Fridge App 9000

Prof. Song | CSC 648
Fall 2019

Team 103:

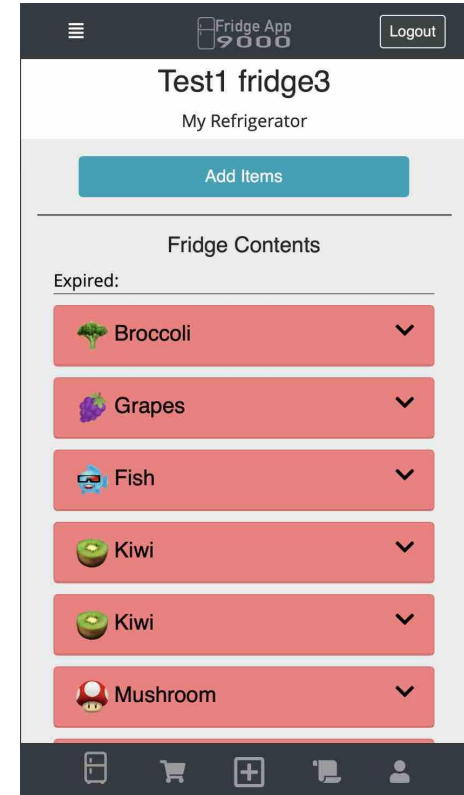|	
Joshua Lizak	[Team Leader]
Abhishek Mane	[Backend Lead]
Wilson Xie	[Full-Stack Developer]
Douglas Hebel	[Frontend Lead]
Gangzhaorige Li	[Backend/Full Stack]
Nina Mir	[Scrum Master]

Overview

- Planned Features
- Technology Stack
- Demo (two use cases!)
- Challenges/Solutions/Compromises
- SW Engineering Reflections
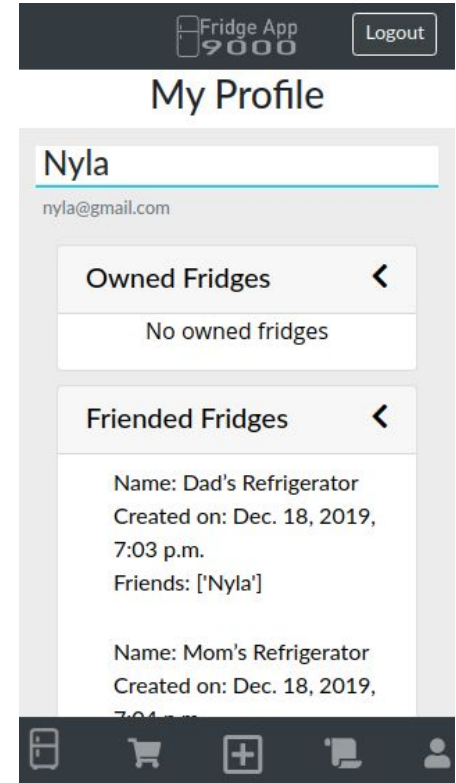
Functionality and Features

M2 Functional Requirements (P1)	Implemented
User accounts	✔
Own multiple fridges	✔
Add items by uploading receipt	✔
View , delete, add items on fridge page	✔
Track items in grocery list	✔
Recommend Recipes based on items in fridge	✔
Friend Fridges	✔

Functionality and Features (continued)

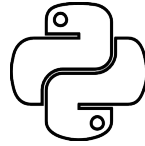| M2 Functional Requirements (P2 & P3)	Implemented
Adding/Removing items from grocery list manually	✔
Personal notes for user	✔
Save recipes for future use	✔
Manual Addition of items to fridge	✔
Auto Suggestions of Recipes based on fridge contents	✘
Monthly food consumption report	✘

Unique Feature: Friended Fridges

- Each fridge can have "friends."
- You can switch between viewing your own fridges, and the fridges you are friended to.
- You can add/delete items to friended fridges
- You cannot rename, delete, edit friends of the friended fridge.

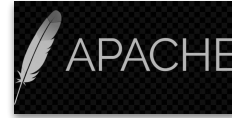Life is better with friends :)

Fridge App 9000   Logout

My Profile

Nyla

nyla@gmail.com

Owned Fridges   ‹

No owned fridges

Friended Fridges   ‹

Name: Dad's Refrigerator
Created on: Dec. 18, 2019,
7:03 p.m.
Friends: ['Nyla']

Name: Mom's Refrigerator
Created on: Dec. 18, 2019,

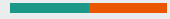# Technology Stack

Front End

Back End

Cloud Vision API

Dev Tools

Demo

fridgeapp9000.com

User Story 1: Nyla

(Viewing Friends' Fridges and Adding Personal Notes)

- Nyla Mir is a high school student.
- Lives with her dad, but she visits her mom's house on the weekends.
- She is a vegetarian unlike her parents.
- Needs to check what is inside both her parents' fridges.

User Story 2: Joseph

- Joseph McDonald, a 32 year-old start-up engineer lives by himself in SF.
- Most of his time is spent at work developing his startup.
- He struggles with remembering what is in his fridge and or what food he needs to buy from the store on his way home.
- Could use the tracked items feature to remind him of what he needs to buy.
- After he gets to Trader Joes and gets his groceries, he could take a picture of his receipt to upload onto our app.

Challenges & Solutions

Challenges

Under our control:
- Django
- Docker
- UX design
- Item Database
- Delivery Through Apache
- Group Availability

Out of our control:
- Recipe API
- AWS Credit Limitations

Solutions & Compromises

- Docker
- Learn new languages and architectures
- Work together to solve issues
- Meet as often as possible
- Trial & Error

- ➔ Multiple Deployment/Dev Servers
- ➔ Recipe API

Closing Thoughts: Reflections

- Docker is better for giving everyone the same dev env, but sometimes can cause setup problems (only windows)
- Beta testing showed us new problems - Manual and tracked items, no detection msg in add receipt
- Most important development done as a team together
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