

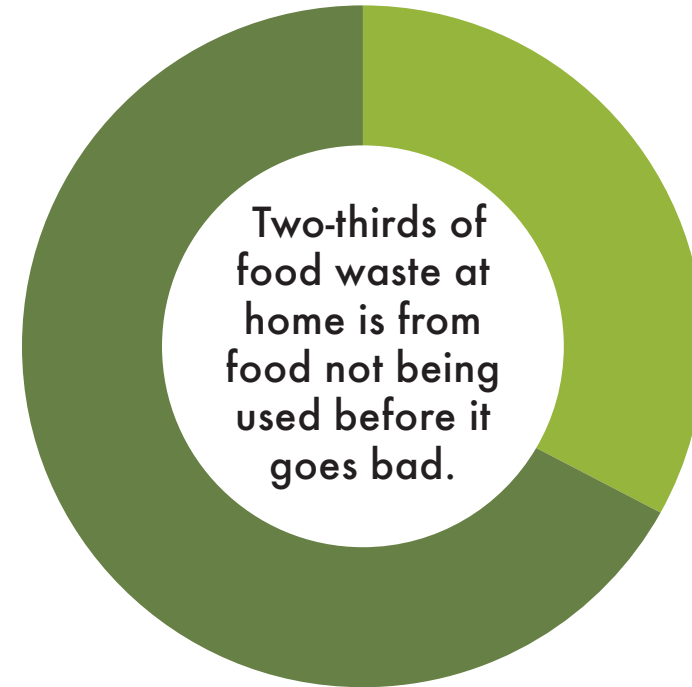
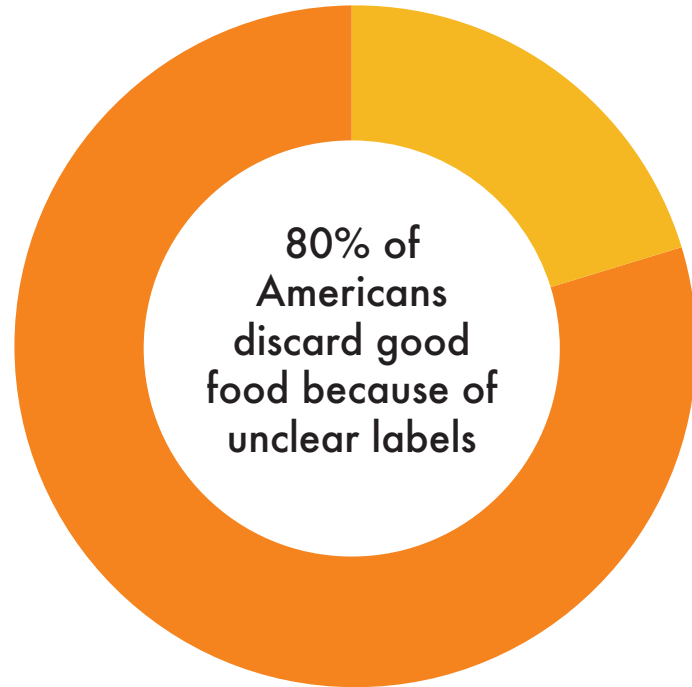


# *Pantry Pal*

A smart grocery shopping device that connects to an app with virtual pantry features, meal planning, recipe searching, and expiration notifications - all aimed at helping reduce food waste.

# Concept Overview

## Sources of Food Waste In The US

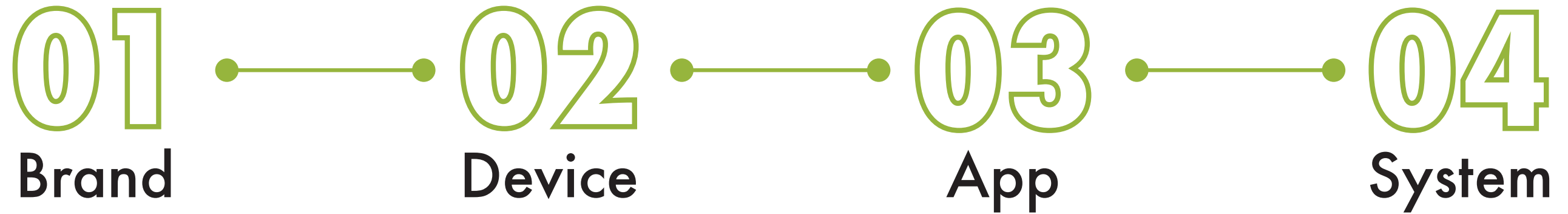


### The Problems:

- ① Misconceptions around expiration dates
- ② Customer food waste
- ③ Single use plastic produce bags
- ④ Produce Stickers

## System Overview:

An all encompassing system that tailors the shopping experience to minimize food waste. The system includes an app and a device. The process of each step will be shown separately and will be combined at the end to explain the system.





01

**Brand**





Top choice  
↙

Name ideas



Smart Shopper

Green Grocer

Meal Mate

fresh friend

fridge finder

Cart Caddy



Basket Buddy

Smart Cart

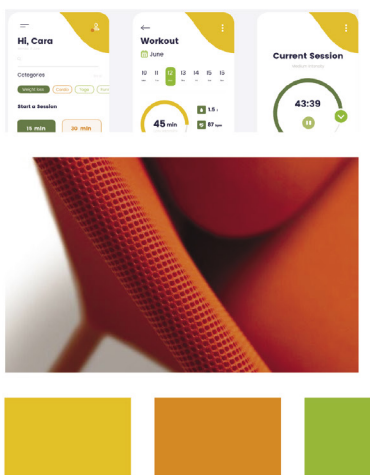
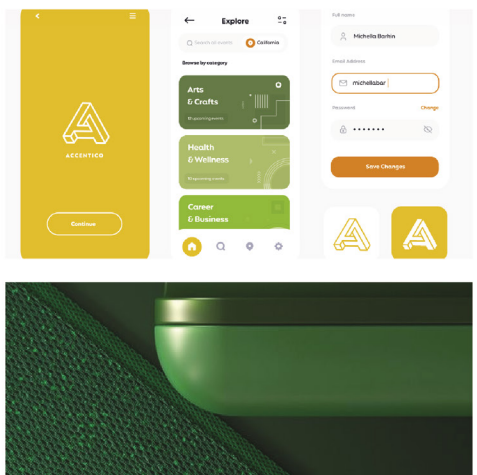
fresh finder

Plate Pal

fresher

Smart Saver

## Selected Color Palette



Project title landed on: **Pantry Pal**



Logo Ideation

Pantry  
Pal

Pantry  
Pal

Pantry  
Pal

Pantry Pal

Pantry Pal

Pantry Pal

Pantry Pal

Pantry Pal

Pantry Pal

Pantry Pal

PANTRYPAL

Pantry Pal





**Pantry Pal**



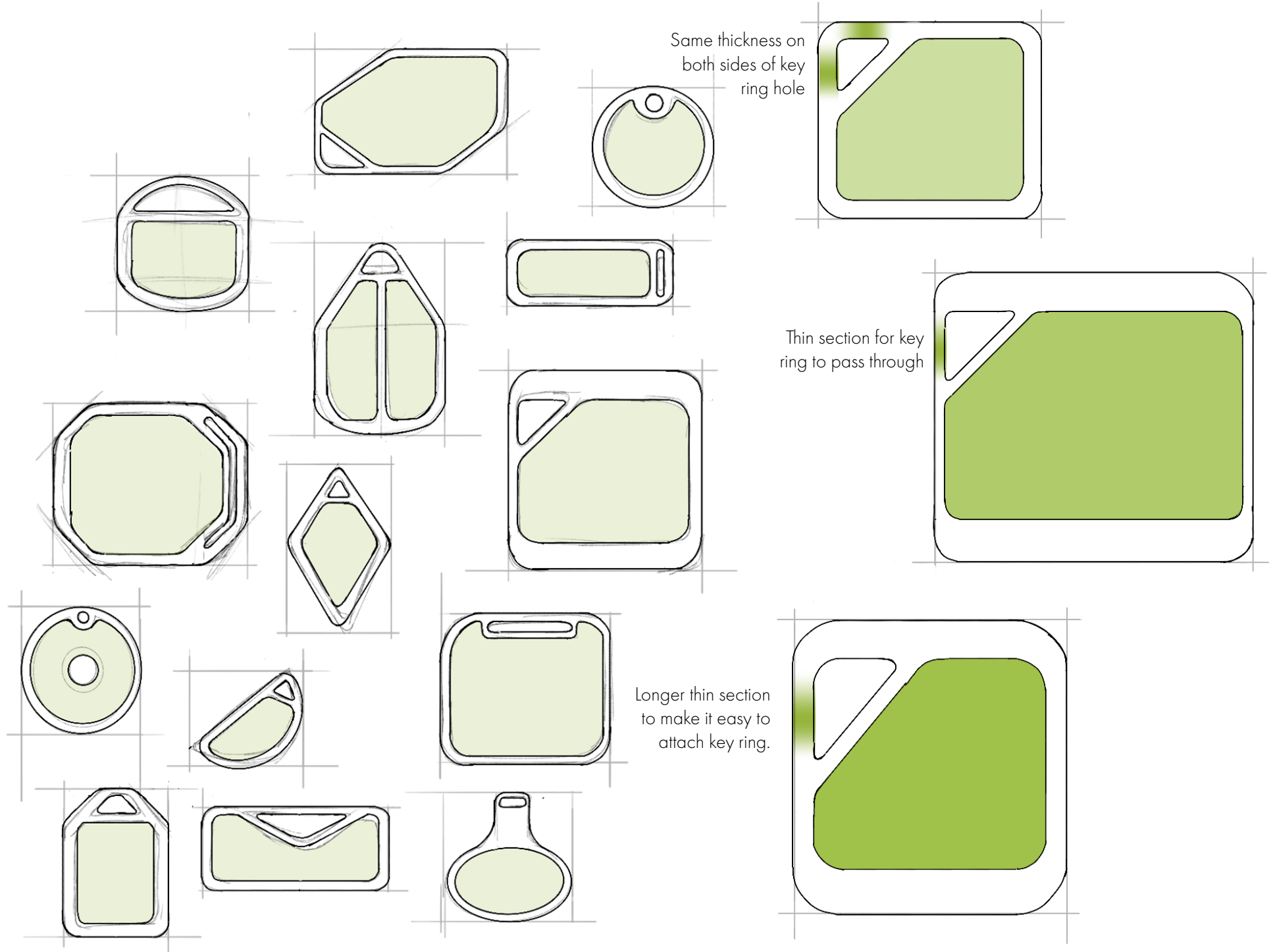




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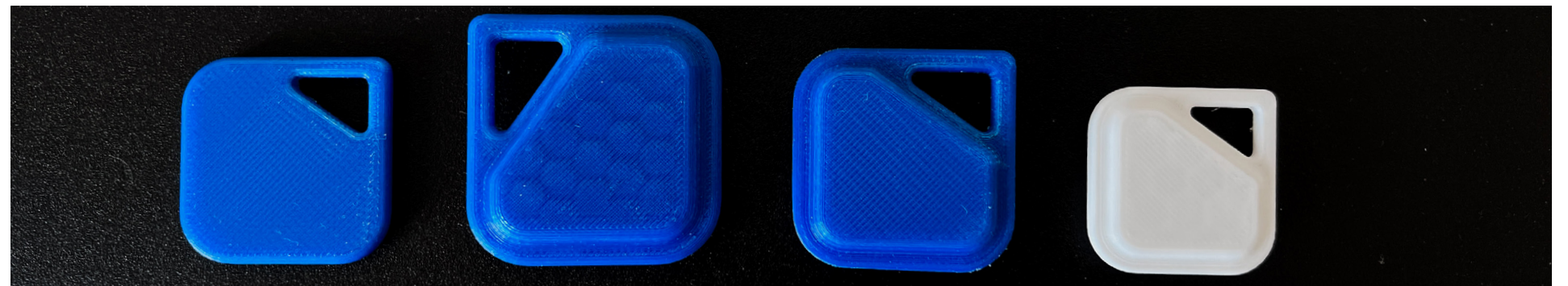
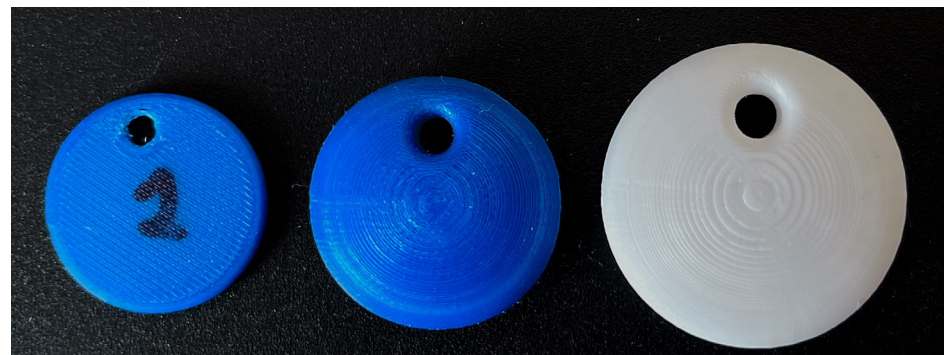
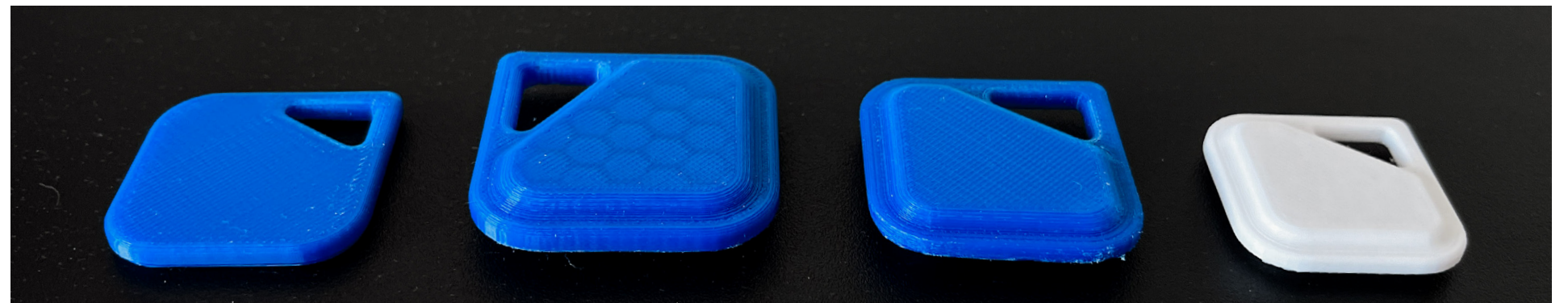
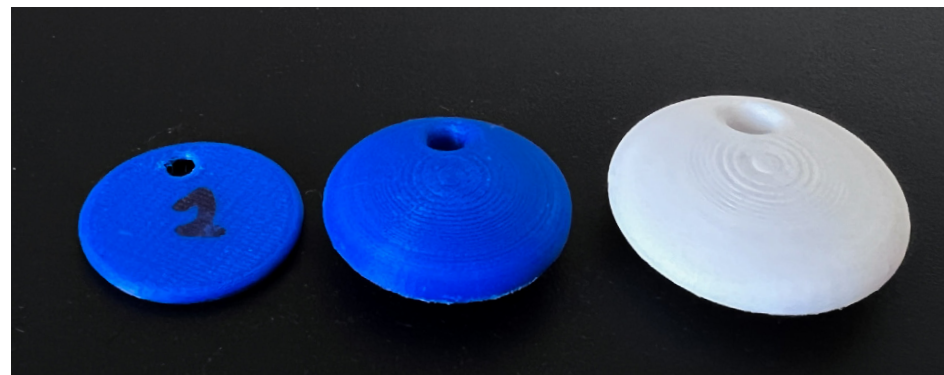
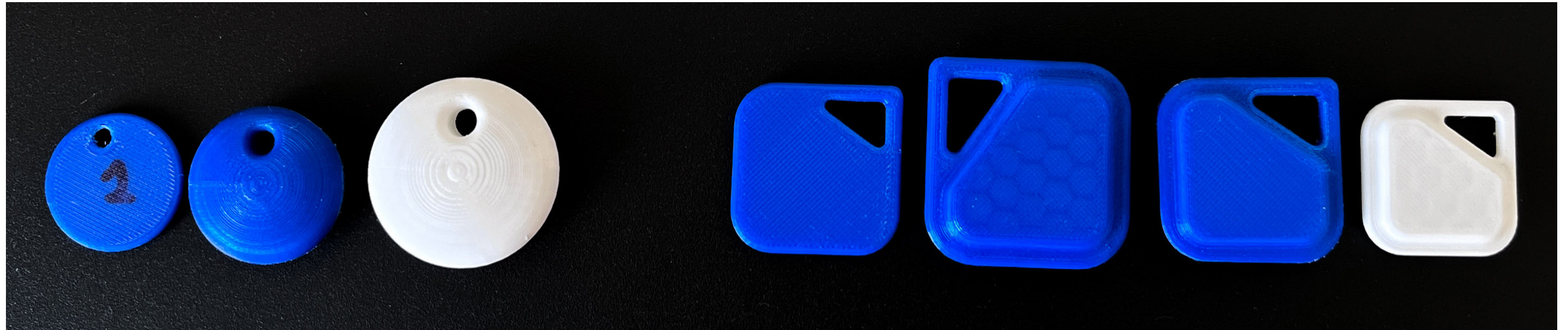
**Device**

# Device Ideation





# First Prototypes





# Final Prototype



# CMF Exploration



↑  
Very "kiddy"  
Too friendly

Too techy and not  
friendly enough



↑  
Color-blocking does  
not feel cohesive











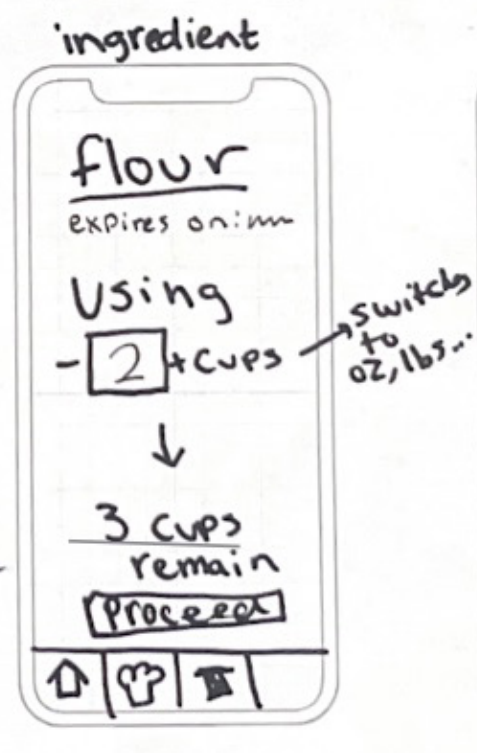
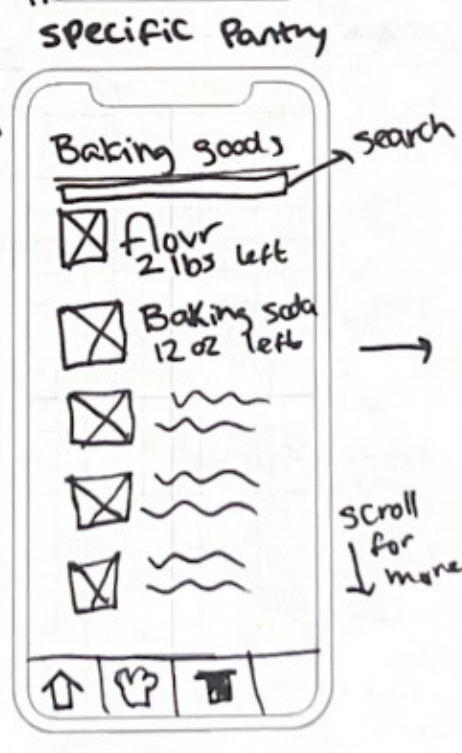
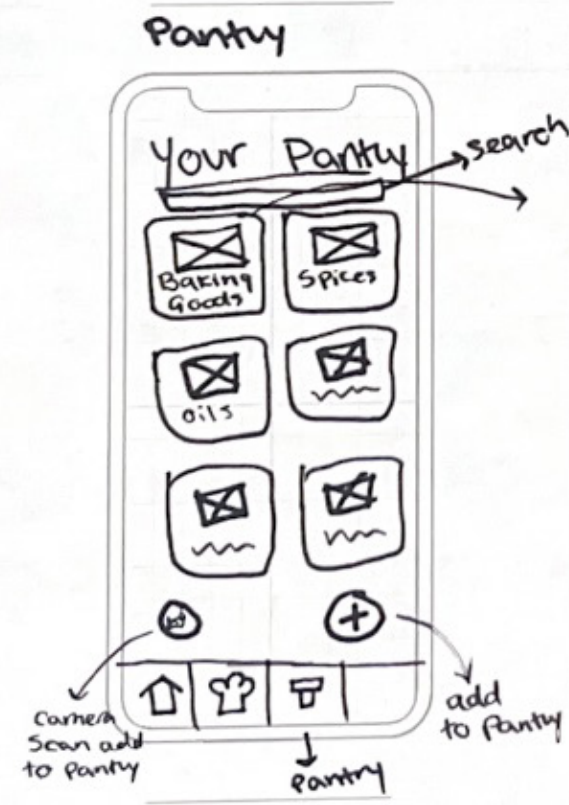
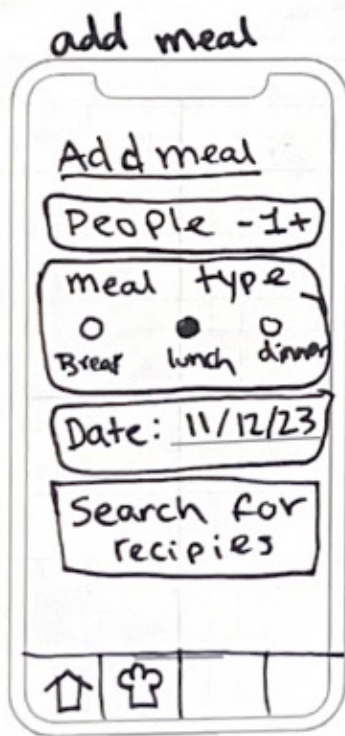
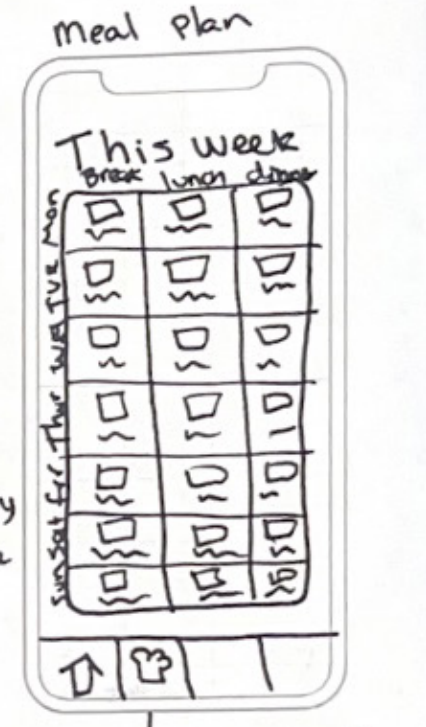
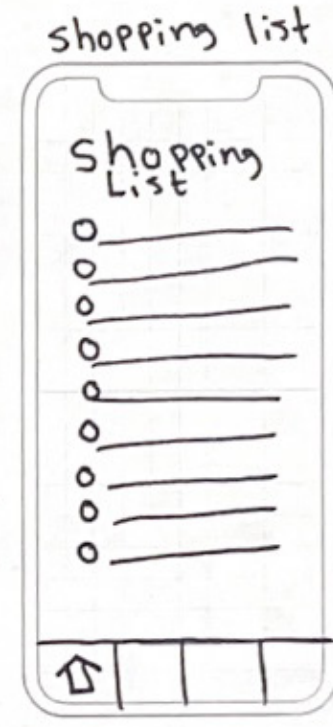
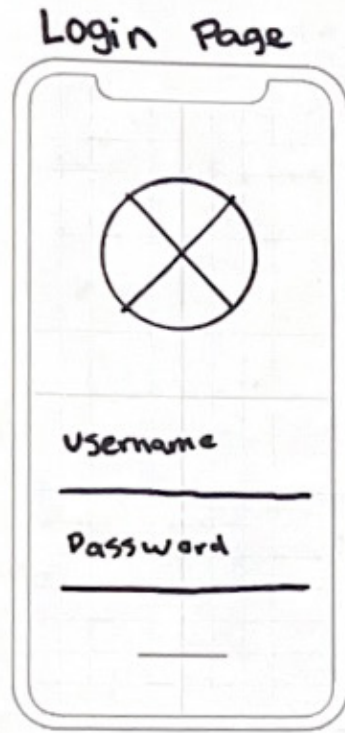




03

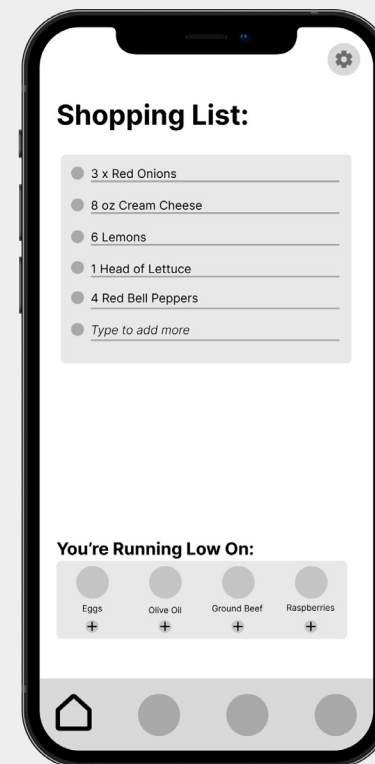
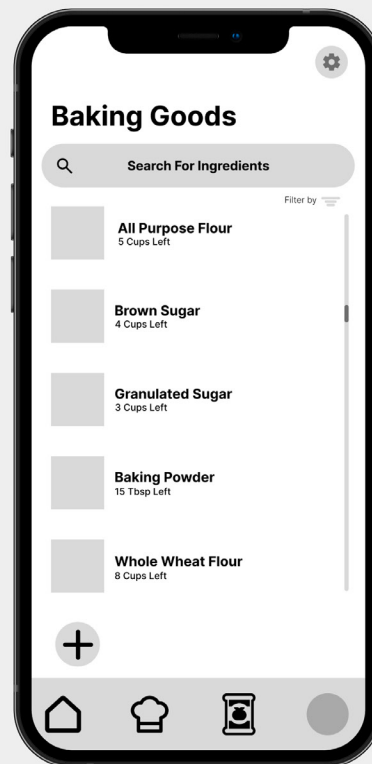
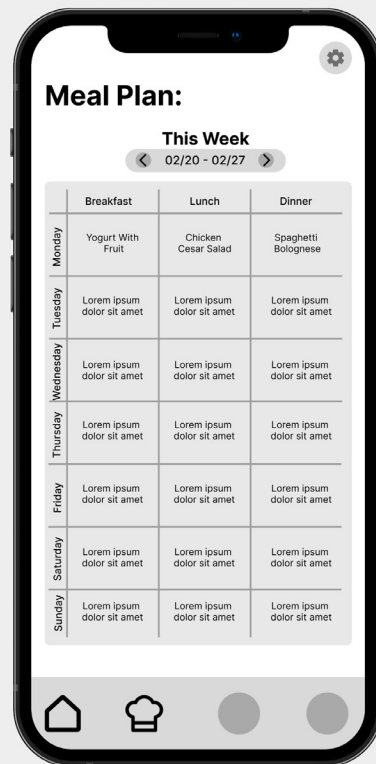
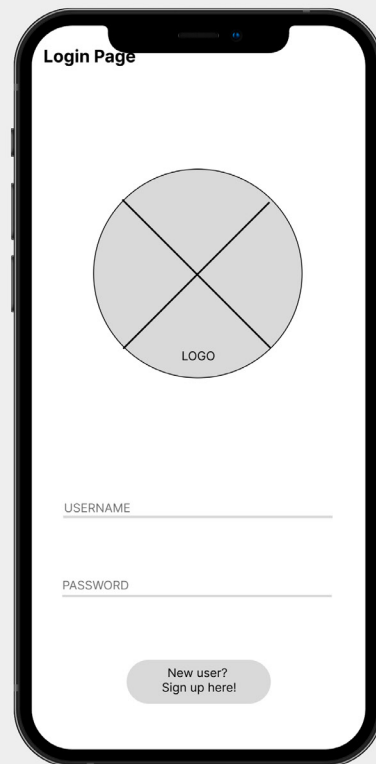
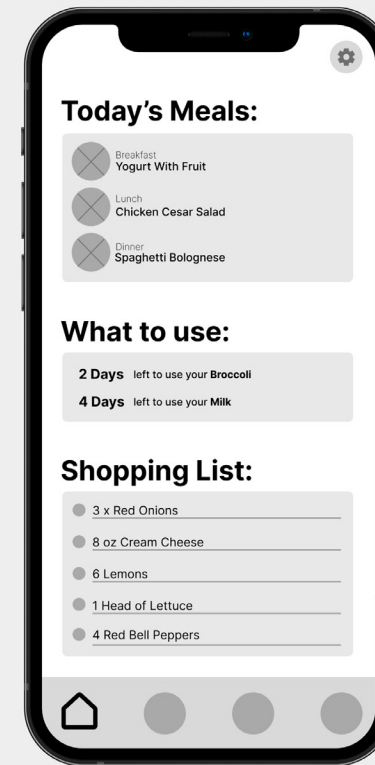
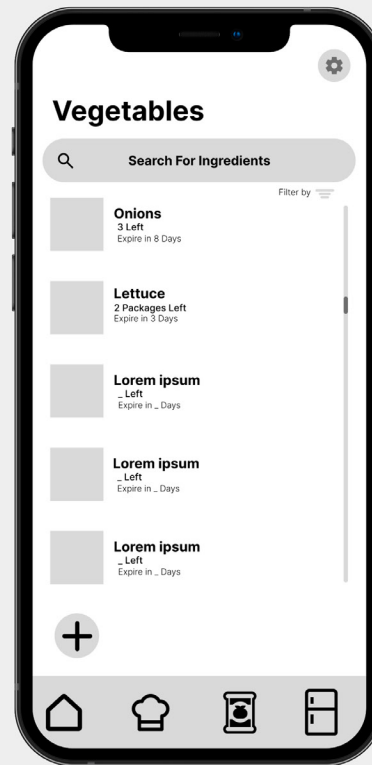
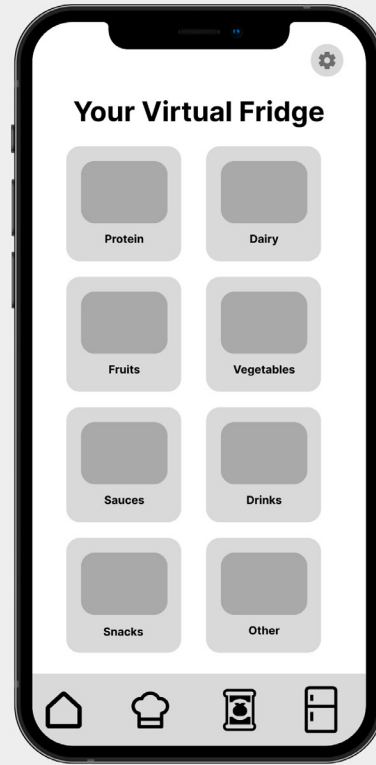
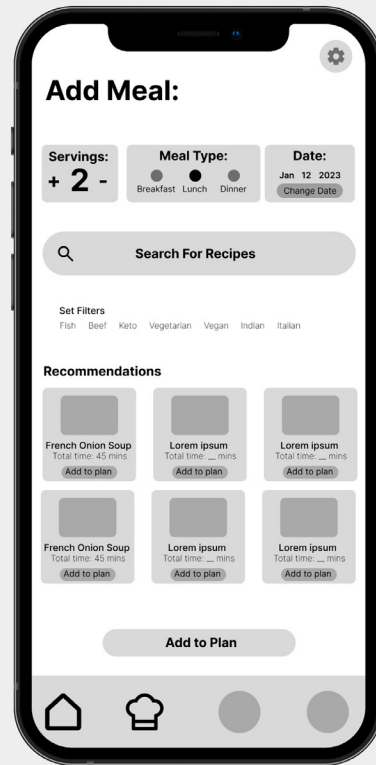
App

# Layout Ideation






# Grey-scale Wire-frames




# First Color Wire-frames



< 

## Today's Breakfast:



Yogurt With Fruit

**Ingredients:**

1/2 cup fresh or defrosted frozen strawberries





1/2 cup fresh raspberries


1 cup vanilla yogurt

1/4 cup granola


**Directions:**


Layer vanilla yogurt into the bottom of tall glass. Combine defrosted strawberries and juice with fresh berries. Alternate layers of fruit and granola with yogurt until glass is filled to the top. Serve immediately to keep granola crunchy


   



## Today's Meals:

 Breakfast  
Yogurt With Fruit

 Lunch  
Chicken Cesar Salad

 Dinner  
Spaghetti Bolognese





## What to use:


**2 Days** left to use your Broccoli

**4 Days** left to use your Milk






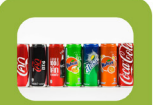


## Shopping List:





- 3 x Red Onions
- 8 oz Cream Cheese
- 6 Lemons
- 1 Head of Lettuce
- 4 Red Bell Peppers


   





## Your Virtual Fridge






 Protein	 Dairy
 Fruits	 Vegetables
 Sauces	 Drinks
 Snacks	 Other


   








## Vegetables

 Search For Ingredients Filter by 



-  **Onions**  
3 Left  
Expire in 8 Days
-  **Lettuce**  
2 Packages Left  
Expire in 3 Days
-  **Eggplant**  
2 Left  
Expire in 8 Days
-  **Cucumber**  
1 Left  
Expire in 6 Days
-  **Broccoli**  
3 Left  
Expire in 6 Days









   







## Baking Goods

 Search For Ingredients Filter by 

-  **All Purpose Flour**  
5 Cups Left
-  **Brown Sugar**  
4 Cups Left
-  **Granulated Sugar**  
3 Cups Left
-  **Baking Powder**  
15 Tbsp Left
-  **Whole Wheat Flour**  
8 Cups Left





## All Purpose Flour

Expires on 11/12/2023



Use  
**+ 2 -**  
Cups

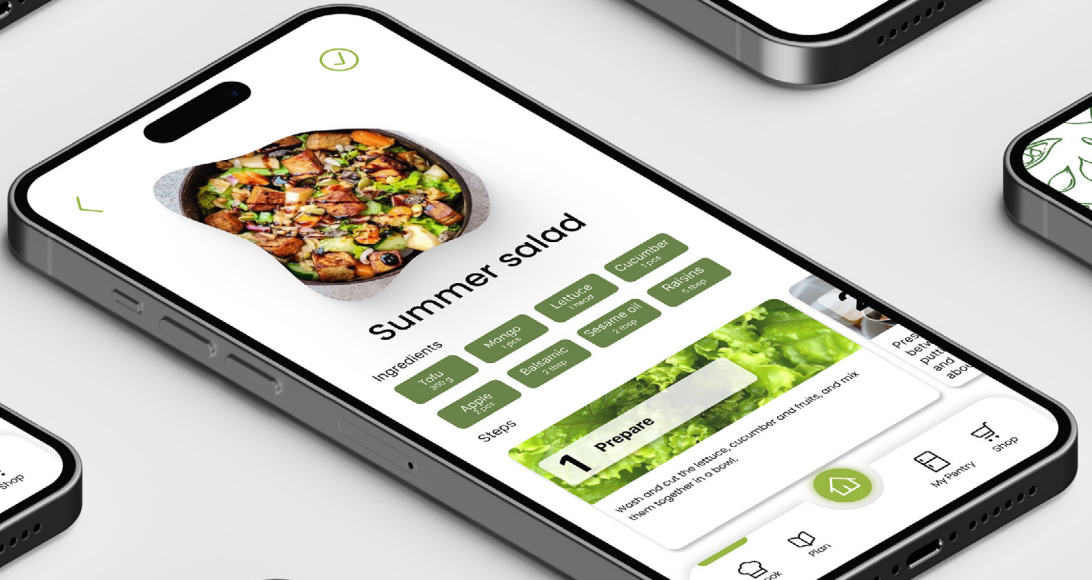
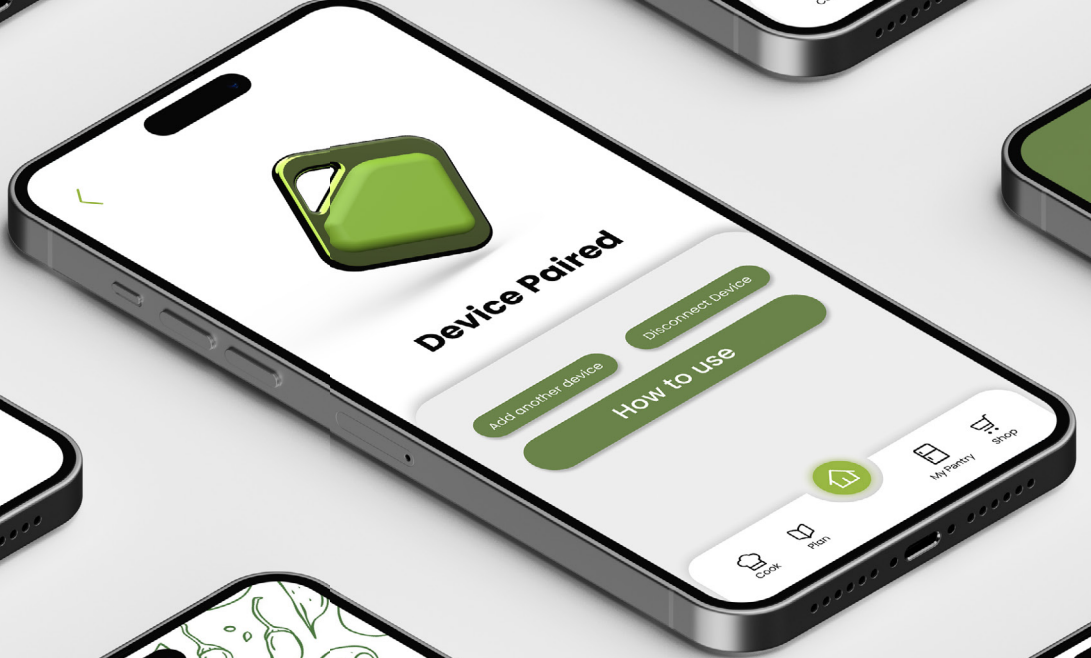
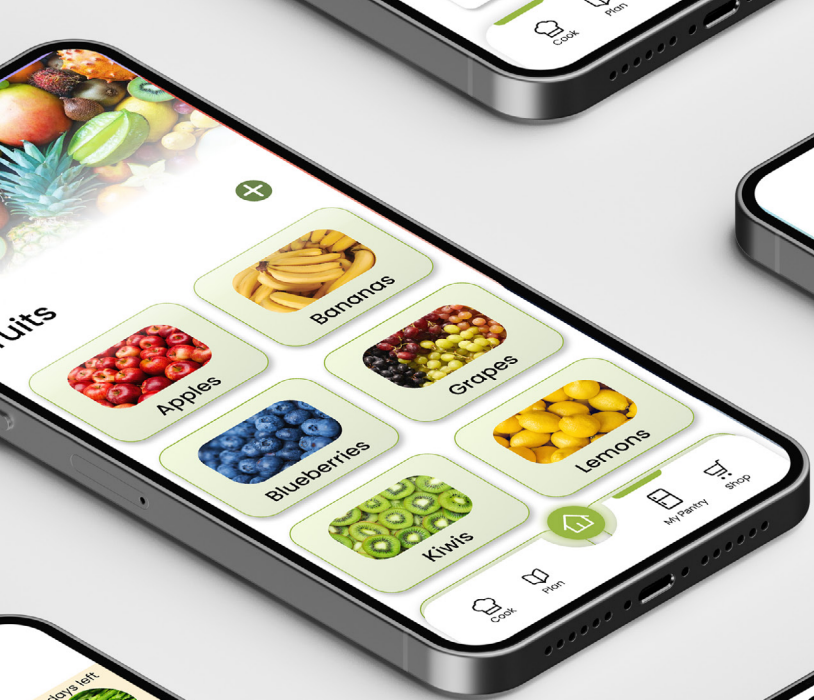
**3** Cups remain



Add to Grocery List







# Figma Prototyping

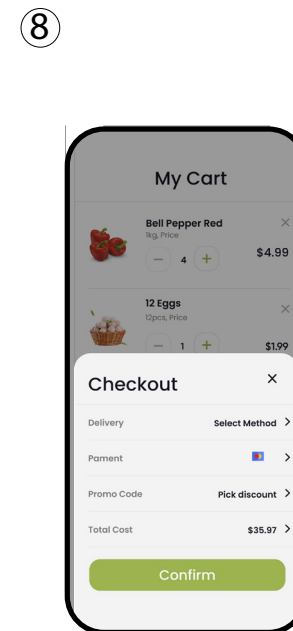
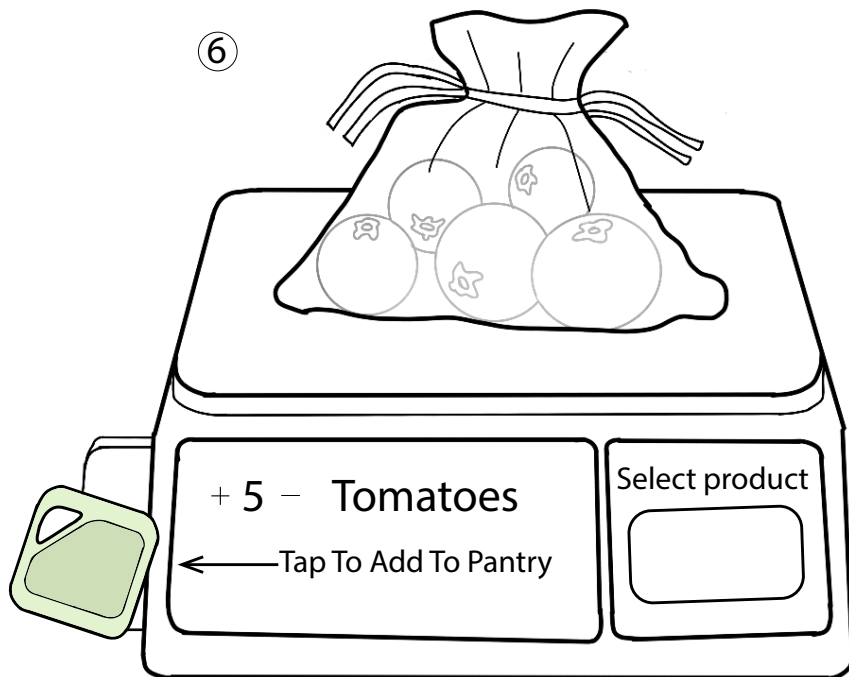
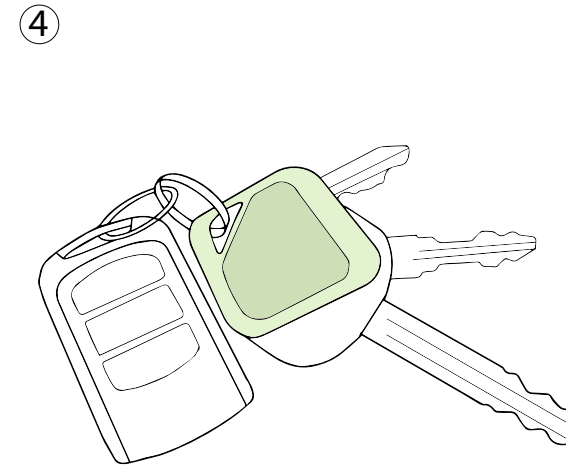
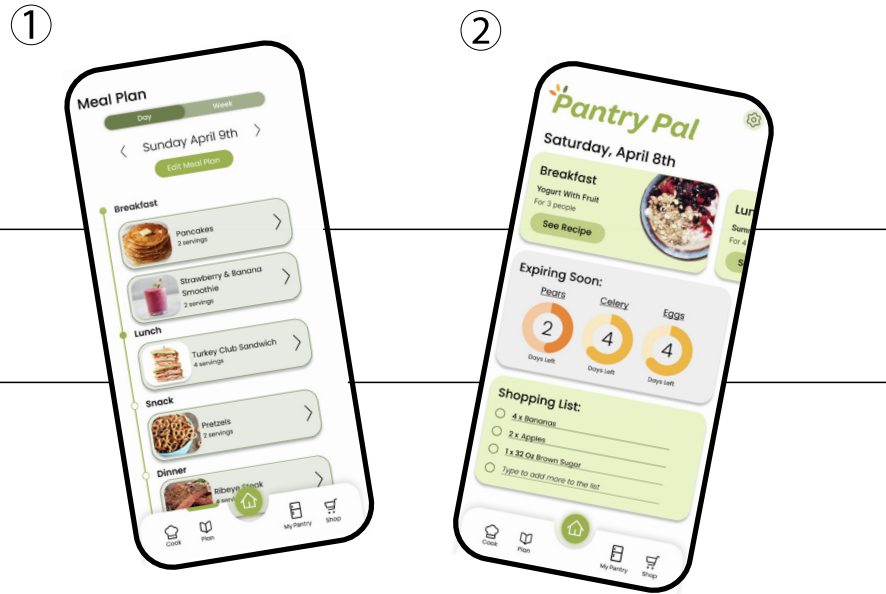




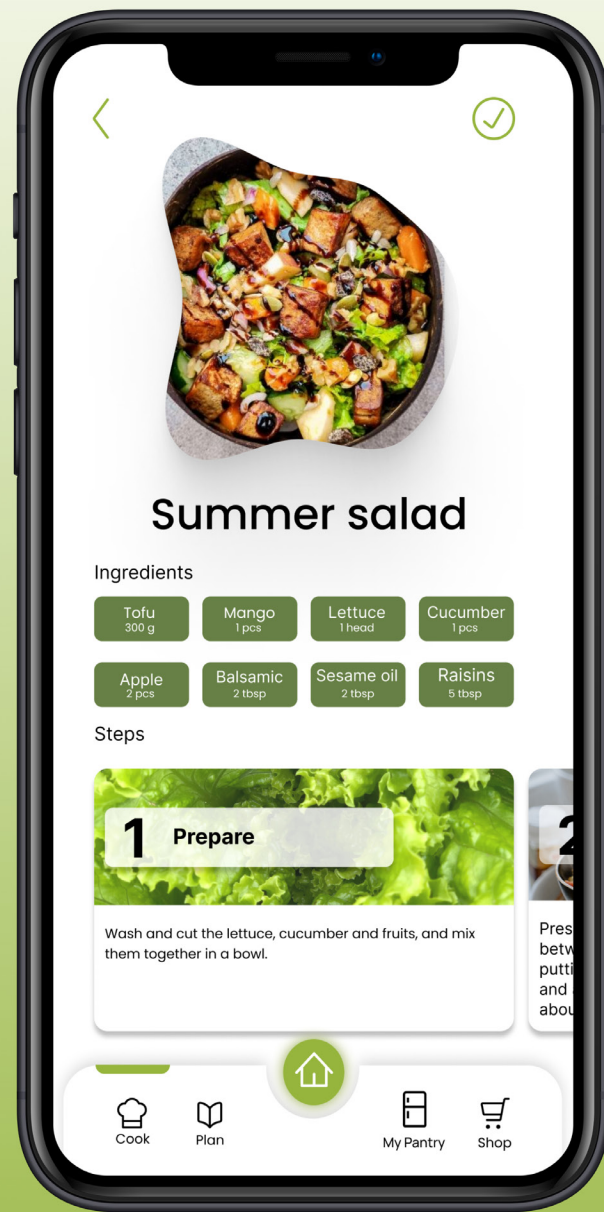
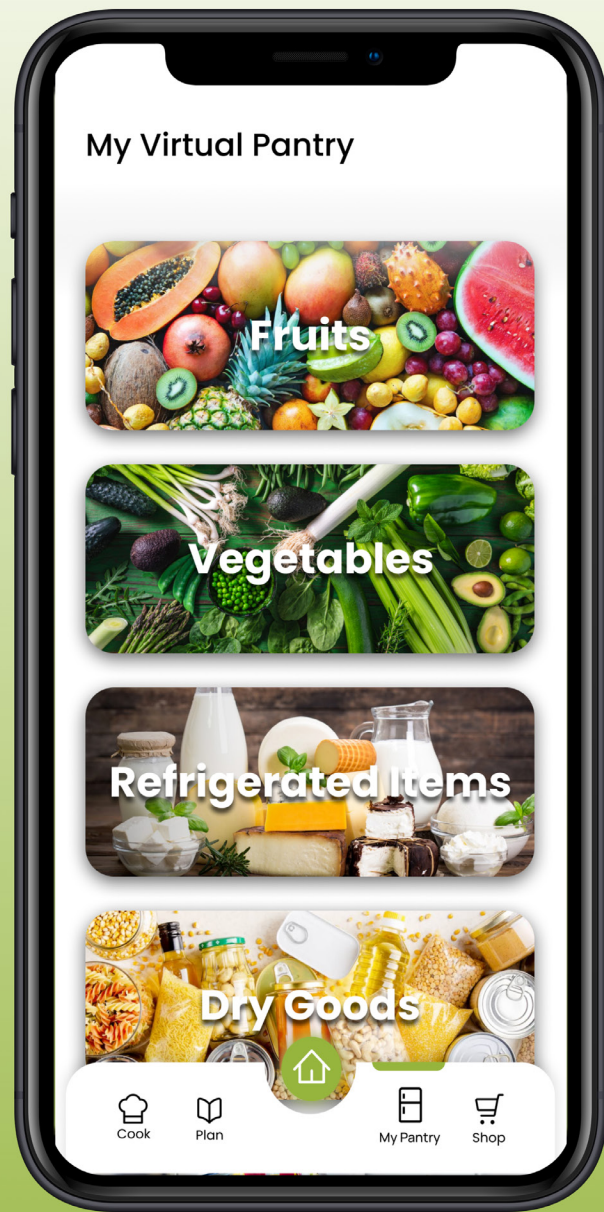
04

**System**

# Storyboard







# Pantry Pal

A smart grocery shopping device with a companion app aimed at helping reduce food waste.

