RateMDining

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Our Motivation

- Thousands of students eat at the school’s canteen every day.
- Dozen canteens offer different dishes that cannot satisfy individual tastes.
- People who have specific requirements for ingredients such as vegetarians cannot find customized menus

Our Solution: RateMDining

- Mobile App gives tailored dining experience for U of M students
    - Dining hall overview & opening hours
    - Weekly updated menu for each dining hall
    - Personalized ratings that share with the community
    - Filters with ingredient preferences

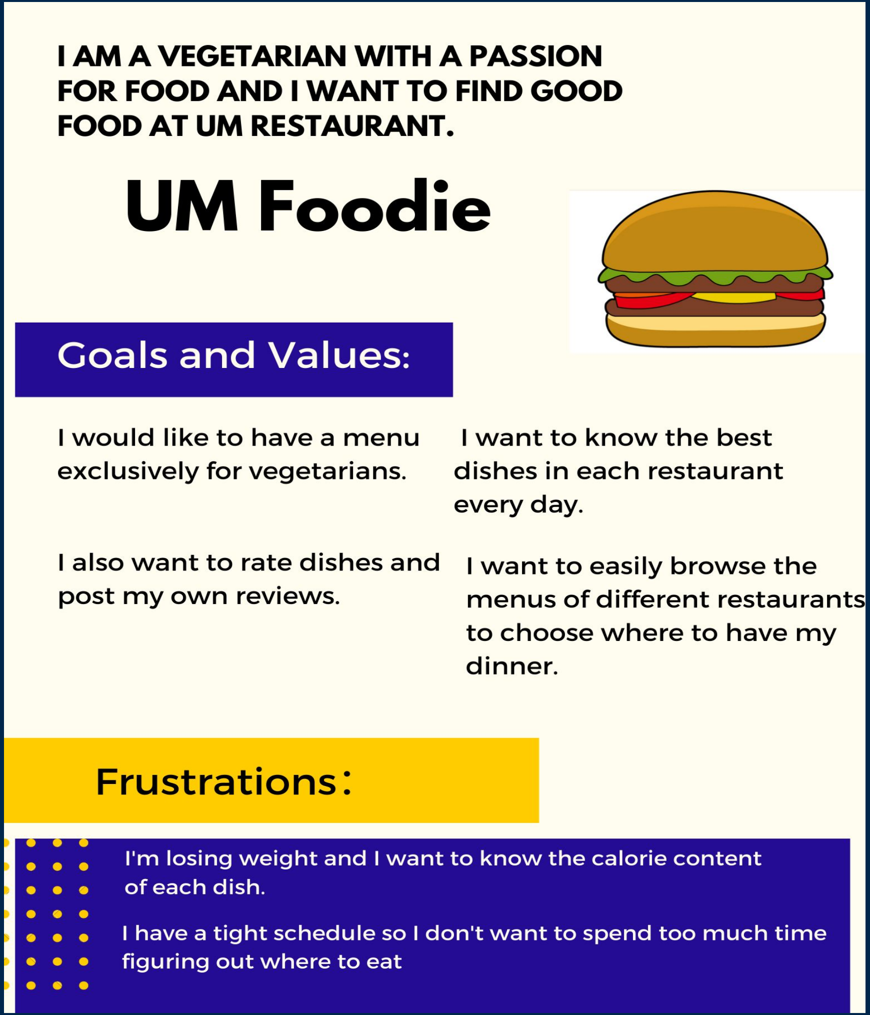
“Not-you” and User Needs

CARBOHYDRATE
NUTRITION
KOSHER FOOD
LOCALY GROWN
PROBIOTICS
DIETARY FIBER
KCAL
CALORIES
DETOX SMOOTHIE
0%
ZERO TRANS FAT

Target Market

- A large portion is affiliated with University of Michigan
  - Current teachers & students（Especially those who bought meal-plan）
  - Faculty support staffs
  - Potential students / visitors
- Foodies who love food and want to taste all kinds of delicious dishes
- People who have special requirements for food ingredients
- Social enthusiasts who like to share their evaluations with the community

Primary Persona



I AM A VEGETARIAN WITH A PASSION FOR FOOD AND I WANT TO FIND GOOD FOOD AT UM RESTAURANT.

UM Foodie

Goals and Values:

I would like to have a menu exclusively for vegetarians.

I also want to rate dishes and post my own reviews.

I want to know the best dishes in each restaurant every day.

I want to easily browse the menus of different restaurants to choose where to have my dinner.

Frustrations:

I'm losing weight and I want to know the calorie content of each dish.

I have a tight schedule so I don't want to spend too much time figuring out where to eat

Competitive Analysis

RateMDining VS M-Eats

- M-Eats
  - Have basic canteen and dish information
  - Dish list page has too many elements and is a bit messy

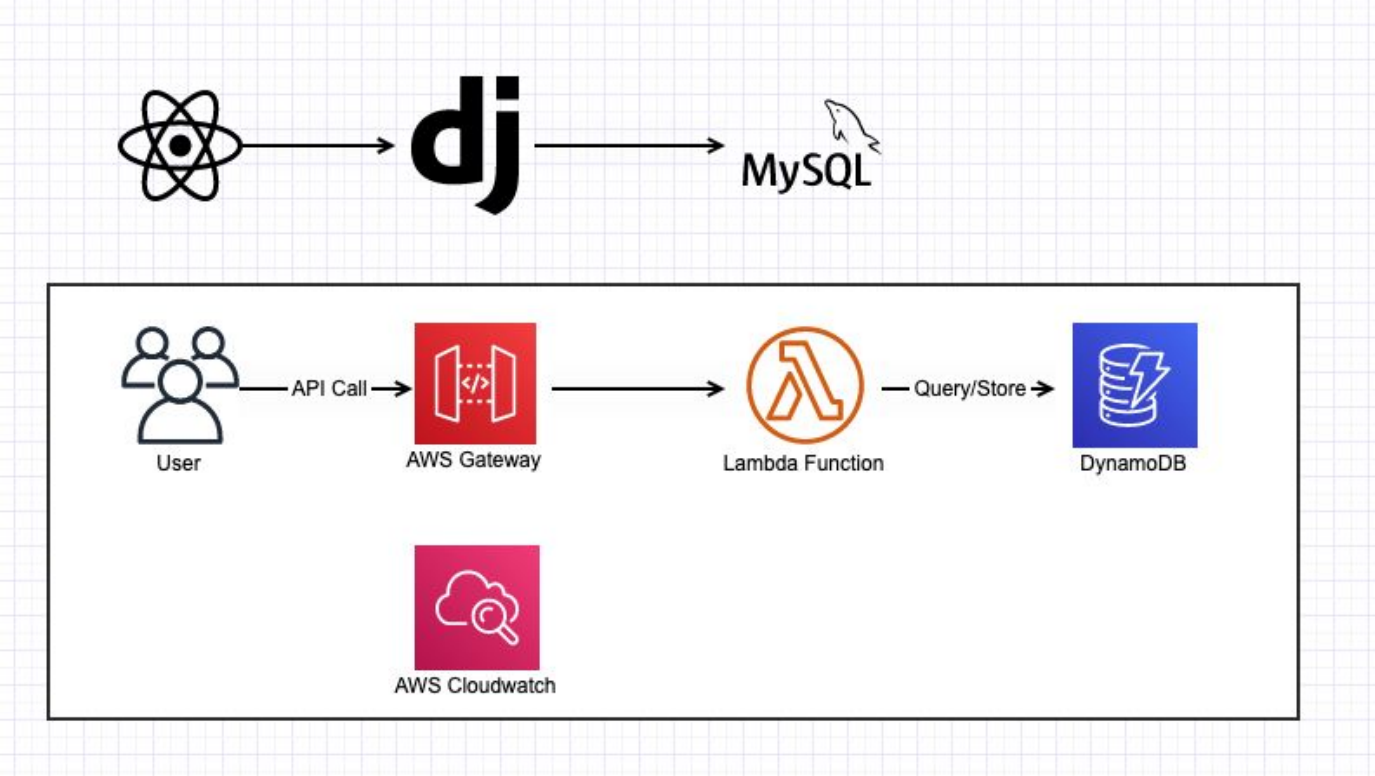
- RateMDining
  - Have all the same basic functionality as M-Eats
  - Easy and intuitive page design
  - Support rating preference for each canteen
  - Support food ingredients preference filter

High-level Technical Details

Developer Tools

- Github (code repo)
- Ubuntu (development environment)
- Slack (team communication)
- Notion (project management)
- Django (back-end development)
- React.Native (front-end development)
- MySQL (database setup)
- Figma (lo-fi demo)
- Curl, HTTPie (testing)
- AWS Cognito, AppSync, API Gateway, Lambda Function (Deploy)

App Flow Chart



Technical Challenges

Challenges Overview

- Work divided
- Learning django and react.native, and integrating various libraries
- Understanding AWS components

Future Plan

- Support comment functionality
- Rate on specific dish
- Add the recommendation system