

Quarter Project Milestone 1 – Proposal

Project Description

Food freshness tracker for anyone who buys food.

Overview

Minimize food waste by providing users with an app that lets them track their purchased foods and their food's expiration dates. After buying their food, the user can add those grocery items to a list in the app. For each entry of the list, the user will input fields like:

- Product name
- Expiration date (for foods that have this)
- Custom Duration (for foods like fruit, or for foods to be kept in the freezer)
- Tag (to track certain types of foods such as meat, fruit, dairy, etc.)

Users will be notified as the expiration date draws closer; once finished with the item, the user can mark the food as finished in the app so the notifications stop.

Possible features to increase the scope of this project include:

- Smart Shopping List
 - Backtracks entries with those that have already been logged (so user don't buy duplicates)
- Shared Expiration List
 - People who use the same fridge can see what is already in there and choose which foods to get notifications for.

Technologies

For easy logging, I'd like to use barcode scanners or word recognition software that utilizes the camera.

External Data Sources

The USDA has a nice chart with some general guidelines of how long food should be stored on their website [fsis.usda.gov](https://www.fsis.usda.gov), but all they have for these guidelines is a chart.

External Code/Libraries

None come to mind

Past iOS Experience

I have been using an iPhone since the 3G, so I have expectations for the performance of the app. But I do not have any development experience outside of this class.