H2-Meow: A UX/UI Capstone

Centering the cutest users around

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Introduction

What is H2-Meow?

H2-Meow is a user experience that is meant to center some of the cutest users around, cats! The project contains a research-based background that goes on to inform design concepts for a cat fountain, an accompanying app, and a logo.

Purpose

This project is a senior undergraduate capstone project that is being completed at the end of my college career. It is meant to explore the design process in a unique way, as in most user experience courses, we learn to center the person, but what if someone besides a human was being centered? That is what I aimed to explore, is how to apply design principles to other users and purposes. I do acknowledge that this project is smaller in scale, this was intentional as to balance the rest of my semester. However, that does not mean the core principles of design were compromised.

Research

Academic Articles

Title: *Investigation of the effect of water temperature on water consumption of cats*
Authors: Zeynep Aruç Tatlıağız, İbrahim Akyazı
Institution: Journal of Istanbul Veterınary Scıences

Title: *Feeding and drinking behavior*
Author: Diane Frank
Institution: University of Montreal, Faculty of Veterinary Medicine, Veterinary Teaching Hospital (CHUV), Saint-Hyacinthe, QC, Canada

Title: *Water consumption of cats (Felis catus)*
Author: Faria Alipourmazandarani
Institution: Swedish University of Agricultural Sciences, SLU

Title: *Quantified water intake in laboratory cats from still, free-falling and circulating water bowls, and its effects on selected urinary parameters*

Authors: Michael T. Robbins, Martha G. Clin, Joseph W. Bartges, Erin Felty, Korinn E. Saker, Richard Bastian and Angela L. Witze
Institution: Journal of Feline Medicine and Surgery

Academic Summaries

Article #1

Investigation of the effect of water temperature on water consumption of cats
Hypothesis: "*So we hypothesized that, cooling the drinking water can encourage cats to drink more water and we aimed to investigate the effect of the water temperature on water consumption of cats."*
Conclusion: "*In the 2-weeks study, it was observed that serving the water that cooled at certain level, increased the voluntarily water consumption of indoor cats, and this increase in the consumed water volume, was found to be statistically significant in 4 out of 8 cats."*

The article follows a two week study in which scientists ran a test to determine if cats are more encouraged to drink cooler water. The test was conducted in the homes of the cats. The first week the cats were given room temperature water as normal and then the second week ice cubes were put in the water bowl. There was a significant increase of water consumption in 50% of the cat participants.

Article #2

Feeding and drinking behavior
The article covers feeding behaviors in cats and reviews literature in discussion. The topic of food and water bowls is discussed and how there is no significant difference between the types of water bowls and water consumption. One of the articles discussed mentions how there was a slighter difference in fountains and the owners believed so, however it was not considered significant.

Article #3

Water consumption of cats (Felis catus)
The article has both a literature review and a small study. The literature review covers water intake, the relation to health, and the intake of various nutrients. The study measures if cats are actually meeting the required amount of water that they need and their drinking habits. The study included a questionnaire and measuring the water loss from bowls daily over 5 days. However, the study was determined to be inconclusive overall on measuring drinking habits as there were too many factors such as diet, daytime versus nighttime, and water freshness that were at play.

Article #4

Quantified water intake in laboratory cats from still, free-falling and circulating water bowls, and its effects on selected urinary parameters
Hypothesis: "*The study objectives were to determine if the method of water presentation (still [S], circulating [C] or free-falling [FF] bowl systems) influences daily water consumption in cats in a controlled environment, and whether differences in water intake affect urine relative super saturation (RSS) for calcium oxalate and struvite, urine specific gravity (USG), urine osmolality (Uosmol) and urine volume."*
Conclusion: "*The results from the current study reveal that healthy adult cats do not show a preference towards one specific style of water bowl overall, as determined by water intake, which is similar to previous studies."*

The study done in the article aimed to see if one type of water presentation encouraged cats to drink more water. 16 cats were each given one type of bowl at random and spent two weeks using it before moving on to a different bowl. The results showed that the differences between the water consumed based on the bowls was not significant, and therefore it was concluded that water presentation does not affect water consumption.

Interviews

Total Participants: 4
Total Cats: 5
**All participants gave consent to have their responses disclosed at the time of their interview*

Master Doc // Questions

Preliminary Cat Questions

What is your cat's name?

What is your cat's physical appearance? (age, fur color/length, eye color, etc.)

Is your cat currently in good health?

Extra Cats

Name:
Appearance:
Health:

Name:
Appearance:
Health:

Cat Behavior

What is your cat's general personality like?

Does your cat get scared or startled easily?

Is your cat usually curious?

What are your cat's eating habits? (What is their current diet, do they eat on a regular basis, do they eat all their food, are they food motivated, etc.)

What are your cat's playing habits? (Do they play alone, with owner, do they play frequently, at what time(s), etc.)

Do you have any concerns over your cat's current behavior?

Cat Hydration Habits

What are your cat's drinking habits?

How do you currently give your cat water? (Bowl, fountain, running water, etc.)

Do you believe that your cat is receiving enough hydration?

Do you ever observe your cat drinking water? Either deliberately or in passing?

Does your cat's personality or behavior affect their hydration habits? (Does owner believe that…?)

Do you utilize any alternative methods to give your cat hydration? (wet food, broths, purees, etc)

Have you had any concerns with your cat and their hydration?

Has your cat ever experienced any health issues related to hydration/dehydration?

Have you tried any other methods of giving your cat water outside what was mentioned before?

- **If so, how did the cat respond to the new/alternate method?**
- **If not, what method would you think about using?**

Is there anything else you want to say regarding your cat?

Disclosed Responses

Interviewee: Participant #1
Interviewer: Camille Coopwood

Date: February 12, 2026
Time: 7-8 p.m.
Modality: E-mail questionnaire

Preliminary Cat Questions

What is your cat's name?
Gene [redacted]
What is your cat's physical appearance? (age, fur color/length, eye color, etc.)
7 years old, tuxedo cat with white chin & chest hair & 2 white mittens, green eyes, 14.6 lbs & on a treat deficit for weight loss of 1-2 lbs
Is your cat currently in good health?
Gene has an annual vet exam & is in great health

Extra Cats

Name: Percy [redacted]
Appearance: black long hair, 12 years old, green eyes
Health: in good health for his age, has slowed down, still very affectionate

Name: Perry [redacted]
Appearance: brown-grey tabby short hair, 10 years old, green eyes
Health: in good health, needs to lose weight, ornery disposition

Cat Behavior

What is your cat's general personality like?
Gene exhibits stereotypical cat traits: zoomies like clockwork in the evening after dinner, close proximity to humans but not overly affectionate - sitting on back of sofa while human is reading,

napping on loveseat while human is working on a puzzle, adorably leaves toys for territorial reasons or to show endearment - in food bowl or on bed
He is a joy to have in our family, adding interest to the day without causing any problems.

Does your cat get scared or startled easily?

Gene is skittish, if someone or another pet walks too closely nearby, he will dart away. If a guest or worker comes to the house, he will hide until they are gone.

Is your cat usually curious?

Gene is a curious cat, he likes to play with toys. He explores the house by opening cabinets, usually at night.

What are your cat's eating habits? (What is their current diet, do they eat on a regular basis, do they eat all their food, are they food motivated, etc.)

Gene is fed moist food twice a day, around 7am & 5pm. It consists of Fancy Feast moist food topped off with Delectables puree & he eats most of what he is served. Temptations treats are served between meals, these are well-received and enjoyed.

What are your cat's playing habits? (Do they play alone, with owner, do they play frequently, at what time(s), etc.)

Gene likes to play with toys, usually on his own. He does engage in evening zoomies by chasing other cats.

Do you have any concerns over your cat's current behavior?

Gene is aging and slowing down, he used to do this "hopping" motion to and from, it is now nonexistent.

Cat Hydration Habits

What are your cat's drinking habits?

Gene drinks water as needed. He does not seem overly thirsty.

How do you currently give your cat water? (Bowl, fountain, running water, etc.)

Water bowls are provided, one in the laundry room near the food bowl, a second on the outdoor screened in patio - iced water is provided in warm weather.

Do you believe that your cat is receiving enough hydration?

Gene is receiving enough hydration, he is showing no signs of illness - panting, urinating problems.

Do you ever observe your cat drinking water? Either deliberately or in passing?

I occasionally will see Gene drinking from both bowls, when I do I try to walk by slowly as Gene can be skittish.

Does your cat's personality or behavior affect their hydration habits? (Does owner believe that…?)

I don't think Gene's behavior affect his hydration habits, he is not active enough nor is he allowed outside. If he is in hot weather on the patio, ice water is provided.

Do you utilize any alternative methods to give your cat hydration? (wet food, broths, purees, etc)

Gene is given wet food and puree in order to provide hydration.

Have you had any concerns with your cat and their hydration?

Gene was not drinking enough water when he suffered from recurrent u.t.i.s (urinary tract infections) He was taken to the vet to have his urethra blockages cleared.

Has your cat ever experienced any health issues related to hydration/dehydration?

Gene suffered from recurring u.t.i.s, eventually leading to possible loss of life if his kidneys would stop functioning. If this continued, Gene's body would eventually give out. This traumatic event led to the life saving Perineal Urethrostomy (P.U.) surgery for Gene. It was a major surgery with a 2 day hospital stay, a significant incision & 10 day recovery time at home. It was a success.

Have you tried any other methods of giving your cat water outside what was mentioned before?

- **If so, how did the cat respond to the new/alternate method?**
- **If not, what method would you think about using?**

Cat water fountains have been tried, to no success. I have considered adding another water bowl.

Is there anything else you want to say regarding your cat?

Gene has been a great addition to our family. He was rescued by 3 moms from a busy street in [redacted] & he was a welcomed surprise. He gets along with the other pets & has his own quirky personality & the regal look of a tuxedo cat. I am grateful he adopted us.

Interviewee: Participant #2
Interviewer: Camille Coopwood

Date: 2/17/2026
Time: 12:07 PM
Modality: In-Person

Preliminary Cat Questions

What is your cat's name?

Strawberry

What is your cat's physical appearance? (age, fur color/length, eye color, etc.) -

Yellow/green eyes, Medium length hair, brown and black tabby. Year ½ in age (20 months)

Is your cat currently in good health? - Yes

Extra Cats

Name:
Appearance:
Health:

Name:
Appearance:
Health:

Cat Behavior

What is your cat's general personality like?
Very cuddly, people person, social, not really scared, likes attention, very playful and vocal, kinda stupid, but clever, her favorite snack is plastic

Does your cat get scared or startled easily?
Does not think so, outside of true unexpected noises

Is your cat usually curious?
Is very curious, gets herself stuck in situations, likes to open cabinets and doors.

What are your cat's eating habits? (What is their current diet, do they eat on a regular basis, do they eat all their food, are they food motivated, etc.)
Breakfast at 6am, dry food dinner at 6-8 pm wet fish flavored food, is not particularly food motivated, eats wet food quicker (within the hour) than dry food

What are your cat's playing habits? (Do they play alone, with owner, do they play frequently, at what time(s), etc.)
She plays alone with her toys, pounces on them, individual toys and ribbon, does play with Trinity and roommates at least once a day

Do you have any concerns over your cat's current behavior?
Not really, trying to break love bite habits.

Cat Hydration Habits

What are your cat's drinking habits?
Not entirely sure, wet food substitutes some water consumption, water bowl might be filled once a day or once every other day, does not like when water bowl runs low

How do you currently give your cat water? (Bowl, fountain, running water, etc.)
Uses a bowl, does not like running water

Do you believe that your cat is receiving enough hydration?
Thinks so, no issues with bathroom or health

Do you ever observe your cat drinking water? Either deliberately or in passing?

Rarely sees her drink water, bowls are hidden from general sight.

Does your cat's personality or behavior affect their hydration habits? (Does owner believe that…?)
Cat hates water and there might be some correlation, but not enough to affect health

Do you utilize any alternative methods to give your cat hydration? (wet food, broths, purees, etc)
Wet food once a day

Have you had any concerns with your cat and their hydration?
When cat was initially adopted, wet food only diet as she was a kitten, did not drink much water because of wet food

Has your cat ever experienced any health issues related to hydration/dehydration?
No reported health issues under Trinity's care

Have you tried any other methods of giving your cat water outside what was mentioned before? - Yes, has tried running the sink

- **If so, how did the cat respond to the new/alternate method? -** Got scared and ran away
- **If not, what method would you think about using?**

Is there anything else you want to say regarding your cat?
N/A
-once had an issue of peeing on [Participant]'s stuff due to stress

Interviewee: Participant #3
Interviewer: Camille Coopwood

Date: 2/17/2026
Time: 6:10 PM
Modality: In Person

Preliminary Cat Questions

What is your cat's name? - Ari (nickname) Arigato Gozaimasu [redacted]

What is your cat's physical appearance? (age, fur color/length, eye color, etc.)
Dark gray 5 month kitten, very lengthy, long hair coat

Is your cat currently in good health?
She is now, had a stomach bug the previous week (from the day of interview)

Extra Cats

Name:
Appearance:
Health:

Name:
Appearance:
Health:

Cat Behavior

What is your cat's general personality like?
Territorial, playful (kitten), teething (bites a lot), curious, responds best to sound stimuli

Does your cat get scared or startled easily?
She used to, but not much anymore, most responsive to sounds

Is your cat usually curious?
Yes, she approaches and taps with cautions, and sounds

What are your cat's eating habits? (What is their current diet, do they eat on a regular basis, do they eat all their food, are they food motivated, etc.) -
Eats every morning at 8 am, and every dinner at 6, and grazes throughout the day ¼ cup per meal, just dry food

What are your cat's playing habits? (Do they play alone, with owner, do they play frequently, at what time(s), etc.) -
Plays alone and with [Participant], goes to scratching post before going to play with toys, oriented towards sound based toys

Do you have any concerns over your cat's current behavior?
When she was sick, going to the bathroom outside of the litter box, and [Participant] had to use positive reinforcement to get Ari to use the litter box again. Very stressed, confused and angry when sick. Used pheromone diffuser while sick.

Cat Hydration Habits

What are your cat's drinking habits?

When initially adopted, could not get to drink water, used wet food w/ water to ensure hydration. Took weeks to realize that sink would work, switched to fountain early in January. Likes running water.

How do you currently give your cat water? (Bowl, fountain, running water, etc.)
Running water fountain.

Do you believe that your cat is receiving enough hydration?
Yes, bathroom habits are healthy

Do you ever observe your cat drinking water? Either deliberately or in passing?
Yes, cat does not care for being watched

Does your cat's personality or behavior affect their hydration habits? (Does owner believe that…?)
No, but when traveled to another house she had hard time with water situation

Do you utilize any alternative methods to give your cat hydration? (wet food, broths, purees, etc)
Nope

Have you had any concerns with your cat and their hydration?
Once the sink/running water was figured out then it was no longer

Has your cat ever experienced any health issues related to hydration/dehydration? - Does not know what the cause of the bacterial infection was, but suspects it was food related.

Have you tried any other methods of giving your cat water outside what was mentioned before? - No

- **If so, how did the cat respond to the new/alternate method?**
- **If not, what method would you think about using?**

Is there anything else you want to say regarding your cat? - N/A
Cat is living her best life.

Interviewee: Participant #4
Interviewer: Camille Coopwood

Date: 2/18/2026
Time: 6:00 PM
Modality: In-Person

Preliminary Cat Questions

What is your cat's name?
Strawberry

What is your cat's physical appearance? (age, fur color/length, eye color, etc.)
Gray/brown tabby, green eyes, domestic shorthair, brown/golden stripes, 1 ½ years old

Is your cat currently in good health?
Yes

Extra Cats

Name: Piper
Appearance: Brown tabby, small, gold eyes, shorthair, eight years old
Health: Yes

Name: Flynn
Appearance: Big orange tabby, 13 pounds of fluff, medium hair, gold eyes
Health: Yes

Cat Behavior

What is your cat's general personality like?
Playful, likes attention, likes to perch, self initiated play
Flynn: easy-going, tolerant, thinks he is a dog, likes to watch birds, likes to go into car and cat backpack, very cuddly
Piper: reserved, more skittish, very clean, wants attention on her terms

Does your cat get scared or startled easily?
Piper does, the others not really
Strawberry is chill

Is your cat usually curious?
Yes, all are relatively curious

What are your cat's eating habits? (What is their current diet, do they eat on a regular basis, do they eat all their food, are they food motivated, etc.)
Strawberry - fed twice a day, night is wet food, morning is dry food, loves her food, will cry for it
Piper and Flynn have access to food all day, graze on food, Flynn will come when food is replenished, do not have overeating habits

What are your cat's playing habits? (Do they play alone, with owner, do they play frequently, at what time(s), etc.)
Will play alone and with owners, is pretty active
Piper likes wand toys (does not play alone)
Flynn will bat around a spring on his own (does not understand owner play)
[redacted] cats get into sibling skirmishes

Do you have any concerns over your cat's current behavior?
Strawberry likes to eat things she is not supposed to.

Cat Hydration Habits

What are your cat's drinking habits?
Gets water in a bowl that is refilled daily, does not drink too much
Piper and Flynn have a water fountain (Piper really likes the water fountain) Flynn will drink out of fountain and still water bowls

How do you currently give your cat water? (Bowl, fountain, running water, etc.)
Water fountain - [redacted] Cats
Bowl - Strawberry

Do you believe that your cat is receiving enough hydration?
Piper and Flynn, yes
Not sure on Strawberry (maybe?)

Do you ever observe your cat drinking water? Either deliberately or in passing?
Has never seen strawberry drink water. The [redacted] cats, yes Piper puts water on paw and wipes her face.

Does your cat's personality or behavior affect their hydration habits? (Does owner believe that…?)
Bc Piper is skittish, if water source is not considered safe, then she may not drink

Do you utilize any alternative methods to give your cat hydration? (wet food, broths, purees, etc)
Strawberry gets wet food

Have you had any concerns with your cat and their hydration?
Strawberry has had an issue with peeing on the owner's things.

Has your cat ever experienced any health issues related to hydration/dehydration?
Maybe? See above about Strawberry

Have you tried any other methods of giving your cat water outside what was mentioned before? - Does not think so

- **If so, how did the cat respond to the new/alternate method?**
- **If not, what method would you think about using?**

Is there anything else you want to say regarding your cat?
Loves her cat.

Synthesis

Says/Does/Thinks/Feels

Says

- “Her favorite snack is plastic”
- “I rarely see her drink water”
- “She is more inclined to the sound of the water”
- “I have considered adding another water bowl”
- “If the water source is not considered safe then she [cat] will not drink from it”

Does

- Gives cats wet food in order to maintain moisture intake
- Keeps water and food bowl out of general line of sight
- Give cats multiple places to drink water
- Has experiment with different types of water presentations to get the right ones
- Avoids observing cat to keep them drinking water (cat is skittish)
- Puts ice in outdoor water bowl to cool down water

Thinks

- Thinks that cat is getting enough water but is not sure

- Does not believe that there is any reason to try any methods of giving water if the current one works
- Even though she cannot see her cat drink the water, she believes the cat is getting enough
- Is mindful about the cat's environment and stimuli

Feels

- Content with how much water her cat is getting
- Feels as thought the cat's habits are ok
- Is sometimes worried about water/moisture intake due to past health issues
- Content with the way the water is presented
- Is unsure if cat is getting water since they never see her drink any water

Insights

Observation #1

Cats are more inclined to drink cooler/cold water

- *"In conclusion, cooling the water resulted with an increase in the water consumption in cats." - Article 1 (Tatlıağız)*
- *"If he is in hot weather on the patio, ice water is provided." - Participant One*

Insights

Cats are more inclined towards cooler/cold water due to taste sensation

- *"Our findings suggest that cats preferred to consume cooled water in parallel with the role of temperature in the differentiation of taste sensation." - Article 1 (Tatlıağız)*

Cooler/cold water can keep cats from getting too hot (temperature regulation)

Opportunities

Incorporate a way to keep water cool to encourage water drinking

Observation #2

Water bowls are kept away in some capacity

- *"Keeps water and food bowl out of general line of sight" - Participant Two*

Owners do not see their cats drink water

- *Rarely sees her drink water, bowls are hidden from general sight." - Participant Two*
- *"Has never seen Strawberry drink water." - Participant Four*

Insights

Cats do not like to be observed

- *"I rarely see her drink water" - Participant Two*
- *"Not sure on Strawberry [receiving enough hydration]" - Participant Four*
- *"Avoids observing cat to keep them drinking water" - Participant One*

Drinking habits are different than eating habits

- *"Furthermore, one cat drank mostly outdoors, two cats preferred to drink from their water bowl and one cat was often seen to drink water from water glasses, plates, jugs, bathroom, wastes left behind and less from the water bowl (water bowl was cleaned and refilled every three days in this case)." - Article Three (Alipourmazandarani)*

Opportunities

Compact, size-friendly design

Observation #3

There is no across-the -board preferred method for cat water bowls

- *"Studies show that the choice of water bowls does not change water intake significantly but there are individual preferences." - Article Two (Frank)*
- *"For 12 remaining cats, intake was slightly greater from the fountain but urine osmolality was not significantly different. The fountain did not substantially increase water intake nor did it dilute urine. Ten of the 12 owners believed that their cat liked the fountain, one owner was unsure, and one felt their cat did not like the fountain (Grant, 2010)" - Article Two (Frank)*
- *"Overall, water bowl type had no appreciable effect on water intake in healthy cats." -Article Two (Frank)*
- *"The implication of this is unknown, considering water intake did not differ significantly between bowls." - Article Two (Robbins et al.)*
- *"The results from the current study reveal that healthy adult cats do not show a preference towards one specific style of water bowl overall, as determined by water intake, which is similar to previous studies." -Article Two (Robbins et al.)*

Articles state that there is no statistical difference/significance in any type of water bowl.
**Note: Participant Three's cat uses a fountain, all other participant cats use stillwater*

In some cases, some cats prefer fountains as it mimics running water in nature

- *“She is more inclined to the sound of the water” - Participant Three*

Insights

With domesticated cats far from their big cat environments and habits, and individual’s own temperament and experiences determine their habits.

- All cats are different.

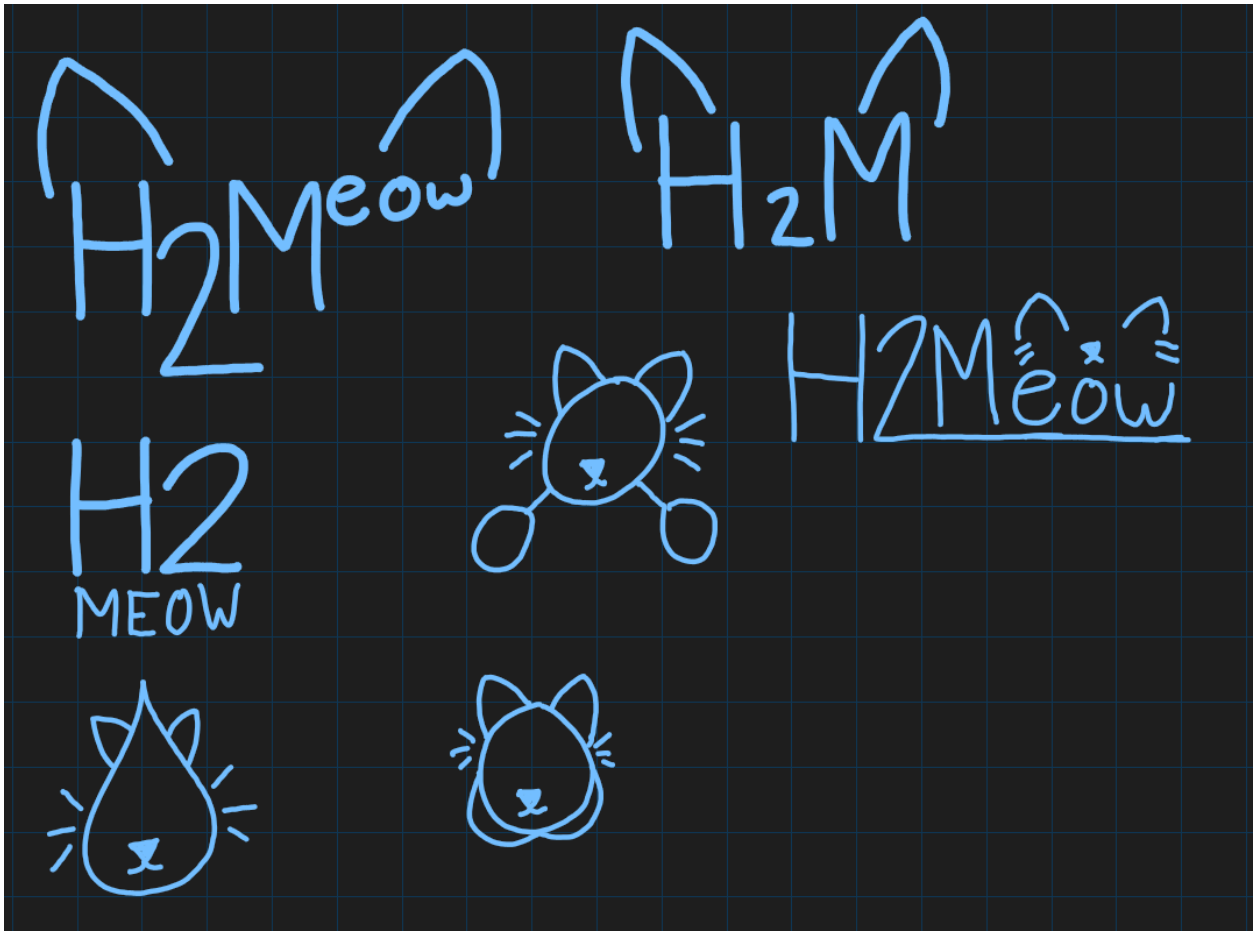
The presentation of water does not motivate/demotivate cats to drink water

Opportunities

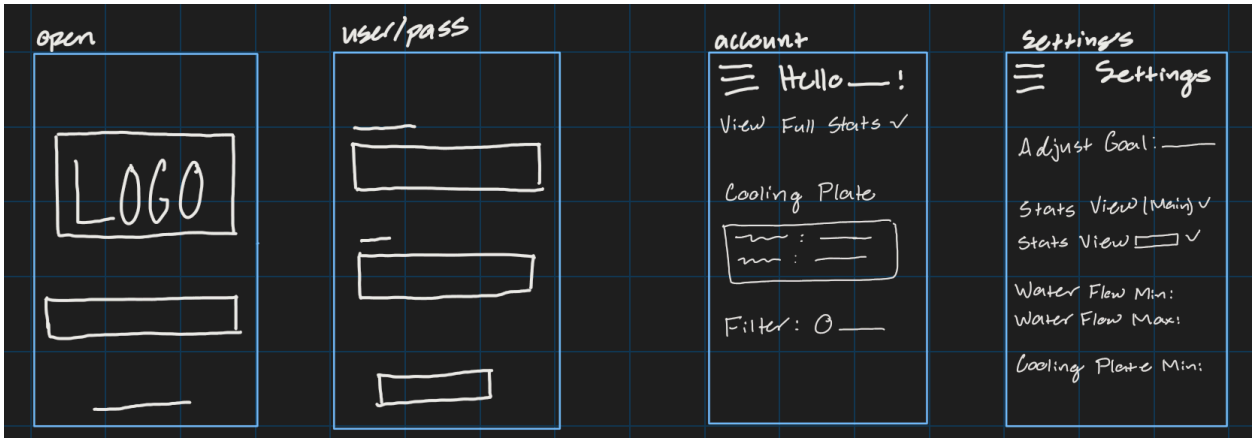
Versatility in design creation
Possibility to combine designs

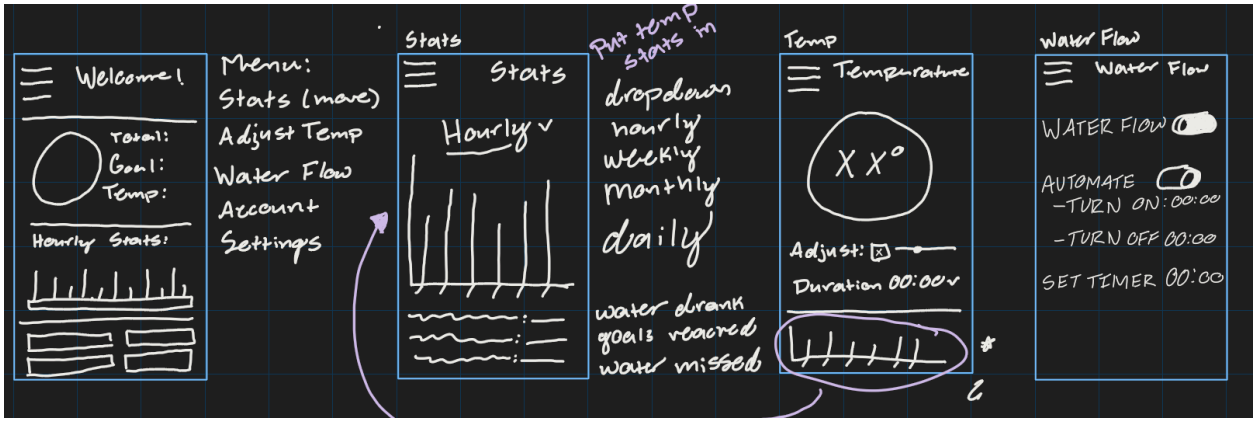
Sketches

Logo

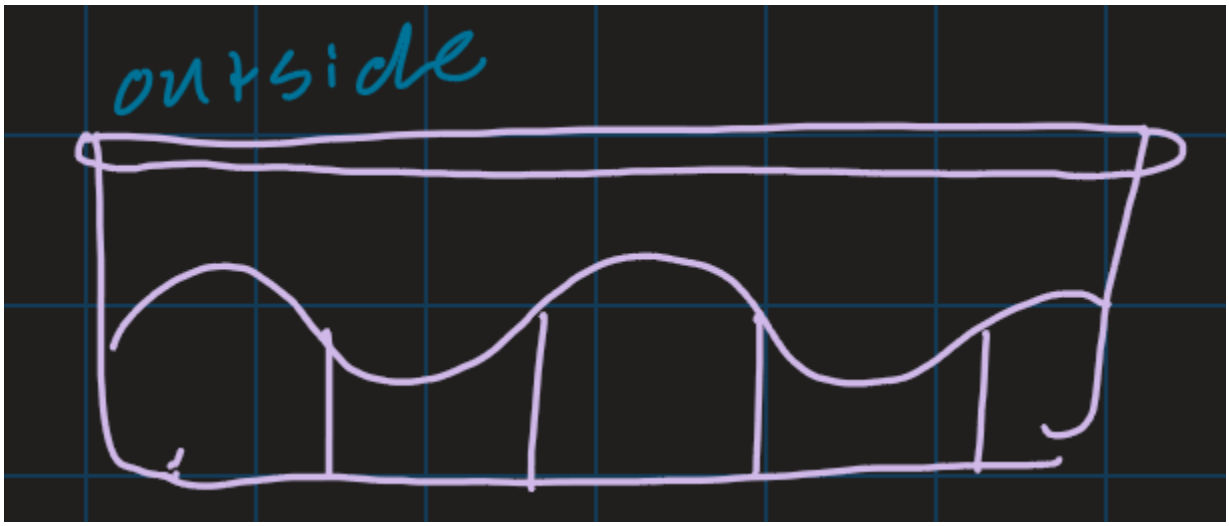


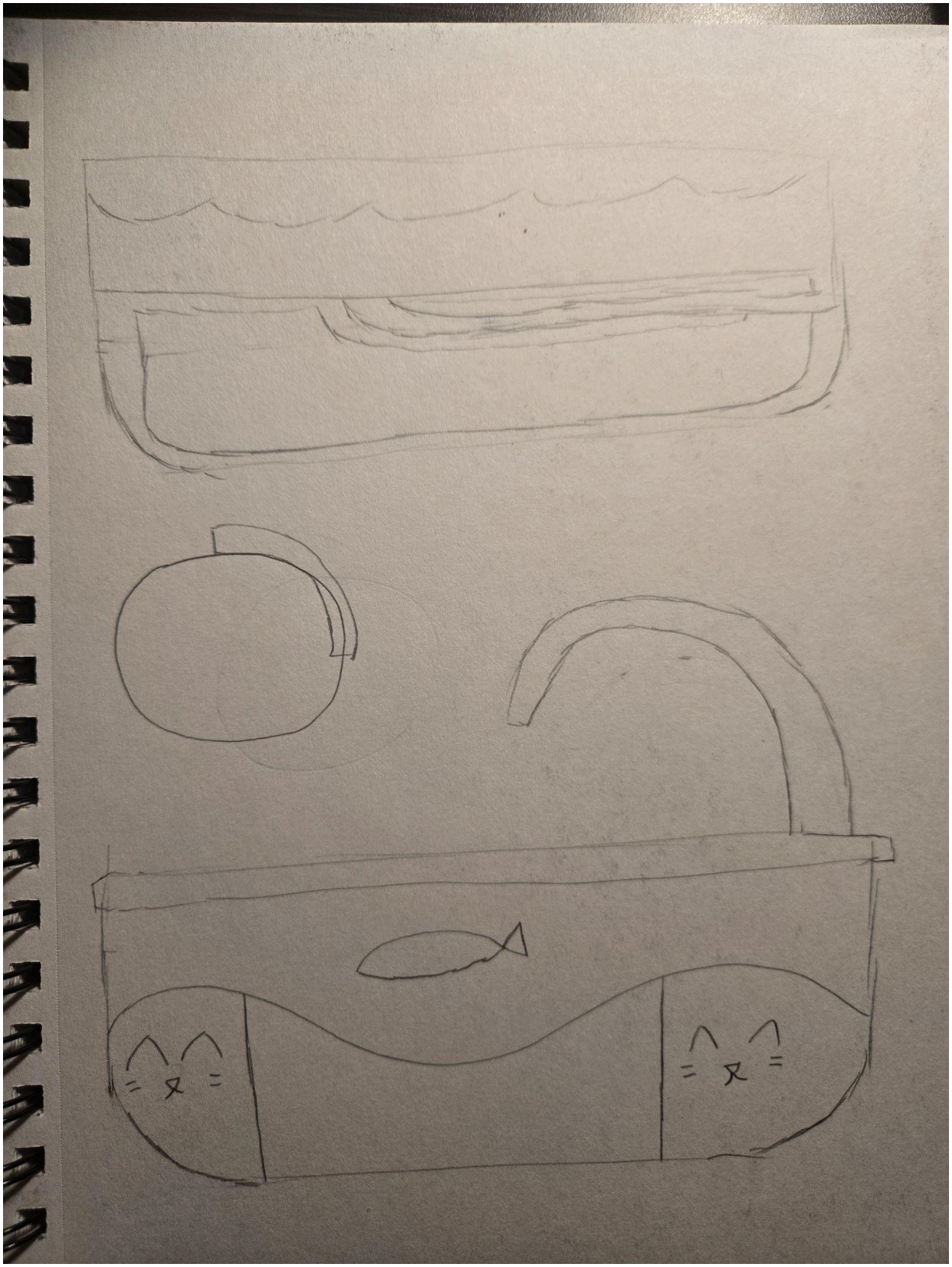
Wireframes




Welcome!
Total:
Goal:
Temp:
Hourly Stats:
Menu:
Stats (move)
Adjust Temp
Water Flow
Account
Settings
Stats
Stats
Hourly
Put temp stats in
dropdown
hourly
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monthly
daily
water drank
goals reached
water missed
Temp
Temperature
XX°
Adjust:
Duration 00:00
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Water Flow
WATER FLOW
AUTOMATE
-TURN ON: 00:00
-TURN OFF 00:00
SET TIMER 00:00

Product





Final Deliverables

Logo

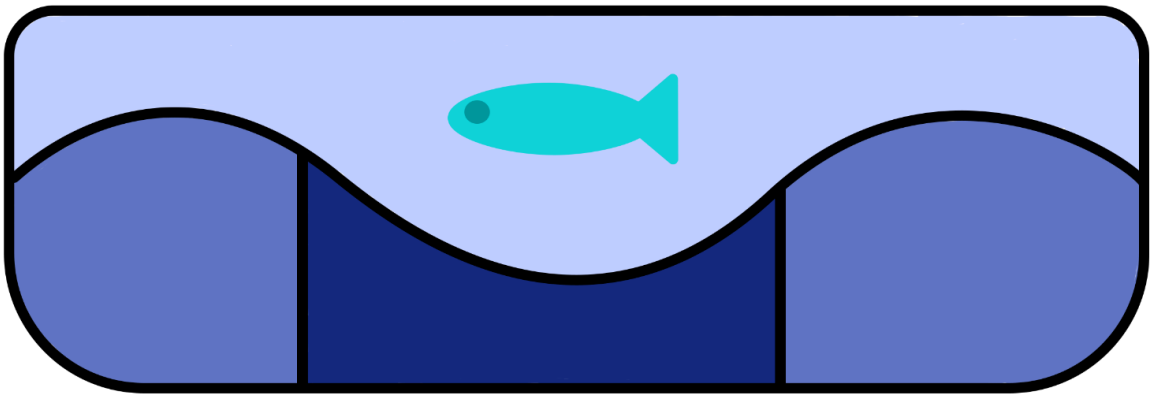


Full Wireframes

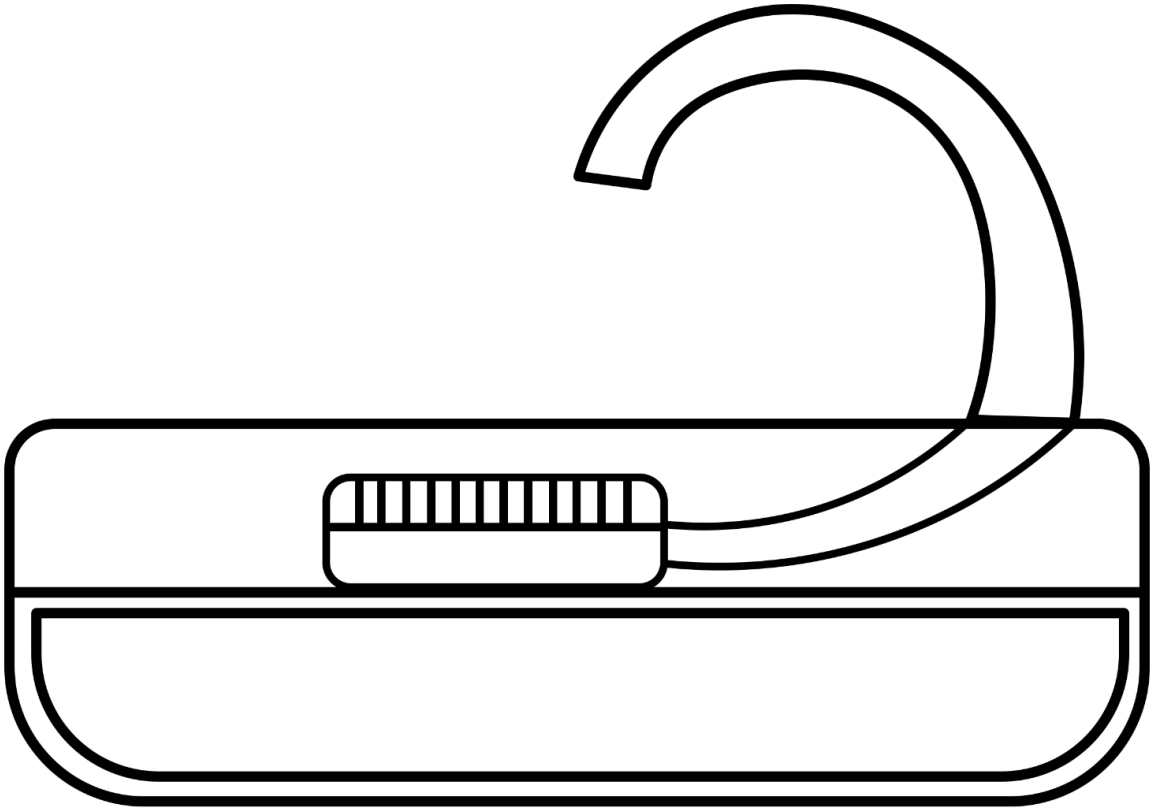


Product Concept

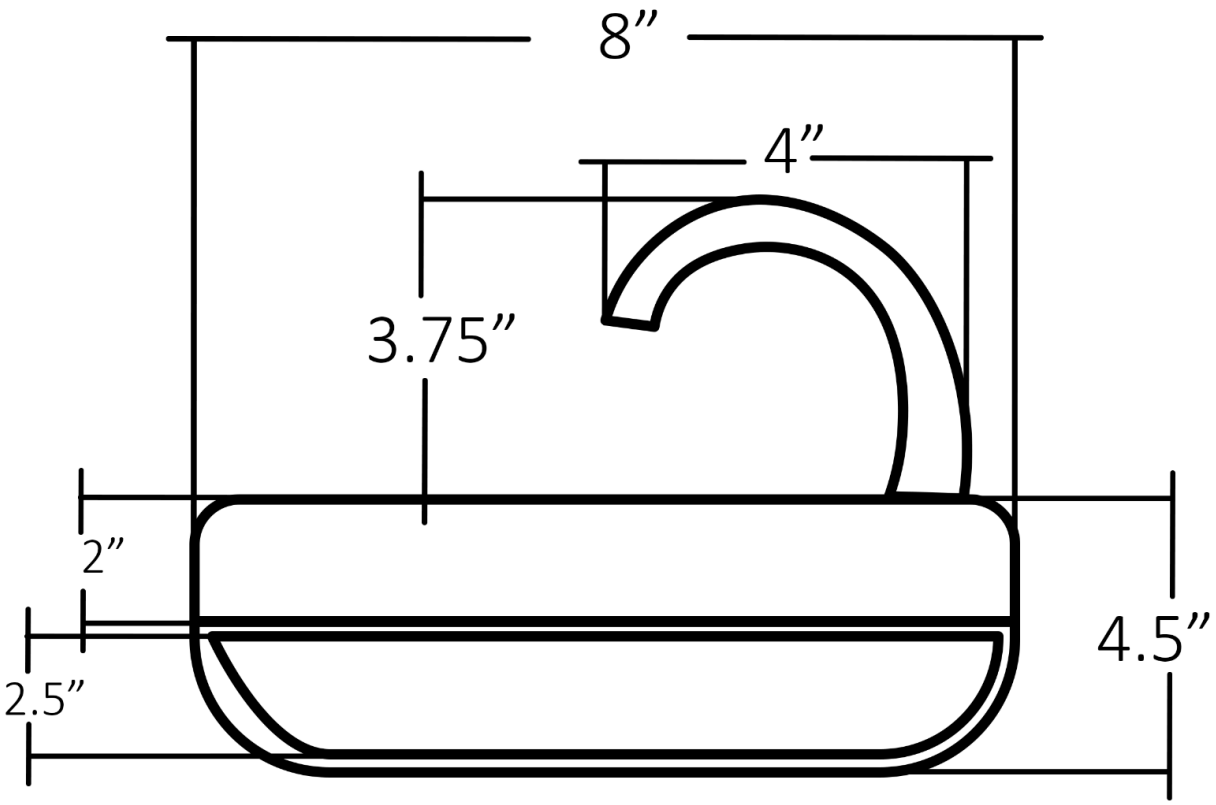
OUTSIDE DESIGN



INSIDE DESIGN W/ FOUNTAIN



FOUNTAIN MEASUREMENTS



Descriptions

Fountain

The actual cat fountain comes with four distinct features to ensure the best possible water presentation for cats to drink from.

- **Cooling Plate:** The bottom of the fountain holds a cooling plate, which is used to keep the water at cool/cold, consistent temperature as to provide the taste sensation that cats are drawn to to encourage them to drink water. Additionally for the owner's convenience, the cooling plate can be controlled through the accompanying app.
- **Water Filter:** Including a water filter in a cat fountain is a pretty standard practice, as it keeps the water fresh and free from any harmful elements.
- **Shallow Bowl:** Since some cats dislike deep bowls and will stop drinking water if they cannot reach their source, the bowl is kept shallow so that cats will always be able to reach their water and thus keep drinking it.
- **Fountain Spout:** There is also a spout that leans over the bowl, mimicking that of water water falling out of the sink. This feature is for cats that might prefer running or free falling water over still water.

Accompanying App

Main Features

- **Home Page:** The main screen is the home page which is what first appears after logging in to the app. It features a summary of the most important information that the user may need to look at a glance. It also features the most significant statistics chart and at the bottom of the screen there are buttons for easy navigation to the other featured pages.
- **Statistics:** The 'stats' or statistics page provides bar graphs of two data sets, the first being how much water is being drunk by the cat, and the second being the temperature of the water bowl. Measuring how much water the cat drinks helps the user keep track and eliminates and unknowns about their cat's habits. The temperature statistic measures the temperature from the cooling plate which can be useful to the user as they can find out their cat's preference and see when the water is running too cold or too hot and adjust as needed. Additionally,
- **Temperature:** The Temperature screen showcases the current temperature of the water bowl at the top of the screen, and towards the bottom features two ways to adjust it: the first being a slider to get a specific temperature and then a dropdown with presets. Beneath that there is an option to set the duration of the temperature, so that it only lasts a certain amount of time.
- **Water Flow:** The water flow screen mainly controls the fountain spout, firstly by being able to toggle it on and off. Which then follows into duration to have it running for a set amount of time or automation which allows the user to schedule the spout at a certain

time of day for a set duration. At the bottom of the screen is information about the water filter to ensure that the water stays fresh.

Other Screens

- **Welcome:** The first screen that the user sees when they open the app, which prompts them to login.
- **Login:** A standard login screen with a username and password.
- **Menu:** The menu screen that pops up with the hamburger menu

Conclusion

In conclusion, H2-Meow aimed to solve the issue of cats and drinking water. The solution? A water bowl that takes into consideration the general habits and behaviors of cats along with what their owners need in order to keep their cats happy and healthy.

Reflection

Overall, I am happy with the progression of this project and how my final deliverables turned out. I do wish that I had spent more time in the synthesis stage following my research, as I had rushed that section to stay relatively on schedule. I also wish I could do more with the wireframes, I just did not have the time (or patience) to do so. Additionally, I wish there was more detail overall. However, despite the shortcomings along the way I do think that this project still manages to encapsulate the design process from beginning to end.