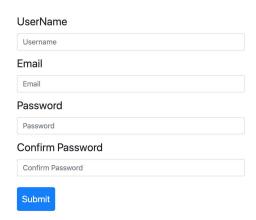Project Features(Not Changed)
- Meal planning page
  - This page will display the users 3 recipes/meals that they are going to eat that day
    - The user will choose meals by using the search bar, when they find a recipe that they like they will click a button which will add it to the meal planning array. The items in this array will be displayed on the screen for that day and then stored in a meal history table in the database. This table will be used to give the user information on calories in and the search algorithm data so that it doesn't recommend a meal to frequently. This table will be reset each week.
- Login Page / Account Creation (Priority 1)
  - User will be able to enter username and password
    - When a user first creates an account they will be asked to enter some identifying information which will then be stored as a row in the users table of our database. The password will be encrypted with SHA-256 hashing and a random salt generated for each user at the point of account creation. The hashed and salted password will be stored in the database alongside each user's information, and will be used to verify their login attempts.
- Search bar (Priority 4)
  - This will be used to search for recipes and bring up results
    - The search bar will access the recipes table and utilizing the the user's taste preferences along with the search algorithm will display the results with the top results descending.
- Pick recipes to create a flavor profile
  - This will allow the user to personalize which recipes sound good to them
    - Each recipe will have a flavour breakdown, a set of ratios to quantify the overall flavor of a meal. From this we will use recipes the user has liked and saved to estimate what flavours they like, represented as a flavour profile.
- Save/view favorite recipes (Priority 3)
  - This will be a repository of the recipes that a user has saved
    - User ids will have a set of references towards recipes that they saved. From the user will be able to open a page displaying the recipe using this reference.
- Recipes (Priority 2)
  - This page will have a breakdown of the ingredients and a nutritional data
    - Using references tied to the recipe id we can pull the nutritional data and ingredients for each recipe, from there we can display this information to the users.
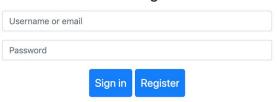
LINK TO PROJECT PLANNING:
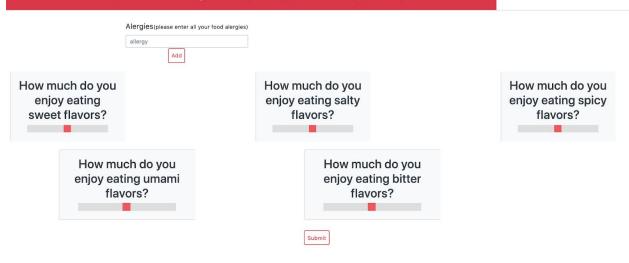- https://github.com/TimothyHartt/DeliciousMeal/projects/1

Front End Design:

UserName

Username

Email

Email

Password

Password

Confirm Password

Confirm Password

Submit

Please sign in

Username or email

Password

Sign in Register

Alergies(please enter all your food alergies)

allergy

Add

How much do you enjoy eating sweet flavors?

How much do you enjoy eating salty flavors?

How much do you enjoy eating spicy flavors?

How much do you enjoy eating umami flavors?

How much do you enjoy eating bitter flavors?

Submit

Home   **Meal Planning**   Saved Recipes   Settings

Logout

Breakfast

Funny Face Eggs

Lunch

BLT and Fries

Dinner

Chicken and Rice

Funny Face Eggs

1. Preheat oven to 375 degrees.
2. Turn stove on to medium heat.
3. Heat pan up on stove.
4. Butter the pan.
5. Crack two eggs in the pan.
6. Cook eggs for 3 minuets
7. Plate the eggs.
8. Put bacon on a cookie sheet.
9. Place cookie sheet in the oven.

- Back End/Database Design:
  - We're using Mysql to store our Database.
  - https://github.com/TimothyHartt/DeliciousMeal/blob/master/Database/Database%20Planning%20Final.pdf
    - Explains our reasoning over the data we store.
  - https://github.com/TimothyHartt/DeliciousMeal/blob/master/Database/DatabaseDiagramFinal.png
    - A diagram for our Database design.
- Architecture
  - https://github.com/TimothyHartt/DeliciousMeal/blob/master/Frontend-files/Architecture.pdf