

# Project Milestone 4: RecipEat

## Recitation 15, Group 5

Team 0101

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## Project Features List in priority order

### 1. Pantry

The pantry front end is currently being worked on and was shown in the demo, the front end is in progress, while the current plans for the back end are pretty simple. A pantry table will be made in the DB where each user is linked to their own pantry through their username, the ingredients will be separated by the main food groups and users adding ingredients will be able to choose which group an ingredient goes in.

### 2. View Recipes

This features front end is in the process of being developed, the back end will largely consist of calls to a public recipe API and so development on that end will need to wait until we have the API figured out. We shouldn't have many issues with this feature moving forward in development.

### 3. Recipes and Cooking

This feature will give the user detailed instructions on cooking/preparing any given recipe. Currently this feature is completely undeveloped. For the front end we do have some ideas, largely a simple page listing everything a user would need. As for back end, this feature again depends on the API and the results it is able to give us. We also hope to have the user store in progress and favorite recipes in our database.

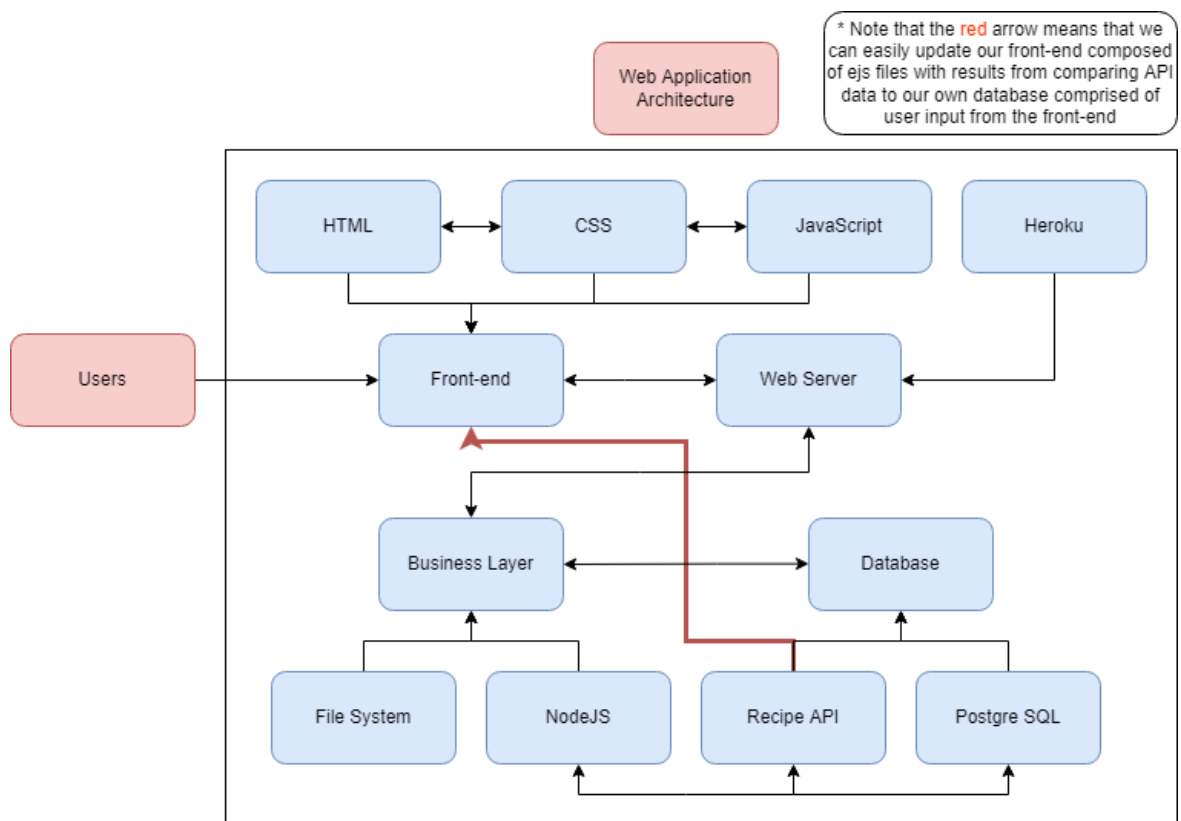
### 4. Home Page

The home page front end is currently being worked on. There likely will not be very much if any DB work to do regarding this page and it will largely be front end work and integration with the API if we decide to have this page show popular recipes or something similar.

### 5. Account


This feature will allow each user to create and log into an account. In the account page, all of the user's added recipes can be viewed. This feature is largely finished at least in terms of creating and adding accounts. Some issues currently are how we manage a users session on the site and keeping them logged in, we have a general idea about what frameworks we will need to accomplish this and development should be finished up fairly shortly allowing other pages to access the current user.

## Architecture Diagram



# Front End Design

## Search Page:



Navbar


Account  
access

Search Recipes



Filter	table	for
search	results	

## Cooking Page:



Navbar (active)


Account  
access

Recipe Name

Recipe Img


Step 1:

Instructions



Step 2:

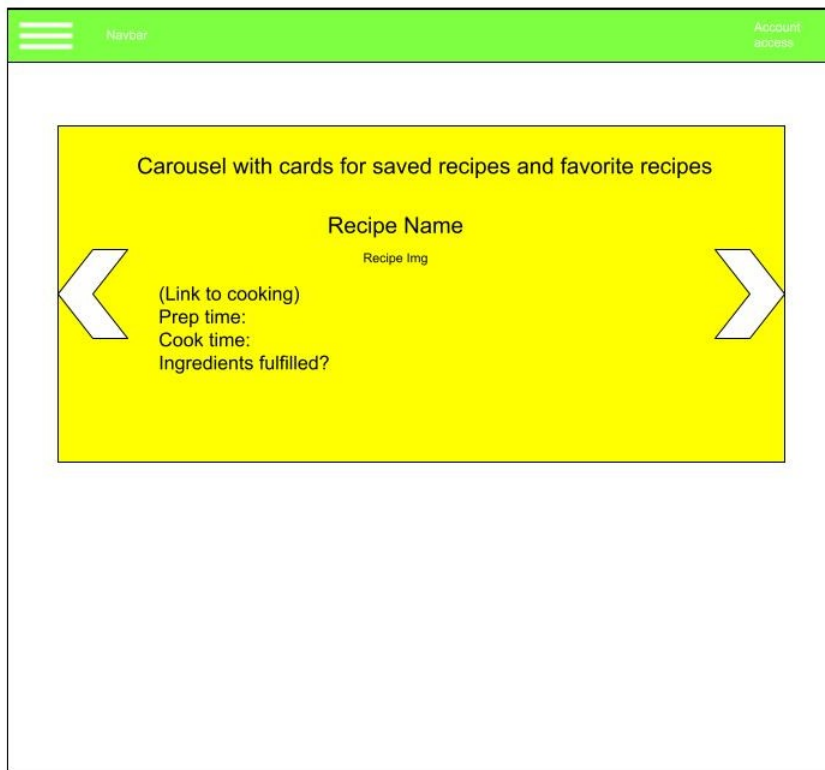
Instructions



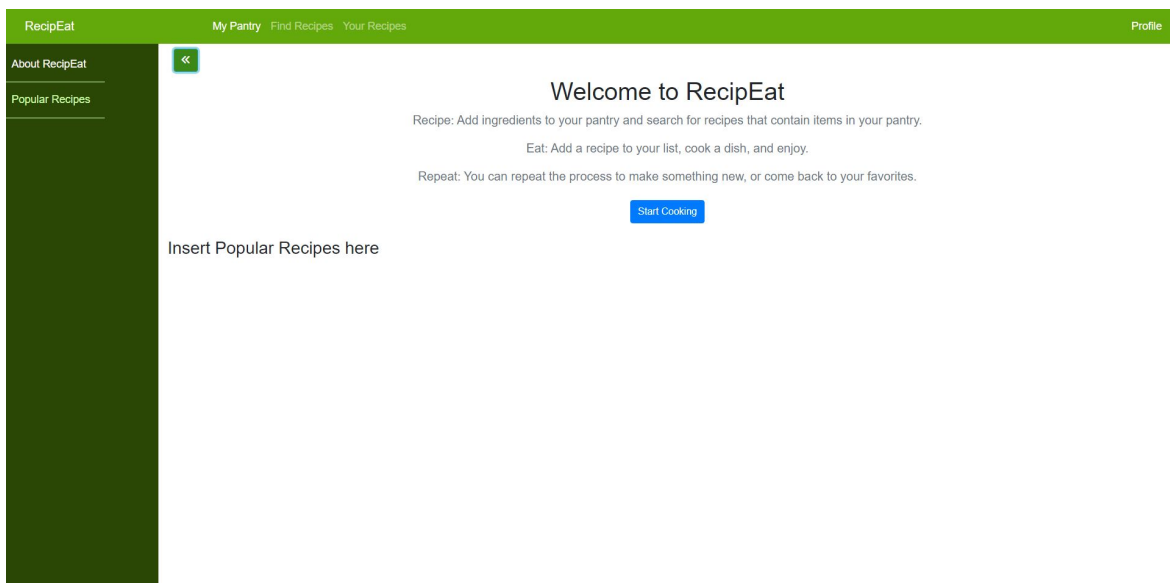
You finished!

(Animated)

## Your Recipe Page:



## Home Page:



## Profile Page:

RecipEat

[My Pantry](#) [Find Recipes](#) [Your Recipes](#)

Profile

>>

Profile Picture

JPEG no larger than 5 MB

Upload new image

Account Details

Username (how your name will appear to other users on the site)

Enter your username

First name

Enter your first name

Last name

Enter your last name

Email address

Enter your email address

Save changes

## Login Page:

Sign In To RecipEat

User Name

Password

[Forgot password?](#)

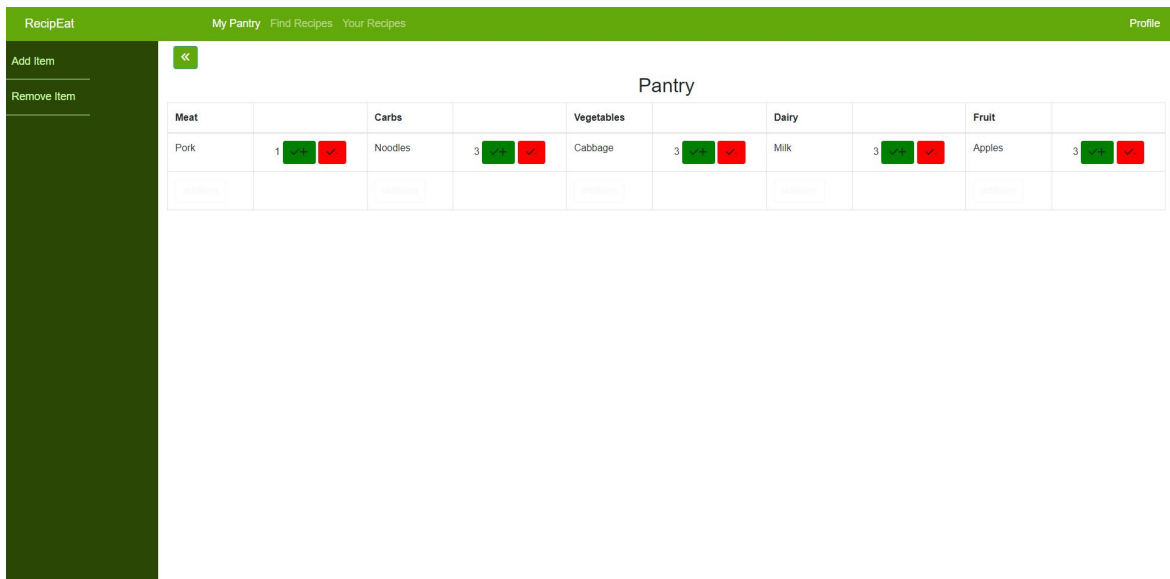
Login

Register

Activate Windows

Go to Settings to activate Windows.

## Pantry Page:



## Web Service Design

We are planning to use the [Spoonacular API](#) which comes with a lot of the features we need. Below is a list of the endpoints we will be interacting with.

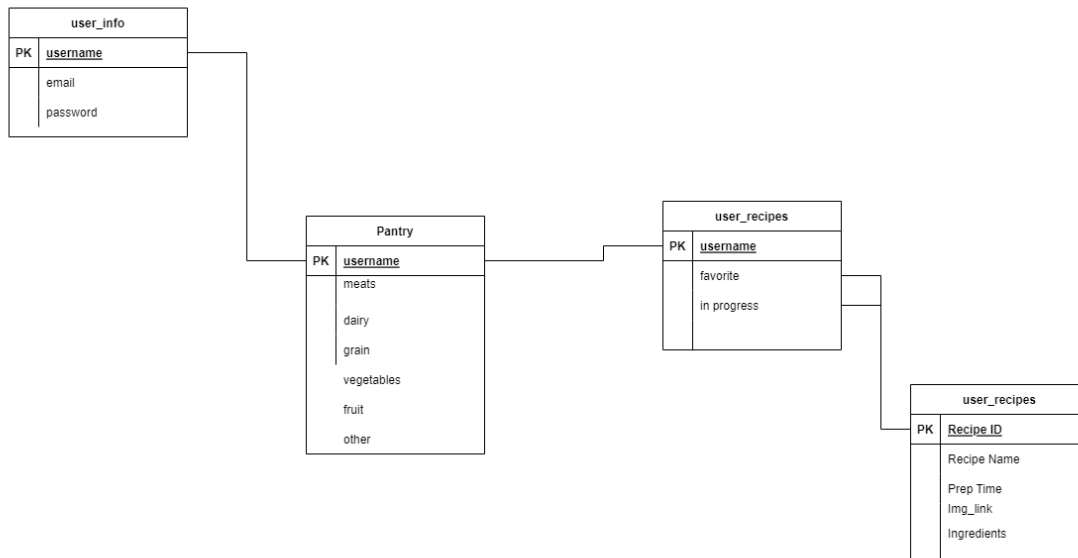
### Search Recipes by Ingredients

We will be using this endpoint for the search page to filter by ingredients, we will be passing in all the lists from the pantry table concatenated.

### Search Recipes

This endpoint allows searching of recipes by a multiple of different filters as well as a user input. We are not sure if we will use this endpoint but our design for the search isn't finalized so it's worth mentioning.

# Database Design



## Challenges

1. One challenge we have faced and continue to face is actually meeting in person outside of class.
2. Another challenge has been figuring out how to best interact with the API and how we will use the search bar to find recipes.
3. A final challenge we faced during this section of the project was making the partials and we still need to make sure they work consistently.

## Individual Contributions

### Will Snider

For this milestone I worked on the database design and the web services design. For the Front End section, I did a lot of work on the login page and helped set up the partials for the entire site.

### Alex Carlson

For this milestone I worked on updating the pantry.ejs page. I also helped make the updated features list and documented some of the challenges our team faced.

### Jason

For this milestone I worked on updating the architecture diagram to include a more explicit connection between the API and our database with the frontend since we will be using ajax and procedures in Lab 8: Web Services Lab to sync the frontend and backend of the website. I also Worked on the frontend of the home page, as well as making the sidebar and its related javascript universal so that it can now be used for page specific functions.

**Ryan**

For this milestone I worked on more Front End designs/wire-frames as well as continued to figure out API specifications and endpoints that we would like to use for the search feature.

**Chucky**

For this milestone I did research for the database api interaction.

**Braden**

For this milestone I worked on the frontend of the profile page.