



MyFridge

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Proposal

Overview

My Fridge will be a website that will help people organize and plan meals according to the ingredients that they have in the fridge. The problem that this website aims to solve is the amount of food waste that can occur when life gets busy and there is not as much time to plan and shop. This website is aimed at the kind of user who has a busy life and wants to find an engaging, modern, and easy way to plan their meals, utilize their groceries without waste, and budget their grocery shopping. I plan on using the Spoonacular recipe and food API. The API has a great set of data with recipes, ingredient prices/photos, nutrient content, and even restaurant menus.

Goals

1. Create a Website that is engaging and easy to use.
2. Solve the dilemma of food waste and answer the question of what should I make for lunch? Dinner? Breakfast?
3. Be a one stop spot for all planning, organization, and preparation for recipes, meal planning, and grocery.

Approach

In order to achieve my goals the first step of the process will be designing my database schema. After I design the schema I will be creating a mock layout for the site to see how to implement it for the best user experience. Once I have the schema and layout design completed, I will then work on implementing the actual layout of the site. After the layout is complete I will be working on the back end with python to implement the routes and make everything functional. Having the ability to search for recipes, and calculating grocery list cost are the 2 items that make the site more than just CRUD.

Features

I. myFridge list

Add and store a list of ingredients from your fridge

II. Grocery list

Add items to your shopping list and save. You should also be able to see the cost of each item so that you can estimate your grocery cost.

III. Recipes

Users will be able to view and Save recipes which they can then add into their meal plan day or week.

IV. Meal plan

Users will be able to take their saved recipes and create meal plans that they can edit/save.

V. MyFridge Search


Search for recipes where you have most of the ingredients in your myFridge list.

Potential Issues

1. The API free tier does not have a lot of support and is limited in the amount of points you are allowed to use per day.

User Flow

Users will start out at a home-page with a search bar for recipes. There will either be a log-in button/link or a visible log-in form towards the bottom of the page. Without logging in the user will be able to look for recipes and view them. They will still see a save recipe or



+ button but will be prompted to log in if they want to save recipes. I would like to let the users see all of the pages but prompt them to log-in or sign up if they actually want to use the pages. I would like to do that because It is annoying to sign up for a site when you are not sure the functionality is to your liking.