

Fridge Friend

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Project Goal

- Help users organize and easily visualize their groceries by using a UPC supplied database.
- Barcode scan their groceries as they unpack them, adding them to their current list with a single button press.
- Automatically add tags for food type and expiry, so users can easily sort their grocery list by what to eat (or throw away) next.

Project Features

- Scan food item barcodes from camera
- Fetch barcode UPC info using Computer Vision API
- Store UPC Items in a database
- Sort UPC Items by food category or expiration date

Member Tasks:

John

- Github management and weekly build
- Implement a backend to process barcode information
 - Utilize Google Computer Vision API and a custom search engine to retrieve product information
- Class Assignments:
 - NetworkUtilis
 - UPCItem
 - UPCItemLoader
 - ItemType

Member Tasks:

Alex

- Set up a SQL database to store and access scanned items
- Create an API structure (directory organization, class hierarchies, etc.)
- Class Assignments:
 - DBHelper
 - ResultsActivity

MemberTasks:

Sam

- Design a user interface
- Set up interaction with the camera app to retrieve barcode images
- Class Assignments:
 - ItemType
 - ResultsActivity
 - UI Layouts

Conclusion

Questions?