MyPantry

Emily Thomas
Dominick Ferro
Kwame Williams

Table of contents

01 **Introduction**

Problem Statement and Solution - Objective - Target Audience

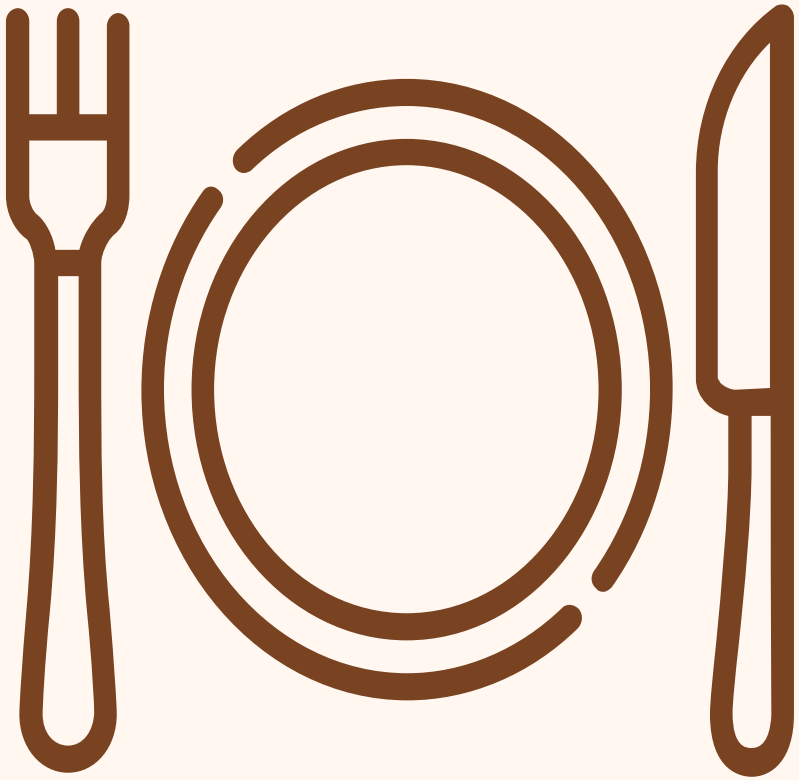
02 **State of the Art**

My Pantry Tracker - Out of Milk

03 **App Overview**

Inventory Management - Item Creation - Grocery List - Meal Suggestion

04 **Bonus**



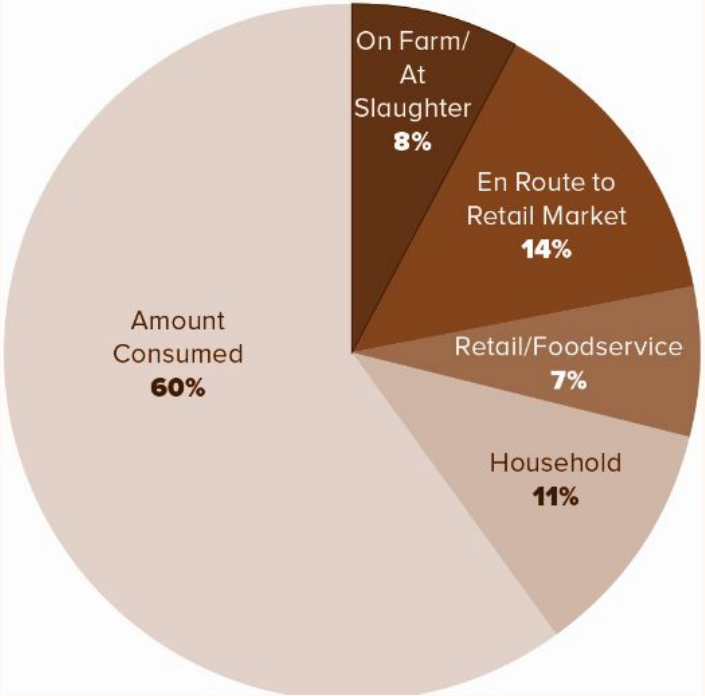
01

Introduction

“Welcome to the Pantry”

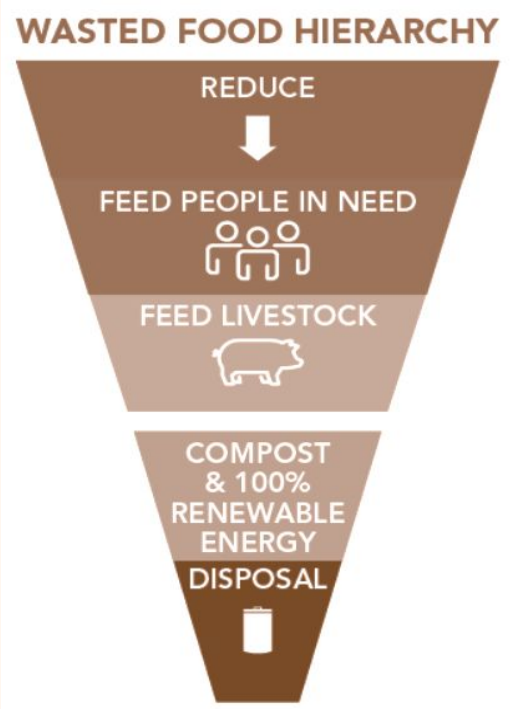
Problem Statement

Food waste is a serious problem that affects millions of people around the world. According to the UN, ⅓ of all food produced in the world is wasted every year.



The Solution

This is why My Pantry app was created. We aim to provide a solution that not only reduces food waste but also saves users money long term by allowing them to track food and perishable items' expiration dates easily and efficiently.



Context

Objective:

To provide user-friendly a user-friendly app that can help reduce food waste and and save users money.

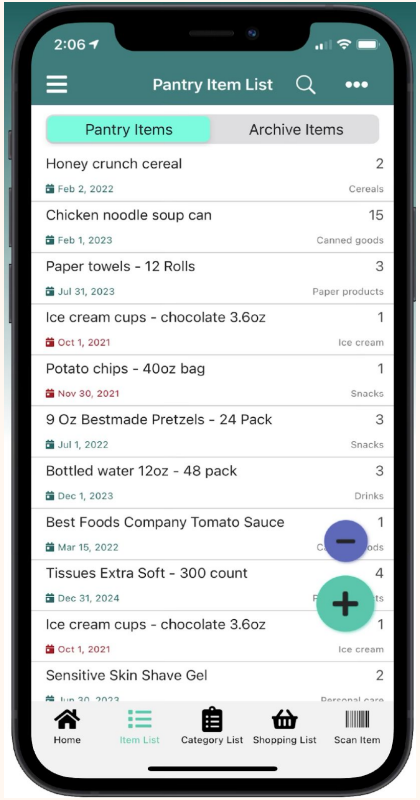
Target Audience:

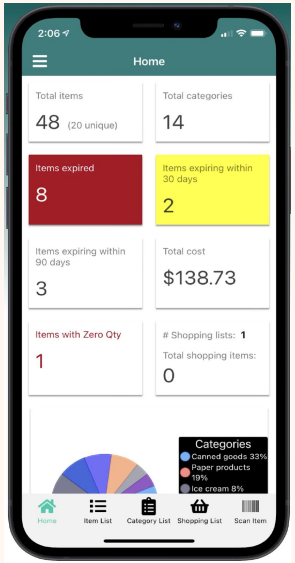
People who want to reduce their food waste and save money.

02

State of the Art

“What is the competition?”





My Pantry Tracker

State of the Art

'My Pantry Tracker'

Description and Purpose

This application works as a pantry inventory app, with the ability to add and remove items in the list that are in your pantry (Each item having a quantity and expiration date).

The user can also add items to a grocery list with an 'add button' or a scan feature, allowing the user to scan the barcode of an item.

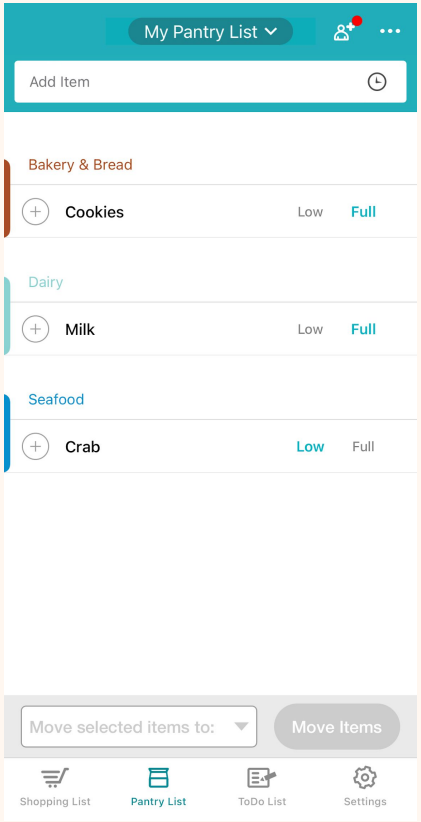
State of the Art

'My Pantry Tracker'

Strengths and Weaknesses

This app is user friendly, showing all necessary details up front. The scanner is also a useful feature for the user to save time.

Some issues with the app however is the fact that the buttons are in odd places and the category list section is unnecessary. The archive items list is confusing and not easy to use.


My Pantry List
Add Item
Bakery & Bread
Cookies
Low
Full
Dairy
Milk
Low
Full
Seafood
Crab
Low
Full
Move selected items to:
Move Items
Shopping List
Pantry List
ToDo List
Settings

Out of Milk

State of the Art

'Out of Milk'

Description and Purpose

This app helps users create and organize their shopping lists, allowing you to even share them with friends and family.

The stand out feature of this particular app is being able to track all items on hand while setting reminders to let you know when certain food items are running low.

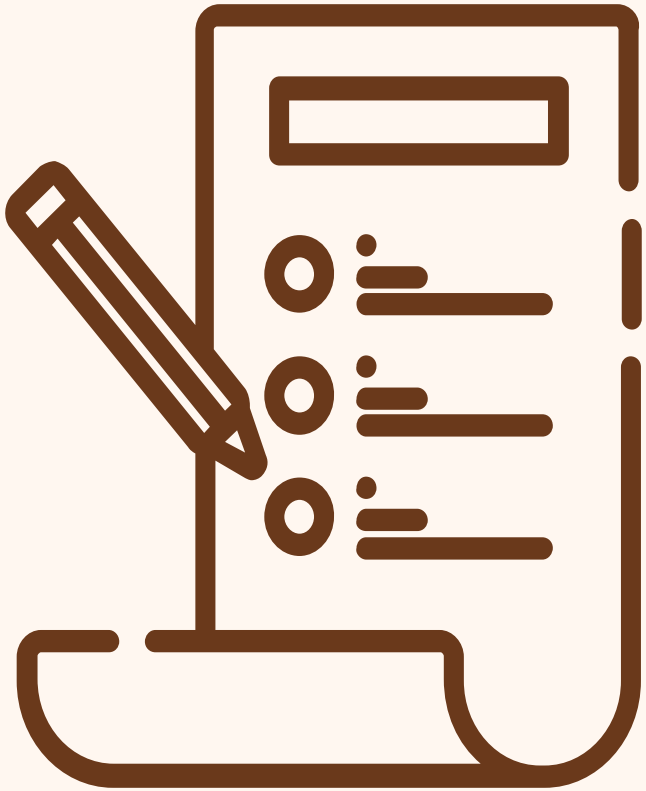
State of the Art

'Out of Milk'

Strengths and Weaknesses

'Out of Milk' has a user-friendly interface and a comprehensive grocery list functionality. It also includes meal planning and recipes with features to organize your recipes using a database.

While the app is free with ads, certain features do require a paid version. 'Out of Milk' does not offer barcode scanning like some other grocery list applications.

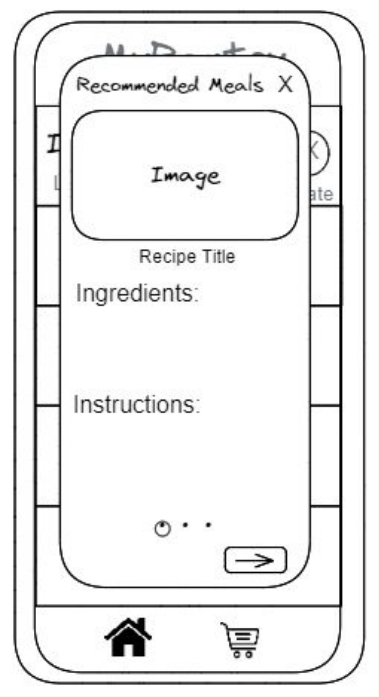


03

App Overview

“What can it even do?”

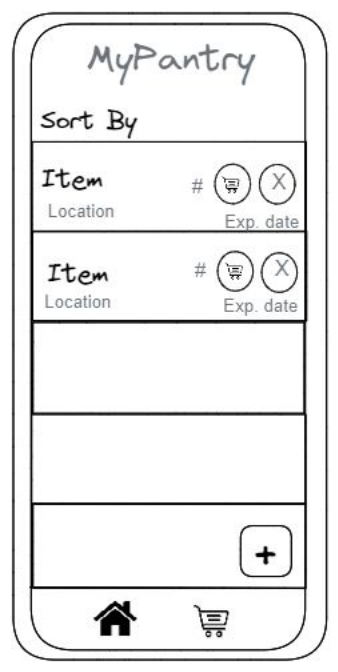
Feature #1: Meal Suggestions



The very first thing to open when the app is opened is this menu for meal suggestions.

Every time they launch the app the user will be shown a recipe as a fragment that includes an image, a recipe title, ingredients and instructions.

Feature #2: Inventory Management



The application will open first to this screen, the pantry list.

Items in the user's pantry will be shown in scrolling recyclerview, each item will have unique properties:

- item name
- expiration date
- unique ID
- location
- Item quantity

The user will also have the ability to:

- Add or remove an item to or from the pantry
- Add any pantry item to their grocery list in singular quantity
- Sort the pantry list

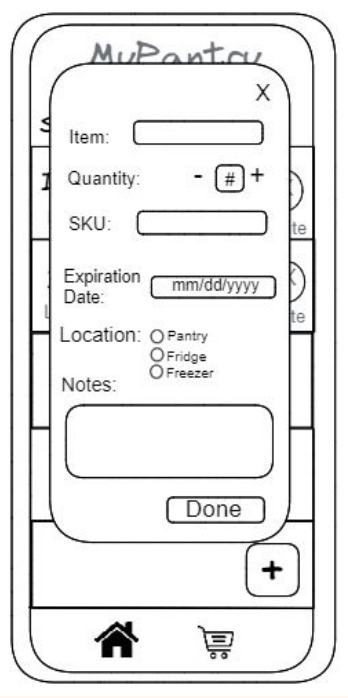
Feature #2.2: Item Creation

After selecting the floating action button on the pantry list screen, users will be able to create a new pantry item with the following data:

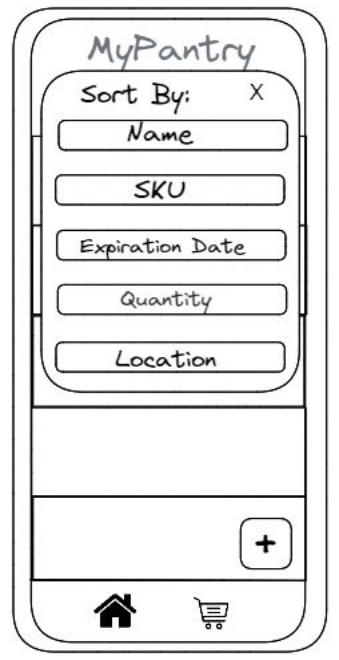
- Item name
- Quantity
- Unique item ID
- Expiration date
- Pantry location
- Any notes

Once the data is filled in the user presses the done button and the item is added to the recyclerview on the pantry list view.

The user can also cancel the item creation by selecting the x button on the top of the interface.



Feature #2.3: Inventory Sort



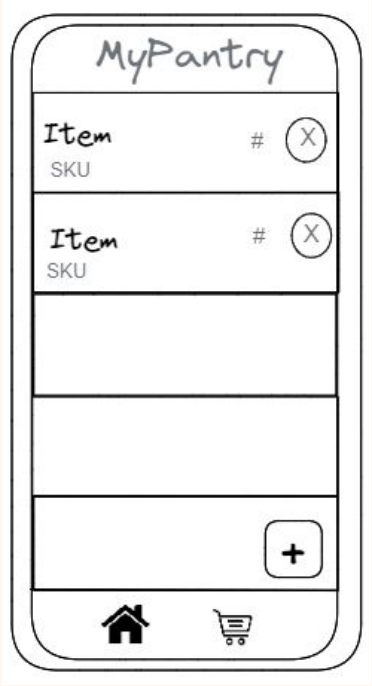
After selecting the sort by button on the pantry list screen, users will be able to select a way to sort the pantry list items, the options being:

- Item name
- Unique item ID
- Expiration date
- Quantity
- Pantry location

Once the user has selected the way they want to sort, they will be brought back to the pantry list, with the list sorted by the way the user chose.

The user can also cancel the sort selection by pressing the x button on the top of the interface.

Feature #3: Grocery List



When the user selected the grocery cart on the bottom of their screen they will be brought to the grocery list, which contains items with the following data:

- item name
- unique ID
- Item quantity

The user will also have the ability to:

- Add or remove an item to or from the grocery list

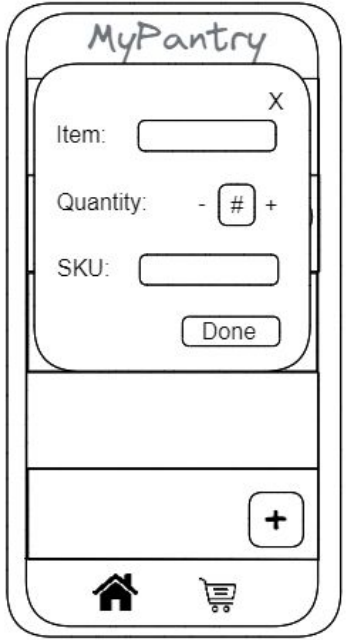
Feature #3.2: Grocery Item Creation

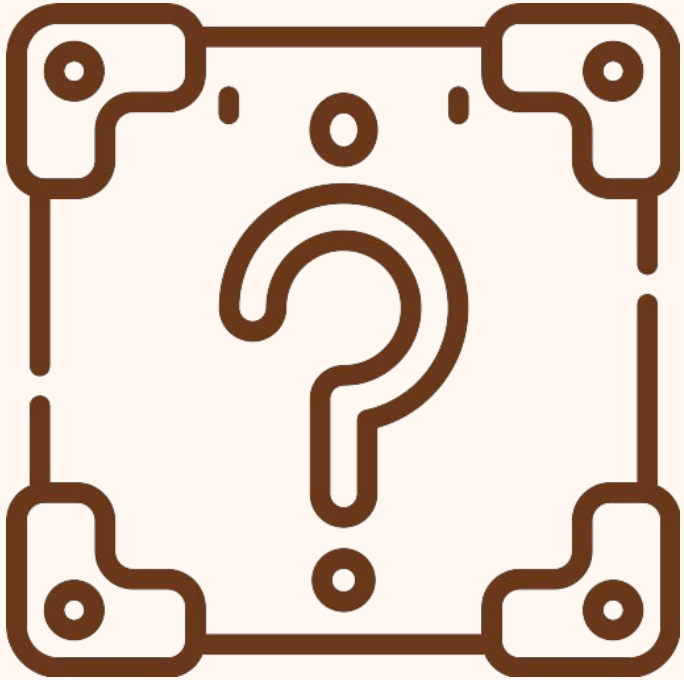
After selecting the floating action button on the grocery list screen, users will be able to create a new grocery item with the following data:

- Item name
- Quantity
- Unique item ID

Once the data is filled in the user presses the done button and the item is added to the recyclerview on the grocery list view.

The user can also cancel the item creation by selecting the x button on the top of the interface.





04

Bonus

“What could it be?”

Recipe 01

German Pancake

A large fluffy egg-like pancake

15 minutes	4 portions	Easy

Ingredients			
4	Eggs	1 cup	Milk
1/4 tsp	Salt		Butter
1 cup	Flour		Powdered Sugar

Recipe 01 - Instructions

German Pancake

A large fluffy egg-like pancake

15 minutes	4 portions	Easy

Instructions			
425	Preheat Oven	15-20m	Bake
Combine	Eggs, Salt, Flour & Milk		Sprinkle Powdered Sugar
	Butter the Pan	Add	Fruit or Whipped Cream as Desired

Questions?