



# Sprint #2 Review

Team 26

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# Agenda

- Project Recap
- Functionality
- Planned VS. Completed
- Problems & Risks
- Before Final Demo

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# Project Background

Ingredient Management/ Recipe Search Website



## Main Functions

### Sprint #1:

Basic Setup (Project Structure, DB, Login, Register...)  
Function One: Manage Ingredients

### Sprint #2:

Function Two: Search Recipe  
Function Three: Find Store Near Me  
Function Four: User Profile and Saved Recipe  
Function Five: Embed Youtube Video for Recipes

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# Current Progress

# Sprint 1



# Sprint 2

Product/Sprint Backlog						
Task ID	User Story/ Developer To Do	Function Module	Priority	Sprint #	Task Owner	Status
01	Integrate Bootstrap framework template	Framework Template	5	1	Vivian	Done
02	New users can register account	Registration/Auth horization	5	1	Lansing	Done
03	Registered users can log in		5	1	Lansing	Done
04	Logged in users can log out		5	1	Lansing	Done
05	User can create and edit their ingredient list (including ingredient name, quantity and unit)	My Ingredient List	5	1	Vivian	Done
06	Design and develop data models for user, ingredient, user-ingredient, recipe and etc.	My Ingredient List & Search Recipe	5	1	Crystal	Done
07	Build mock data and create dummy data in database in django	Make Database	5	1	Crystal	Done
08	User can search for coffee making recipes and ingredient lists by entering keywords	Search Recipe	4	1-2	Vivian & Lansing	WIP

Product/Sprint Backlog						
Task ID	User Story/ Developer To Do	Function Module	Priority	Sprint #	Task Owner	Status
08	User can search for coffee making recipes and ingredient lists by entering keywords	Search Recipe	4	1-2	Crystal	Done
09	User can click "what can I make" button to fetch a list of recipes dependent on his/her current ingredient list	Search Recipe	4	2	Vivian	Done
10	User can view recipes results in a result page	View Recipes	4	2	Crystal	Done
11	User can click find store to view a map pinpointing supermarket nearby to purchase ingredients in need	Find Store	3	2	Lansing	Done
12	User can view the top recommended Youtube video relevant to each recipe	View Videos	1	2	Lansing	Done
13	User can create profiles to record geolocation info and save recipes	User Profile	1	2	Vivian	Done
14	User can select the target serving number to view the recipes with the adapted ingredient quantities	View Recipes	0	2-final	N/A	N/A

- Note: Priority range: 0 -5 (Least important - Most important)



## Search Recipe with Keywords

- Keyword Search
  - Accept user intended keywords
- Present Recipe Result List
  - Label recipes with # of ingredients missing
- Display Recipe details
  - Show ingredient list, steps and time cost



## Geolocation

- Utilize Google Maps Embed API
  - Bound with user geolocation info in profile
  - Map marked with local supermarkets
- Hover pins to view store details
- Redirect to Google Map page
  - Offer directions, reviews, store hours...





## Youtube API

- Call YouTube Data API v3  
Retrieve videoID of the top relevant video  
with recipe name as the search keyword
- Call YouTube oEmbed API  
Embed the recipe tutorial video in iframe



## Profile Page

- Edit Profile
  - Location info, for the map function
- Upload Profile Pic
  - Show default pic if not uploaded
- View Saved Recipe




## UI Design & Implementation

- Design Logo and website theme pics
- Rearrange page layout
- Optimize and unify overall design

Brand Name

Login



## REGISTER

User Name:

flirst Name:

Last Name:


E-mail:

Password:

Confirm Password:

Brand Name

Register



## LOGIN

User Name:

Password:

Brand Name

My IngredientSearch RecipeFind StoreLogout

Add Ingredient

(Auto generate unit)

hover

open modal

Milk

Coffee bean

1 pound

on click

Edit


Quantity

Measure


Brand Name

My IngredientSearch RecipeFind StoreLogout

☐ missing none  
☐ missing one



## Latte



## Matcha Latte

Brand Name

My IngredientSearch RecipeFind StoreLogout

Brand Name

My IngredientSearch RecipeFind StoreLogout

Ingredients

Milk ... 1/2 cup  
coffee ... 1/2 cup  
....  
....  
....

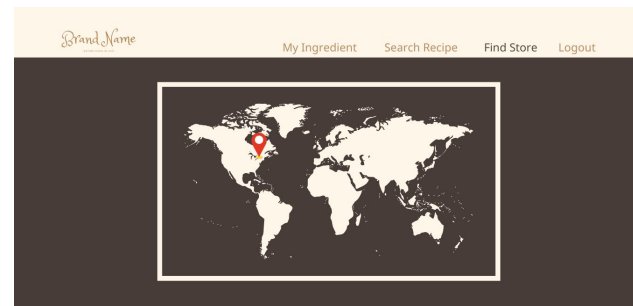
Serving 1

Steps

Steps1

Step 2

Step 3



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# Website Demo

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# Problems & Risks



# Problems & Risks

## Problems Encountered

- Locate a precise geolocation
- Unify DB ingredient unit (to make quantity conversion)

## Risk points

- Validation and Unexpected User Operations
- Location only provide US country

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**Before Final Demo**





# Final Goals

1. Good to have function (Conversion/ embed Youtube tutorial videos )
2. Make geolocation locate to exact location
3. Testing and Testing and Testing
4. Refine code
5. Web Deployment on AWS