SMARTSHELF

Stock Management Made Easy.

PROBLEM

- Inventory tracking is a hassle for all food retailers
- Manual book keeping is currently the most common system

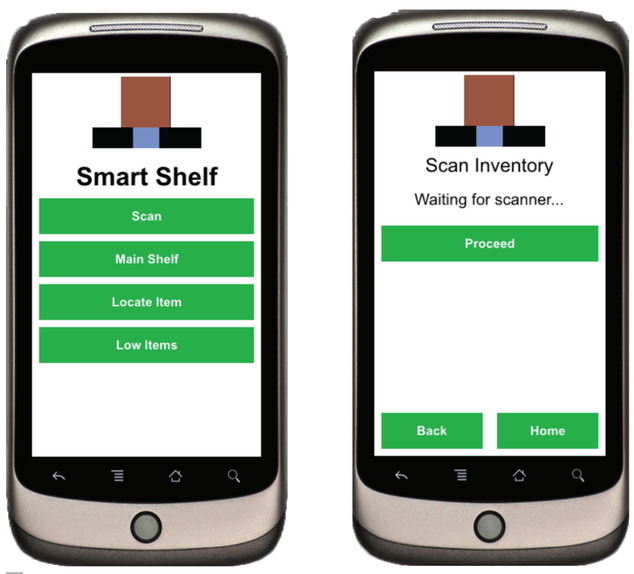
TARGET

- All food retailers
- Including, but not limited to, restaurants, cafes, and groceries

SOLUTION

- A companion application that assists with inventory management
- Connected to a bluetooth scanner and pressure-sensored shelves

DESIGN EVOLUTION



Our initial interations **focused on functionality**. In fact, we didn't focus on UI at all. After having managed to simulate a **handheld bluetooth scanner**; a hardware, **pressure-sensored shelf**; and a **companion app**, we began to focus on our designs.

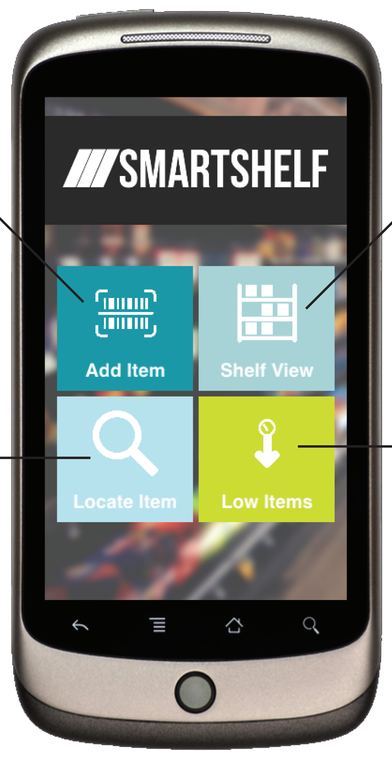
Representative Tasks:

1. Add Stock to Shelf
2. Locate Items on Shelf
3. Detect Low Items

FINAL PROTOTYPE

ADD ITEM:
Users can scan items with a bluetooth scanner, which automatically inputs data about type and weight. The shelf will then provide information about location.

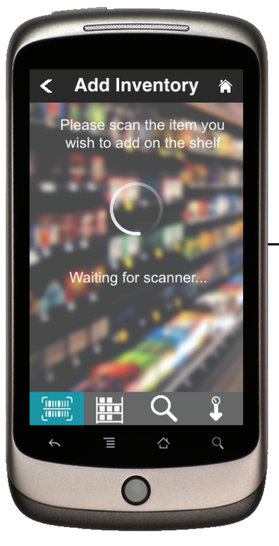
LOCATE ITEM:
Users can locate where on the shelf they placed specific stock items, which will be highlighted on the shelf view.



SHELF VIEW:
Users can see a visual of the placements of each item, as well as an LED light that indicates total amount left.

LOW ITEMS:
Users can get a list view of all of the items that are at a low count.

WORKFLOW



Tap Add Item

Scan Your Item

Add Item to Shelf

Tap Locate Item

Observe Highlighted Location

FUTURE ADDITIONS

1. SHOPPING CART FEATURE
2. STOCK ITEM EDIT FEATURE
3. SCALABILITY OF SHELVES