Project specification

AndrewID	yuancha2	yiwenc2	yifanche
Name	Vivian Chang (Product Owner)	Crystal Chen	Lansing(Yifan) Chen

Product/Sprint Backlog

The items highlighted in yellow are sprint backlog items for Sprint #1
Trello Board: https://trello.com/invite/b/AFn1xH2T/7f10d8927e88f87504470d85f57ff9ef/web-app

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/Authorization	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	Use can create and edit their ingredient list (including ingredient name, quantity and unit)	My Ingredient List	5	1	Vivian & Lansing	WIP
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
09	User can click "what can I	Search Recipe	4	2	Vivian	N/A

	make" button to fetch a list of recipes dependent on his/her current ingredient list					
10	User can view recipes results in a result page	View Recipes			Lansing & Crystal	N/A
11	User can select the target serving number to view the recipes with the adapted ingredient quantities	View Recipes	4	2	Lansing	N/A
12	User can click find store to view a map pinpointing supermarket nearby to purchase ingredients in need	Find Store	3	2	N/A	N/A
13	User can create profiles to record their zip codes for local market recommendation	User Profile	1	1-2	N/A	WIP
14	User can view recommended Youtube videos relevant to recipe results	View Videos	0	2	N/A	N/A

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

Data Model
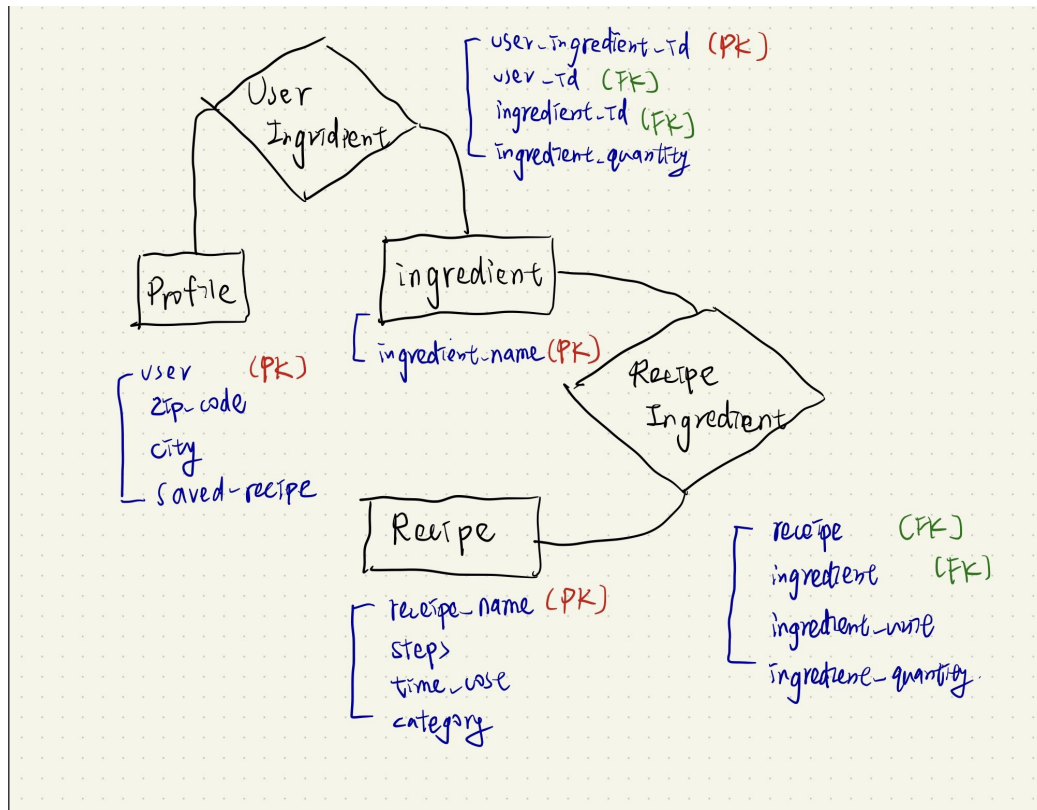
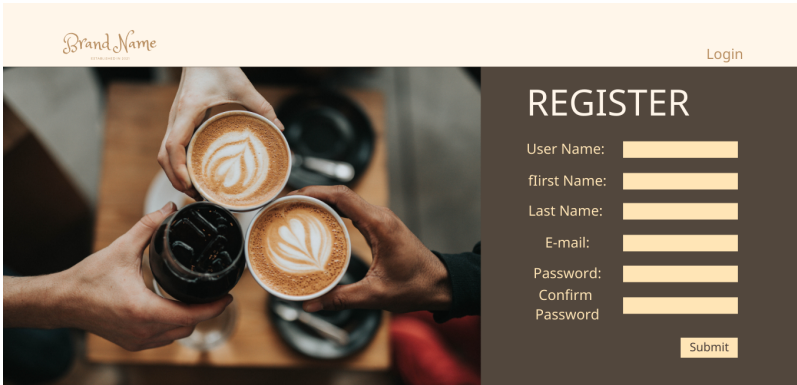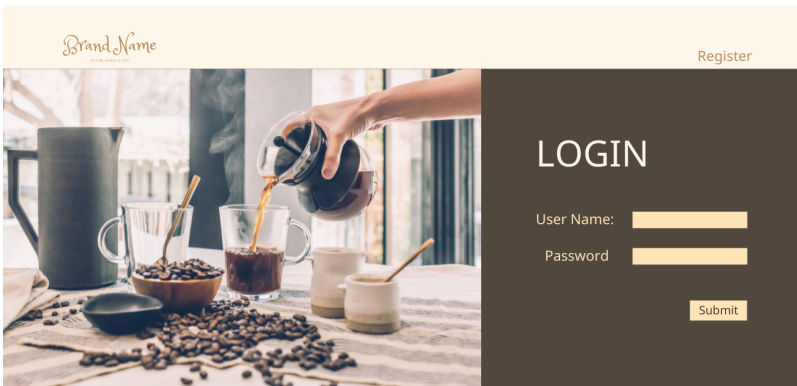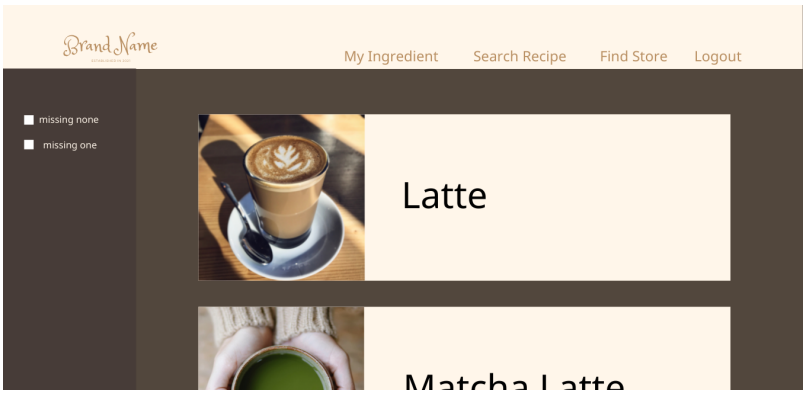| Model Name	Description
Profile	Profile info for registered user, including zipcode, city, and saved_recipe.
Recipe	The recipe name and the steps, time cost, and category
Ingredient	Ingredient name
User_Ingredient	Ingredients saved by the users with ingredient quantity and ingredient unit
Recipe_Ingredient	Record what ingredient a recipe needs to use, and what quantity and unit the ingredient is used.

Models.py:
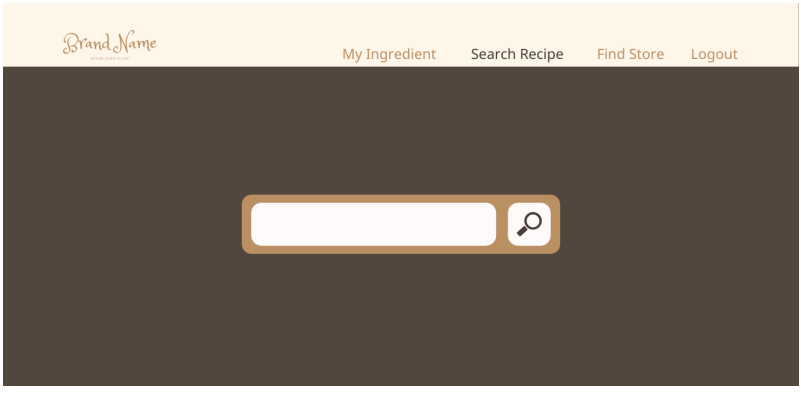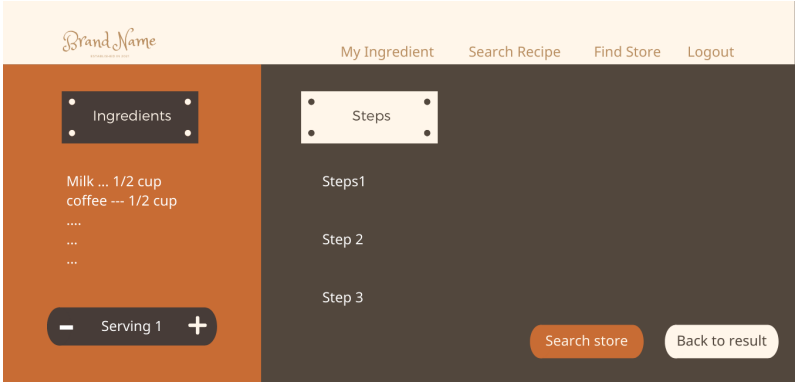
```
class Ingredient(models.Model):
class Recipe(models.Model):
class User_Ingredient(models.Model):
class Recipe_Ingredient(models.Model):
class Profile(models.Model):
```
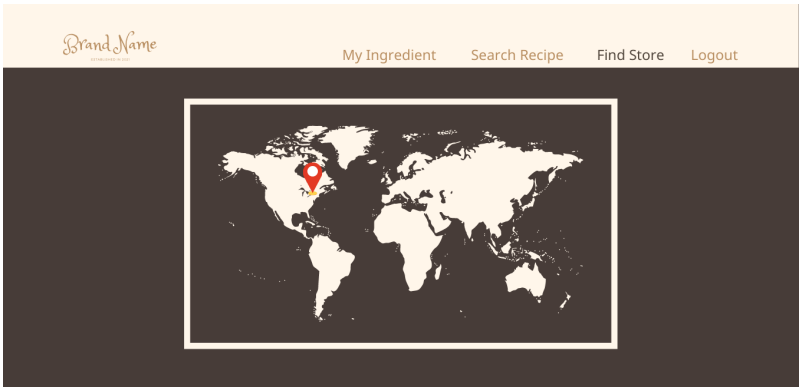
Wireframes

Wireframe	Page name	
	Register Page	The first page shown to the user if not logged in. The register page is presented to new users prior login. There are six required fields and inputs will be verified before the user can become registered. The Login link on top right can take users to the login page if they have already registered.
	Login Page	The login page is presented to users prior login, and for existing users log into the application. The Register link on top right can take users to the register page if they have not registered.

	User Ingredient Page	The user ingredient page shows the ingredients the users currently stored, and have 3 functions: add, edit, and delete. Under Add Ingredient, users need to select a list of ingredients from the dropdown list and enter the quantity, the entered item will later be displayed on the left panel. On the right panel, hovering on an item will show its quantity, and clicking it will open a modal for the user to edit and delete the ingredient.
	Search Result Page	The search result page will display a list of recipes based on the user's search, either from "What can I make?" or the search function. The left will present filters for user to select recipes that can be tried out with the user's ingredient on hand, or they will need one more ingredient to fulfill the ingredient list of the recipe.

	Search Page	The search page allows users to search for recipes that contain the search word in their recipe name.
	Recipe Display page	This page shows the detailed steps and time spent in order to make this coffee. The left side (orange) lists down each ingredient needed with corresponding quantity and unit. It comes with a button on the bottom which provide the function to multiply the serving if needed. The right side (brown) lists down the ordered steps to guide users the procedure. On the bottom-right side includes two buttons, one can search the near supermarket for users to get reference and one to go back to the searched result.

	Map Page	The map page gives the user stores and supermarkets that are close to them based on their zip code.