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IMAGINE IOT
PROTOTYPE CHALLENGE

HAPPY FAMILY
SMART FOOD CONTAINERS

PROTOTYPE SUBMISSION
This document is a prototype submission for the Happy Family Smart Food Container project.
In most households today both parents are busy with full time jobs, and the kids are busy with school work and plenty of after school activities. Providing healthy snacks after school to kids has become an increasingly difficult task. Even for those families that plan ahead, it isn’t always easy to get the kids on board.

As any parent knows, teenagers are barely able to locate their own sneakers only moments after removing them. Trying to get them to find a container of leftovers in the refrigerator is almost impossible. This is especially true when those refrigerators are filled with a week’s worth of food, which is a requirement for those busy families that can only shop once a week.

Parents need a method for keeping track of those leftovers that are available in the refrigerator, how long they have been available, and a way to alert their kids to where these containers are located. All of this needs to be able to be monitored and controlled remotely from wherever the parent’s job has them working.
Persona

Sarah Lee

The Mom

“I try to provide healthy snacks for my kids, but there just isn’t an easy way to make sure when I am at work…”

About

- 45, married, 3 teenage boys, CFO for an investment company
- Tries very hard to balance 50 hour work weeks with family duties, including nightly family dinners
- Work with the kids to try and provide healthy snacks to hold them over until dinner time.

Responsibilities

- Primarily responsible for meals and snacks for the whole family
- Determines meal plan for the week
- Calculates so there are enough leftovers for lunches and snacks
- Provides healthy options to the kids

Main Goals

- Balance my work life and family life
- Provide healthy food options for my kids
- Reduce purchased snack costs

Needs

- Need to know the age of each container
- Need to make it easy to find leftovers in the refrigerator
- Need to know when containers are being accessed

Pain Points

- Don’t know which meals the kids really like
- Can’t keep track of how long leftovers stay in the refrigerator
- The refrigerator is normally full and it is hard to find things in it
Point of View

As a working Mother with 3 teenage boys

I need a way to provide healthy snacks for my kids to eat after school

so that my kids can remain healthy and we can lower our overall “snack” food bill
## UX Journey

<table>
<thead>
<tr>
<th>ACTIONS</th>
<th>MINDSET</th>
<th>FEELING</th>
<th>TOUCH POINTS</th>
</tr>
</thead>
</table>
| - Prepares Meal plan  
  - Creates a shopping list  
  - Buys food for the week | - "I think everyone will like these meals"  
  - "Home cooking is always healthier for growing boys"  
  - "I need to make extra so the kids have leftovers"  
  - "I better put them in the front so they can find them" | 😞 | - Meal Menu  
  - Food in refrigerator |  
  - Leftovers in containers  
  - Containers in refrigerator  
  - Teenage Son |
| - Cooks meals  
  - Places leftovers in refrigerator | - "Not again..."  
  - "We literally ate this yesterday. How can you not remember?"  
  - "The container is right in the front!" | 😞 | - Meal Menu  
  - Containers in refrigerator  
  - Teenage Son  
  - Containers in refrigerator  
  - Leftovers in refrigerator |
| - Receives call from kids that they are hungry | - "Did he even look in the refrigerator?" | 😞 |  
  - Containers in refrigerator  
  - Leftovers in containers |  
  - Teenage Son |
| - Explains what was for dinner  
  - Describes where to find it  
  - Hangs up phone | - "Why do I even bother?" | 😞 |  
  - Containers in refrigerator  
  - Leftovers in containers |
Solution: Happy Family Smart Containers

The Happy Family Smart Container system solves all of Sarah Lee’s problems. These containers incorporate multiple sensors including temperature, weight, and a chronometer which allow for real-time monitoring of the leftovers in her refrigerator. At a glance Sarah can see how many containers are being used, what their contents are based off of her meal plan, how long they have been in the refrigerator, and how much food is left in each container.
Prototype

By clicking on an individual container Sarah is able to see detailed information on that specific container. This additional data includes a rating entry, which is calculated from the number of days that the leftovers have remained in the refrigerator, and a link to the original recipe for this menu item. Additional, for those times when Sarah’s teenage boys have trouble locating a specific leftover container, there is a Light Up Container button, which will cause the lid of the container to flash for 60 seconds from the time the button is pushed.

Please feel free to view the working prototype at: https://standard.build.me/api/projects/6926a1d26e57b4530cc95490/prototype/snapshot/latest/index.html