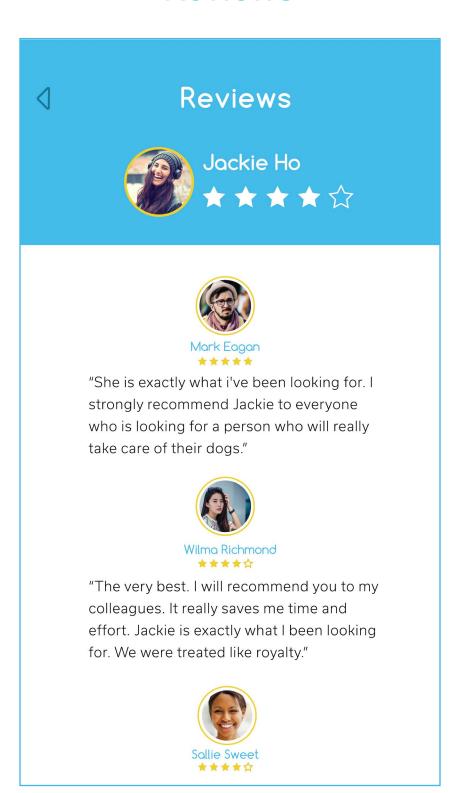
Job Search Pt.2



Payments

1 Total Earnings \$250.00 Amount Pending Auto Deposit \$150.00 Oct. 5.2017 My Cards **History** Redeemable **Recent Payments Alice H.** 09.25.17 \$25.00 **Jason S.** 09.23.17 \$35.00 **Maria C.** 09.19.17 \$15.00 **Julie G.** 09.18.17 \$45.00 **Alice L.** 09.18.17 \$25.00 Mark H. 09.15.17 \$35.00

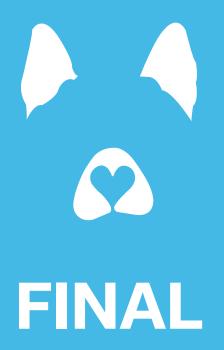
Reviews



FEEDBACK

After second round of testing, the feedback goes as followed:

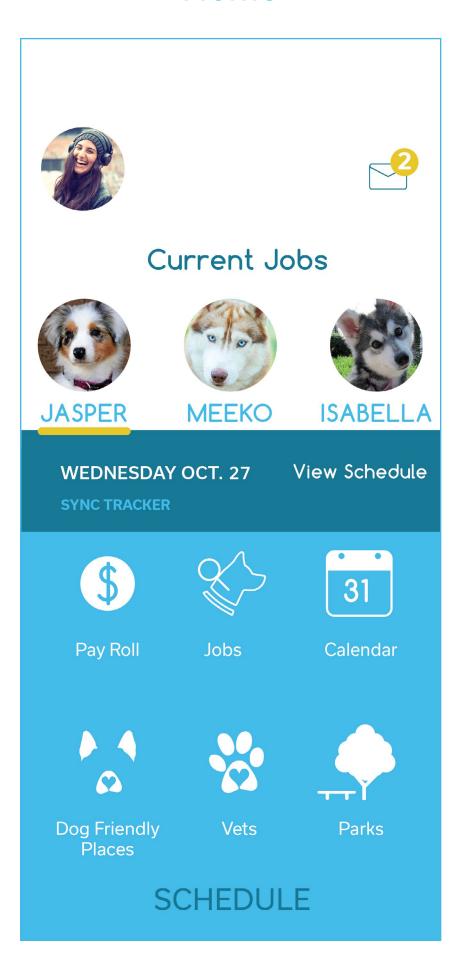
-User testers did not like the thin lines going across the goals/tasks of the dog. The was commented that the lines made it difficult to read and a little distracting. Making the text a thinner weight and lighter gray made it a lot more easier to read.



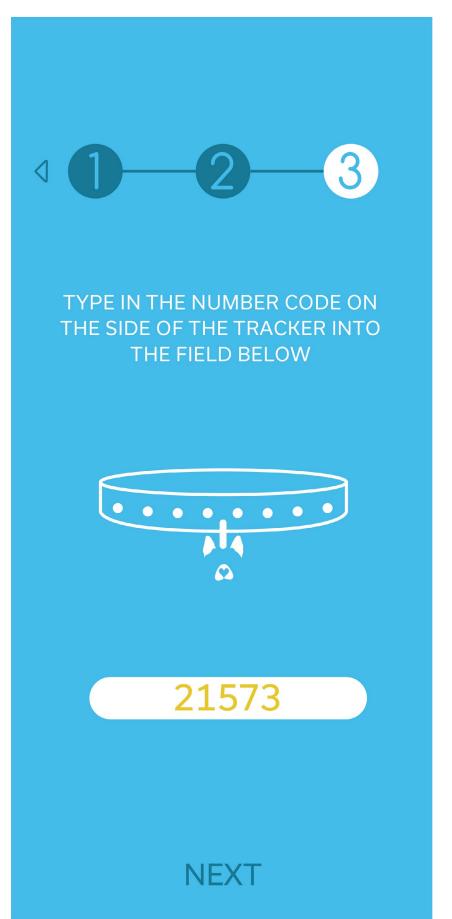
Sign In

HOUND' Jackie_Ho_12@gmail.com ☐ 6 FORGOT PASSWORD? **LOG IN** FACE ID 🙂 🛑

Home



Collar Sync

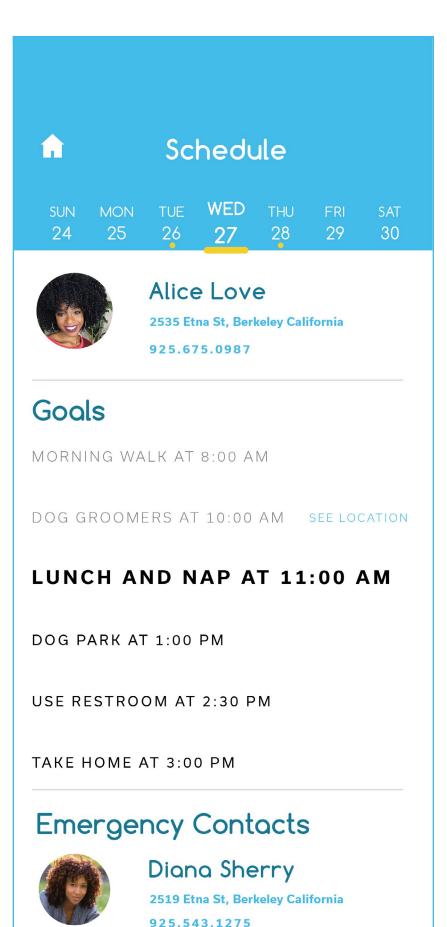


Schedule Pt.1

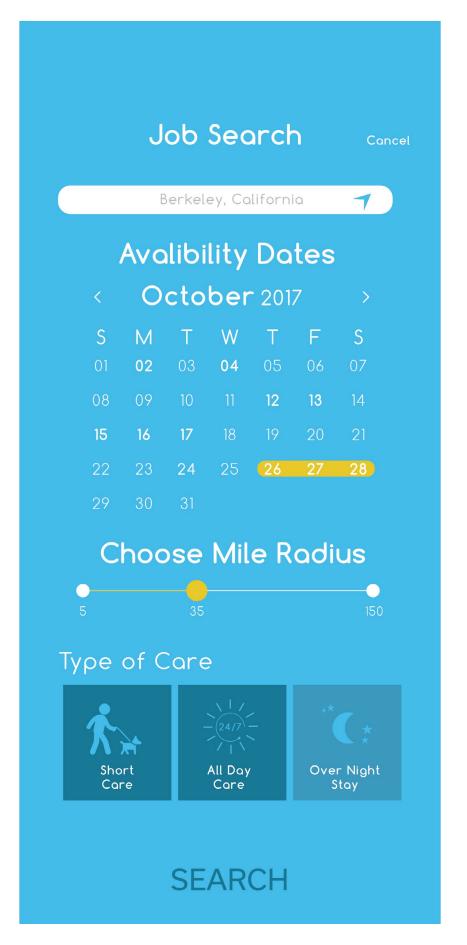
Schedule WED MON FRI SAT 29 30 24 25 **JASPER** THE CO Loves: Running Swimming Fetch Other Dogs 8:00 MORNING WALK AM 10:00 DOG GOOMERS AM 11:00 **LUNCH AND NAP** AM 1:00 DOG PARK PM 2:30 **USE RESTROOM** 3:00 TAKE HOME PM

Schedule Pt.2

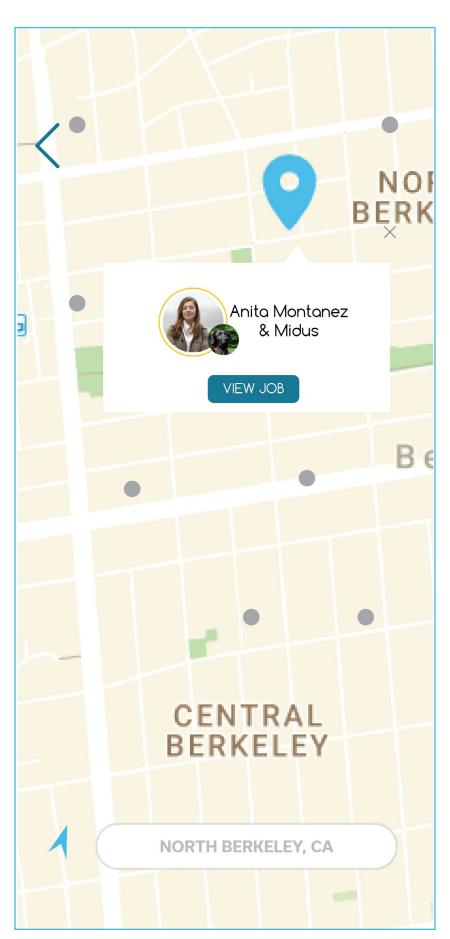




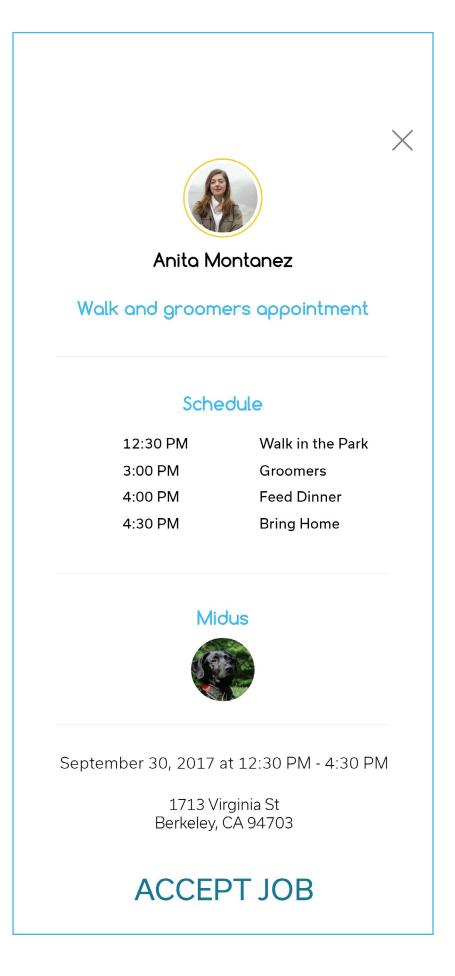
Job Search Pt.1



Job Search Pt.2



Job Search Pt.3



Payments

√ Total Earnings

\$250.00

Amount Pending \$150.00

Auto Deposit
Oct. 5.2017







Recent Payments

Alice H. 09.25.17	\$25.00
Jason S. 09.23.17	\$35.00
Maria C. 09.19.17	\$15.00
Julie G. 09.18.17	\$45.00
Alice L. 09.18.17	\$25.00
Mark H. 09.15.17	\$35.00
Mark H. 09.10.17	\$35.00

Reviews

Reviews



Jackie Ho



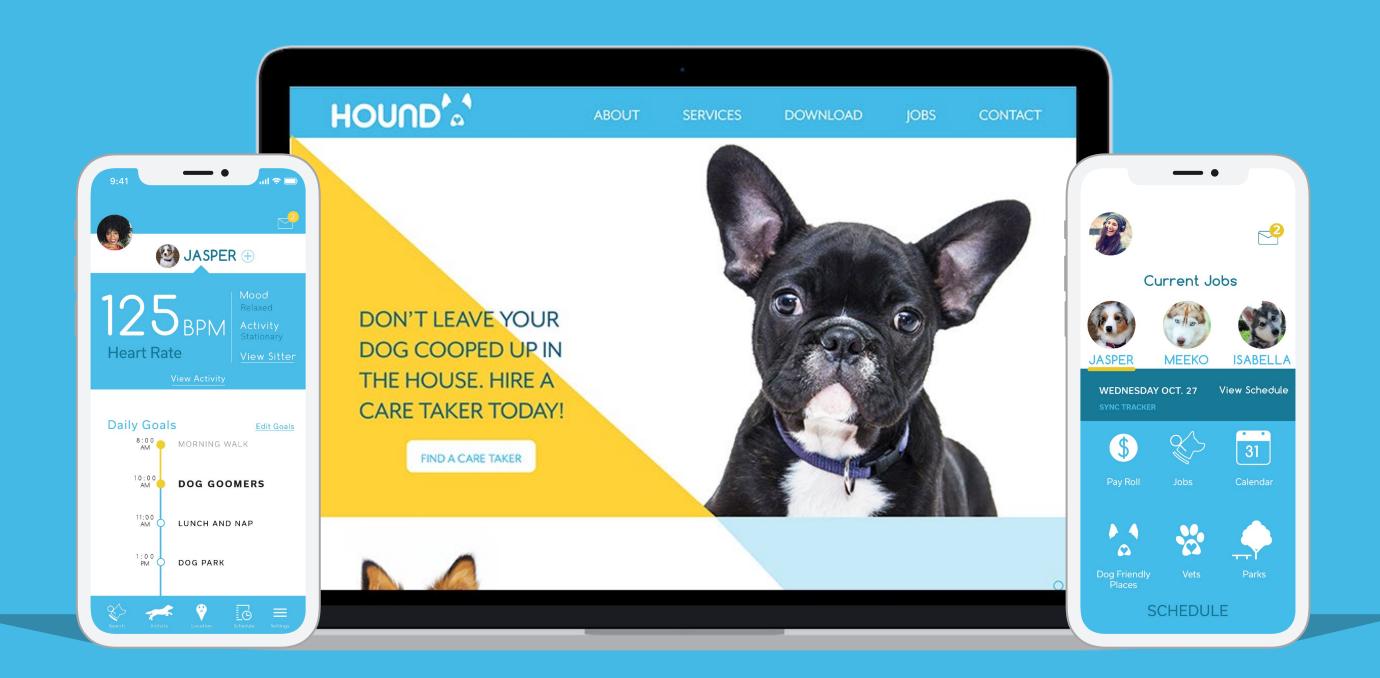
"She is exactly what i've been looking for. I strongly recommend Jackie to everyone who is looking for a person who will really take care of their dogs."



Wilma Richmond

"The very best. I will recommend you to my colleagues. It really saves me time and effort. Jackie is exactly what I been looking for. We were treated like royalty."





REFERENCES

maximintegrated.com

jagger-lewis.com

hillspet.com

technologyreview.com

cesarsway.com

arxiv.com

Detecting Human Emotions Using Smartphone Accelerometer Data By Andreas Faerovig Olsen (PDF)

