

Success Measurement

After first interview

In response to the problems uncovered during this interview, I came up with an application called SmartScan. This application will be downloadable to Smart phones and will allow users to scan the PLU codes of their perishable items or enter the item manually, set an expiration date for each of them, and upload the information to a database. SmartScan would then be able to send out notifications to the user reminding them within two days of the set expiration dates to eat the food(s).

That there are limits as to what my design will provide in terms of addressing some of the above issues is not lost on me. For instance, SmartScan will not assist shoppers with how to store food and it will not help shoppers plan meals. It will not make their refrigerators work better and it will not reward children for eating their fruits and veggies. But here's what it *will* do. SmartScan will help shoppers remember to eat their perishable foods before they spoil, which will eliminate the forgetful component that often leads to cross contamination of spoiled food to good food. It will provide increased confidence to shoppers about purchasing fresh foods and encourage them to spend more time around the perimeter of grocery stores and less time in the middle aisles, which will promote better health. SmartScan will help in deciding whether to dine out or prepare a meal at home, which could also help with saving money. And most importantly, SmartScan will help to significantly reduce the amount of food waste, which will not only help users avoid the guilt that comes from throwing food away, but by extension, it will help to slow down climate change and improve the food shortage problem that I briefly mentioned at the beginning of this document.

Post testing of prototype 2.0

The following are the results of the tasks carried out during the interview – how many participants were able to successfully complete the tasks unassisted and without error. See appendix IV for all 5 recorded interviews.

1. User will download the app and create an account – 5/5
2. User will sign in to the app - 5/5
3. User will scan their groceries then assign expiration date – 5/5
4. User will upload grocery list - 3/5
5. User will manually enter items then assign expiration date – 3/5
6. User will upload grocery list – 3/5
7. User will view their stored lists – 5/5
8. User will sign out – 5/5

Based on these results, I believe that I was able to make the changes necessary to address and eliminate all of the above issues.