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Features

Updated list of features in order of priority

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1. Registration
   a. Name and Lastname
      i. Allows the user to set their preferred name. This is for user recognition.
   b. Password
      i. Allows the user to set a password of their choice.
   c. Food Allergies
      i. Allows the user to put in what allergies they have.
   d. Select Profile photo from presents
      i. Allows the user to pick out a picture from already existing choices.
   **Registration leads the user to *Homepage (index)*, *Food Allergies* and *Profile Pictures.***

2. Homepage (index)
   a. Allows the user to access the different parts of our website: Grocery List, Recipe List, Search recipe Database, Manually add Recipe, Profile, Help
      1. Tab
   b. **Homepage (index) leads the user to *Grocery List*, *Help Tab, Recipe List, Search Recipe Database, Manually Add Recipes,* and *Profile.***

3. Grocery List
    a. Sorts the food into different categories for ease of finding around the store b. Functionalities:
        i. You will be able to rearrange the categories to match your specific store
        ii. You will be able to remove items from the list
        iii. You can also check off items as you pick them off the shelf
4. Recipe List
    a. A list of previous URLs to find your saved recipes and before adding a new one we will check if the recipe has already been added to the list
    b. Functionalities:
        i. Remove Recipes
        ii. Add new recipes
5. Search Recipe Database
    a. Includes a list of recipes submitted by users.
    b. Complies with Food Allergies so it will not show you recipes if they contain food allergies.
6. Manually Add Recipe(or items to grocery list)
    a. This will allow the user to add ingredients to the grocery list where they put in the name of the item and the quantity
7. Profile
    a. Users can change name and lastname
    b. Users can also change Profile Photo, food allergies, and password.
8. Profile Picture
    a. Users can view a range of profile photos presets to be selected from.
9. Help Tab
    a. FAQ
    b. Website walk through
    c. Contact Support
10. Food Allergies
    a. +A list of selectable allergies for uses to pick from. They can pick multiple and as many as they wish.
11. FAQ
    a. Insert frequently asked questions about the website
12. Website Walkthrough
    a. Users can see step by step instructions on how to insert recipes.
    b. A step by step instruction for removing recipes.
    c. Step by Step instructions for other features of the website.
13. Contact Support
    a. Allows the user to contact the admin team to help them with technical issues
14. Log-in

a. Area for the user to enter user name and password in order to access their account.

Architecture Diagram
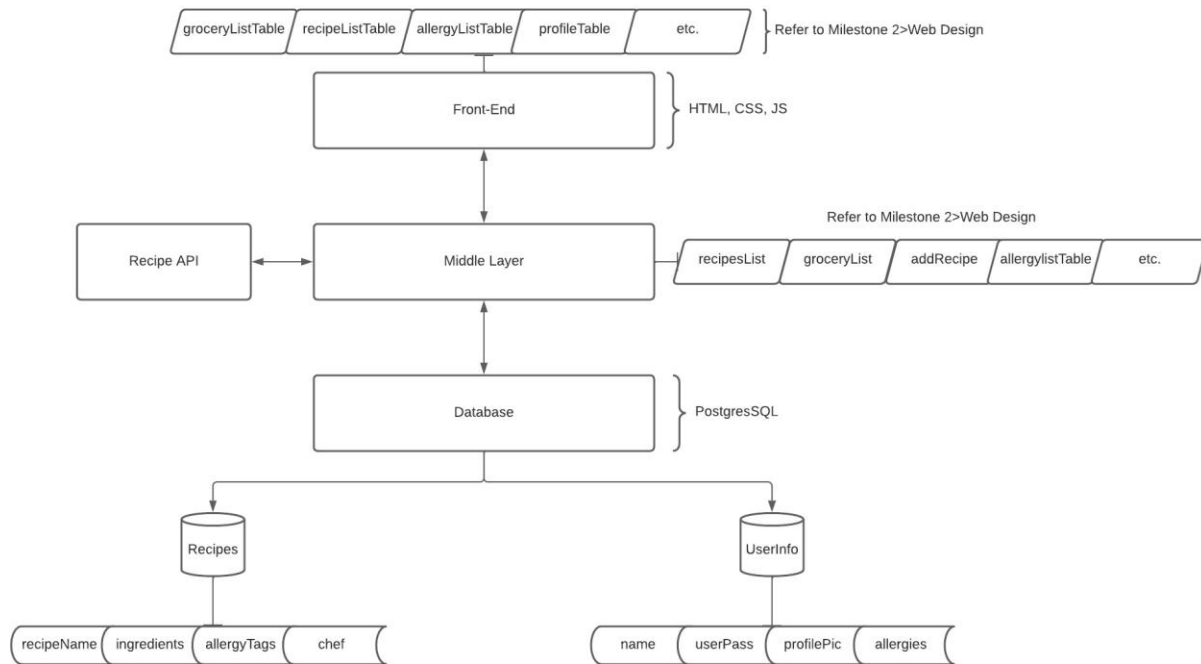
Front End Design
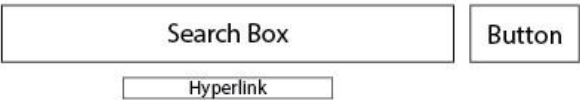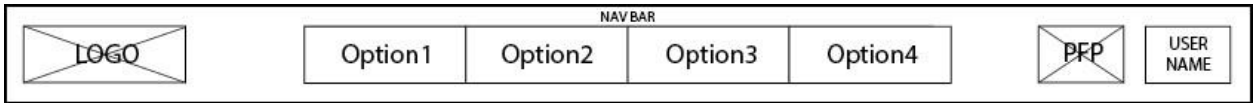## Wireframes for Each Page

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Registration Page Wireframe

Login Page Wireframe

Homepage Wireframe

NAV BAR

| LOGO | Option1 | Option2 | Option3 | Option4 | PFP | USER NAME |

| Search Box | Button |

Hyperlink

Grocery List Wireframe

NAV BAR

| LOGO | Option1 | Option2 | Option3 | Option4 | PFP | USER NAME |

TEXT

BUTTON		BUTTON
TEXT	TEXT	TEXT
	DYNAMIC TABLE	

BUTTON		BUTTON
TEXT	TEXT	TEXT
	DYNAMIC TABLE	

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	DYNAMIC TABLE	

BUTTON		BUTTON
TEXT	TEXT	TEXT
	DYNAMIC TABLE	

Help Page Wireframe

NAV BAR

| LOGO | | Option1 | Option2 | Option3 | Option4 | | PFP | USER NAME |

FAQ ICON

FAQ BUTTON

GUIDE ICON

GUIDE BUTTON

ABOUT US ICON

ABOUT BUTTON

CONTACT ICON

CONTACT BUTTON
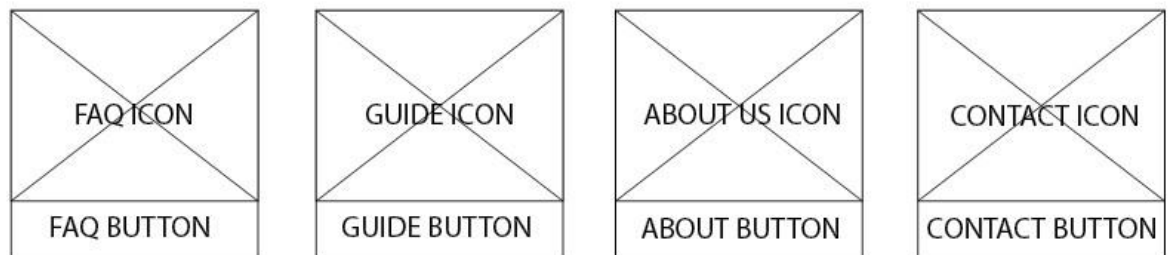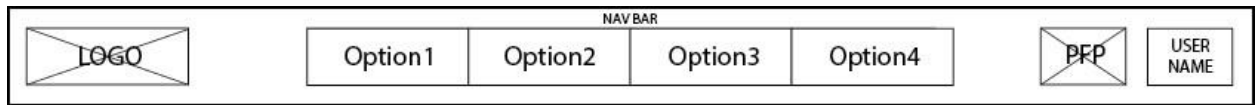
Web Service Design

List of Web Services, description of the web service's API, as well as the included data


➢ https://spoonacular.com/food-api/docs

➢ The Spoonacular API is a recipe API which we are going to be using. It has functionality for recipes, ingredients, nutritional information and a bunch of other aspects of food. This is implemented into our recipe search, which will call this API to update a list of resulting recipes based on their input into the search bar. With this the user should be able to type for any recipe they want into the search bar on the home page and they will be redirected to our recipe page with accurate results.

Database Design
Summary of Database and schema

➢ The schematic of the Entity Relationship Diagram was designed on MySQL
➢ PostgresSQL is the DBMS technology used to store our application data
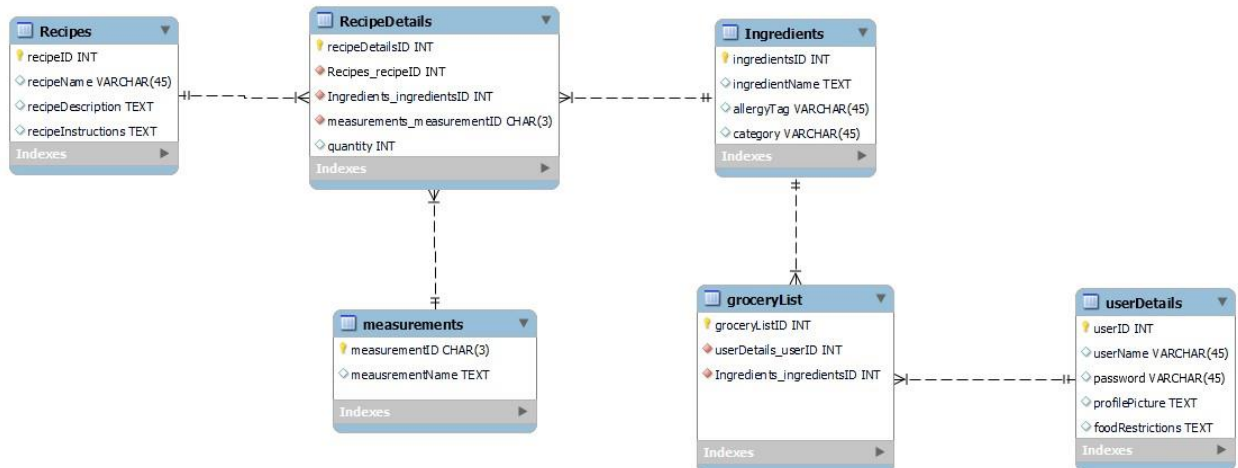
Challenges
3 challenges/risks and backup plans

➢ Database: We ran into conflicts trying to import the csv file that contained our data using both the \COPY and IMPORT commands. For some reason, it consistently said that it could not locate the file/directory. Backup plan: We created a series of formulas in Excel that will concatenate all values of our data, and automate a literal string that mimics the format of an INSERT statement. From this, we will be able to paste all of our data in one INSERT statement, which we will then paste into our InitData folder. This alternative method was in fact successful.

➢ Navigation Bar: We have inserted our logo within our navigation bar, but it's misaligned with the rest of the NavBar elements. We have modified the padding, as well as the margin, which has made it look better. But altogether, it still is not perfectly aligned. Backup Plan: We have 2 backup plans; 1.) Find a way to implement a "bottom aligned" feature in our css, so we can align all the elements by where their bottoms line up. 2) Redesign the logo to make it fit more cohesively with the rest of the elements in our navigation bar.

➢ Help Page: Currently, we have 4 cards on our help page that will contain images, as well as text (shown in Milestone 2). The goal is to turn these cards into clickable objects that will navigate the user to whichever card they clicked on. (I.e: Clicking on the FAQ card will navigate the user to the FAQ page). We're working on a method of making an

invisible clickable button that will hover over each card, at the risk of possibly messing up the alignment of our page. Backup Plan: We will just make 4 buttons and use CSS to insert the images and icons so we can remain cohesive with the rest of the design plan of our website.