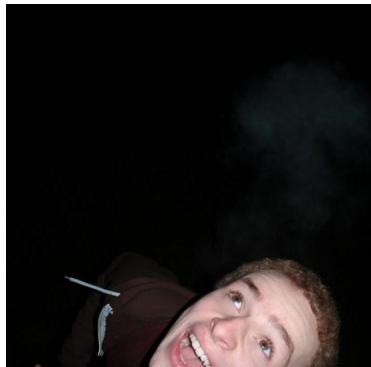


fridgit



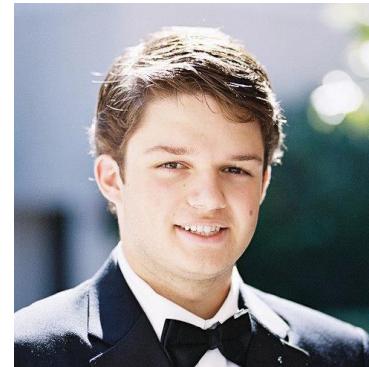
THE TEAM



Nick Holden
Fridge Enthusiast



Brian Hoang
Security Guard



Colin Miller
Developer



Francis Nguyen
Product Manager

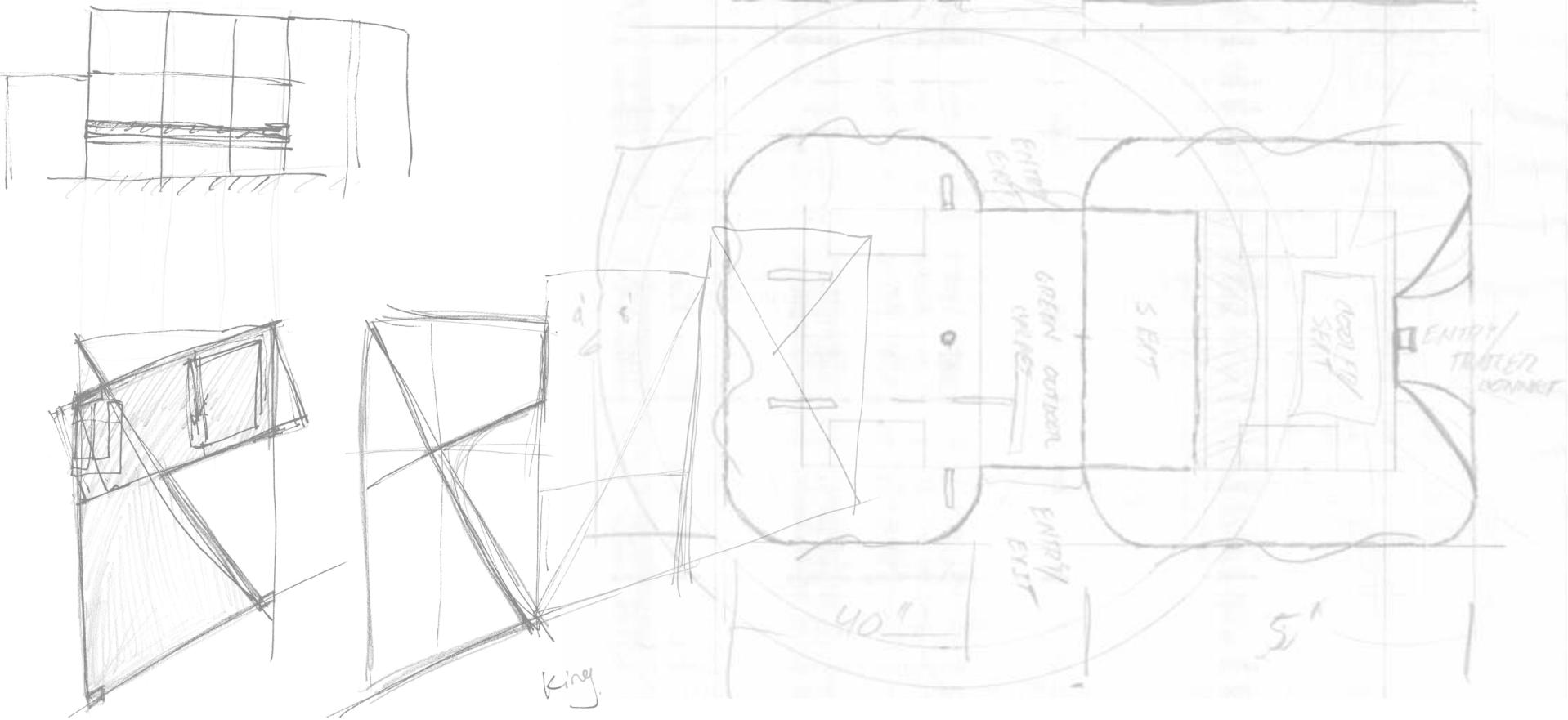


THE PROBLEM

Americans waste 25% of their food.

- Letting a slice of bread spoil is equivalent to letting a water tap run for five minutes.
- Annually, this waste costs a consumer around \$1,350 - \$2,275.
- Environmental implications in the form of runoff, CO₂ emissions.



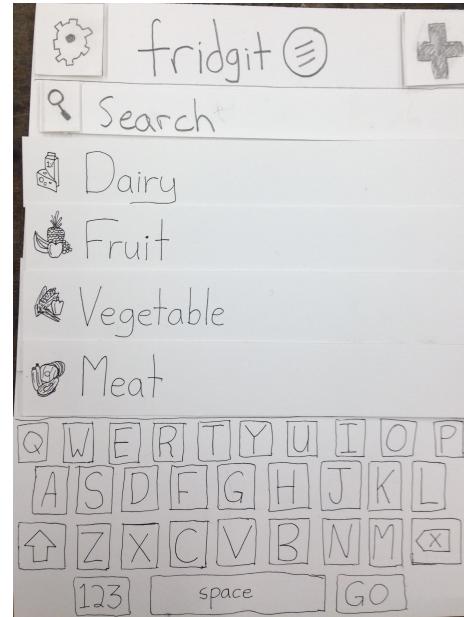


Initial Paper Prototype

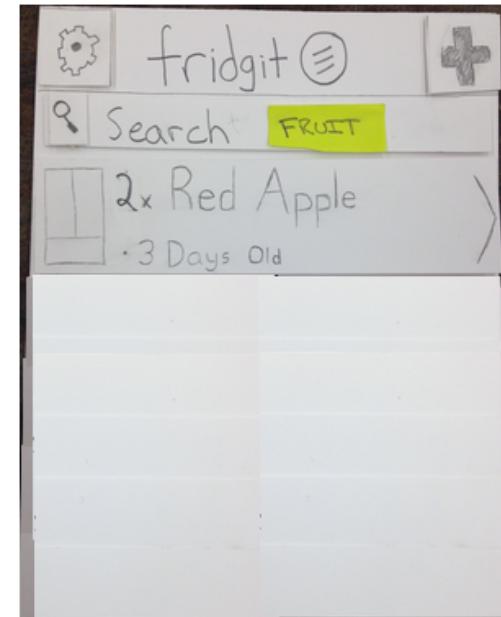
Task 1: Checking the Food Inventory



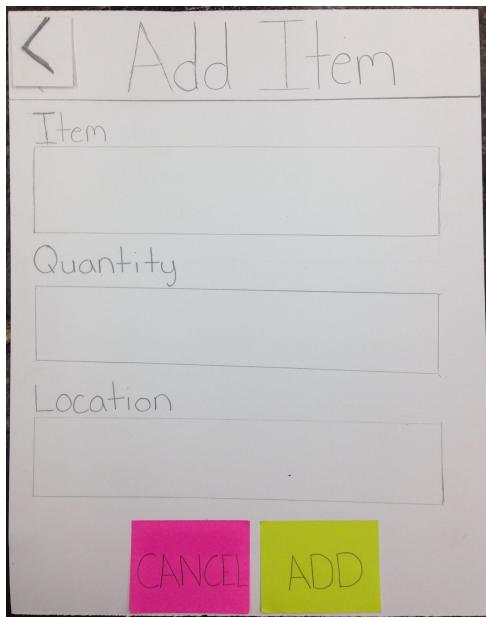
Home screen of User's food inventory



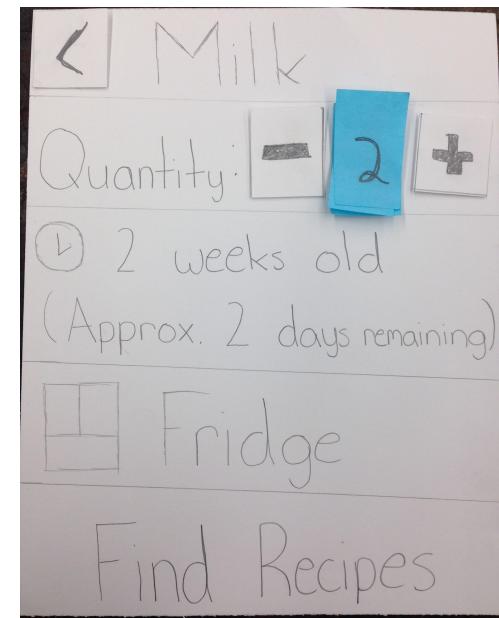
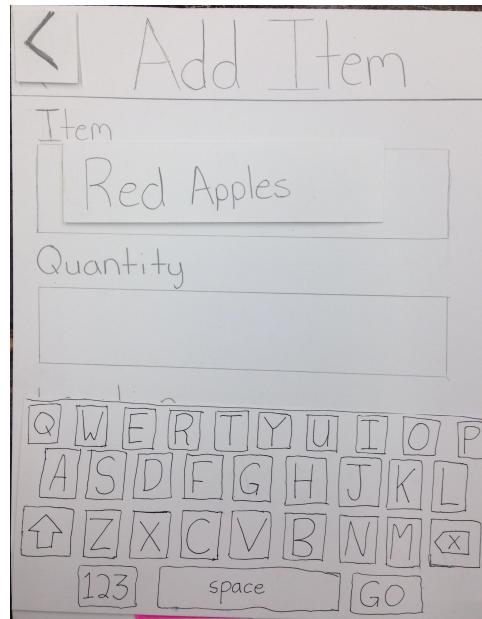
Predefined food categories for easy access in searching



Task 2: Add and Remove Items



Ability to add and remove items manually for users



Users have ability to look up more information about a particular food



Testing

Overview & Results

PROCESS

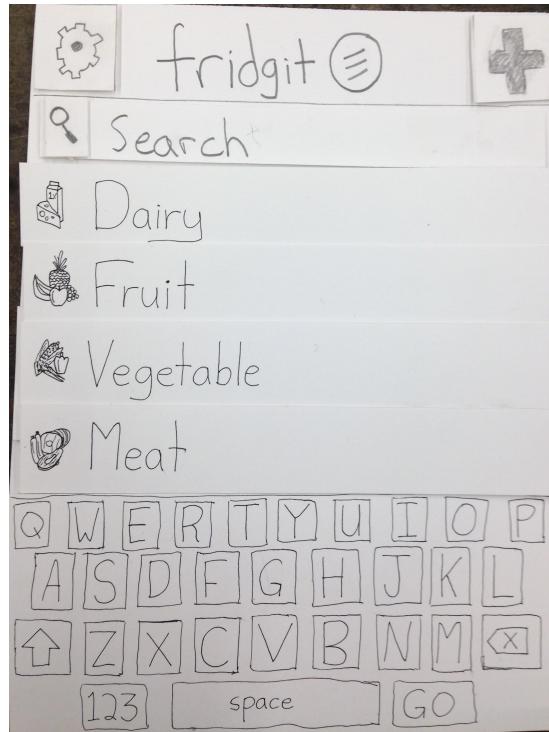
- 2 at participant's home, 1 at the CSE labs
- Brief introduction
- Approaches
 - Talk-aloud
 - Perform basic tasks with feedback
 - Play around with the interface by themselves
- Feedback



HEURISTIC EVALUATIONS



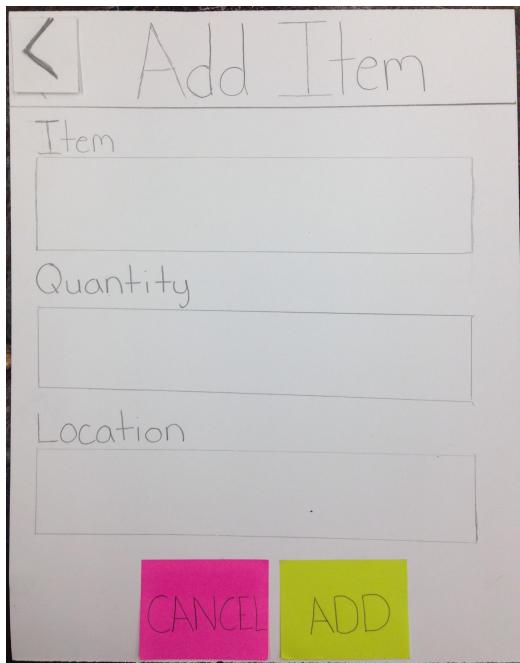
Delete item functionality hard to find



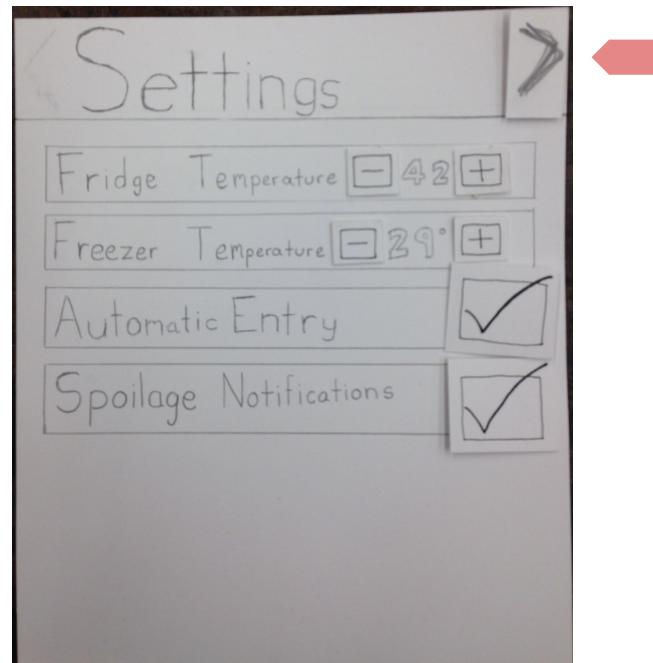
No way to clear search



USABILITY TESTS



Participants wanted to add expiration date on item



Back button placement doesn't make sense



Final Paper Prototype

ADD ITEM & ITEM INFO

← Add Item

Item
Red Apples

Quantity
2

Location
fridge

Age

CANCEL ADD

← Milk DELETE

Quantity: - 1 +

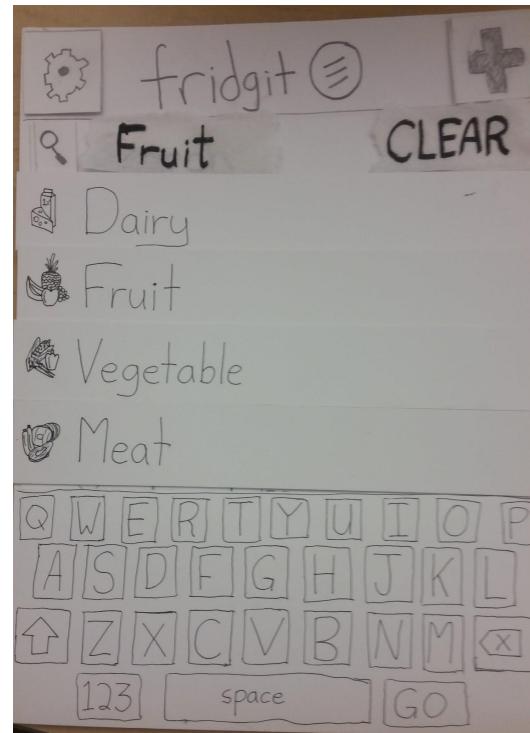
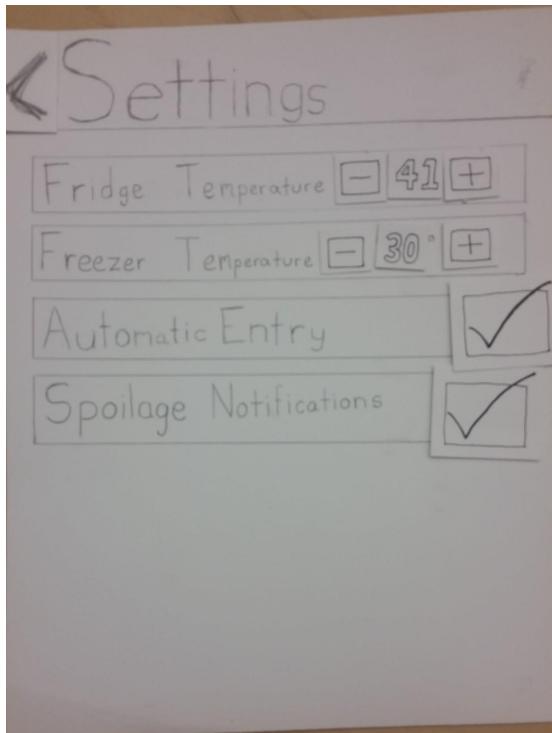
⌚ 2 weeks old
(Approx. 2 days remaining)

Fridge

Find Recipes



SETTINGS & SEARCH



Digital Mockup

OVERVIEW

The Home screen displays a list of items in the refrigerator. Each item has a small icon, a name, and an age indicator.

- Vanilla Ice Cream: 5 Months Old
- Milk: 2 Weeks Old
- 4 x Pears: 10 Days Old
- 2 x Red Apples: 2 Days Old

Home

The Item Info screen shows details for a single item: Red Apples. It includes fields for Quantity, Location, and a Delete button.

Red Apples

Quantity: 2

Location: Fridge

Delete

Item Info

The Add Item screen allows users to input new items. It has fields for Item, Quantity, Location, Age, and buttons for Cancel and Add.

Add Item

Item

Quantity

Location

Age

Cancel

Add

Add Item

The Settings screen contains options for temperature control, automatic entry, and spoilage notifications.

Settings

Fridge Temperature: 42

Freezer Temperature: 29

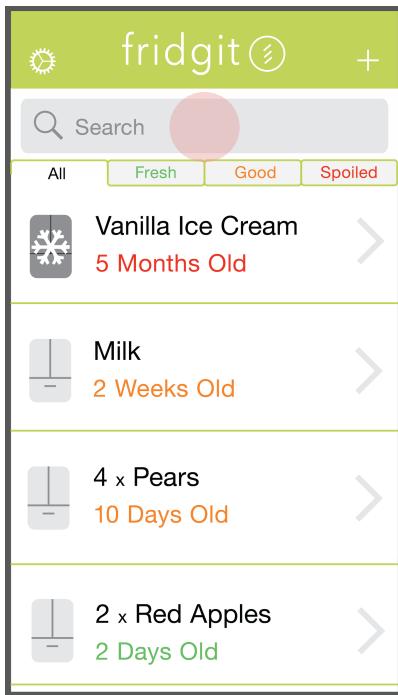
Automatic Entry

Spoilage Notifications

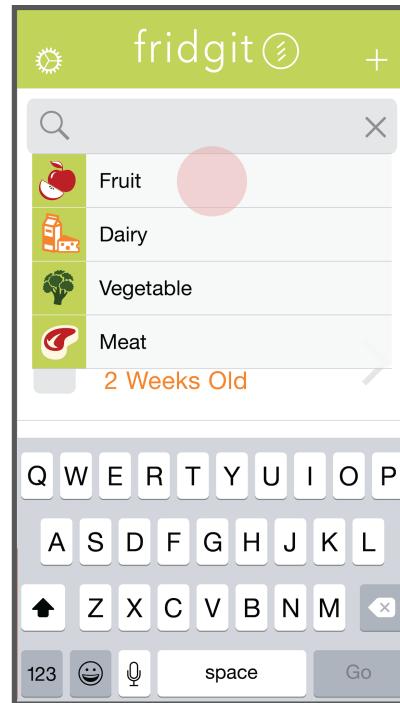
Settings



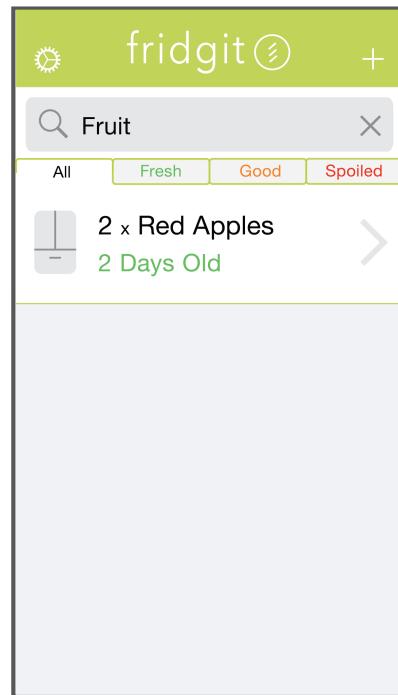
CHECKING INVENTORY



Home



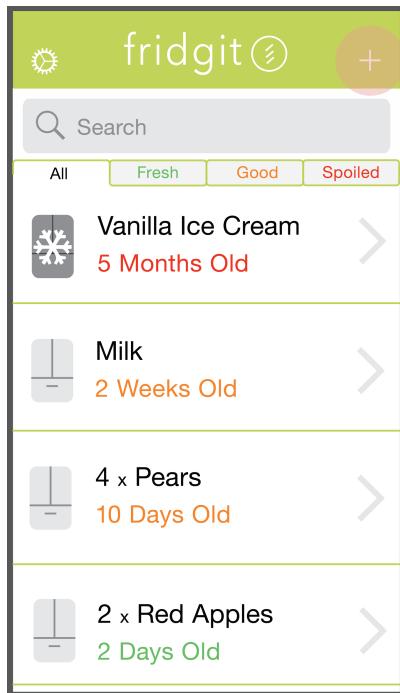
Search categories



Filtered Results



ADDING & REMOVING ITEMS



Home

The Empty Item screen shows fields for adding a new item:

- Item: (empty field)
- Quantity: (empty field)
- Location: (empty field)
- Age: (empty field)

At the bottom are "Cancel" and "Add" buttons. A red circle highlights the "Add" button.

Empty Item

The Item ready to be added screen shows the following data:

- Item: Cheese
- Quantity: 3
- Location: Fridge
- Age: 1 Day Old

At the bottom are "Cancel" and "Add" buttons. A red circle highlights the "Add" button.

Item ready to be added



SUMMARY

- Iteration led to a more matured design
- Usability tests showed us points of user confusion
- Feedback provided us with different perspectives



Questions?