Idea #2: Food API for recipes and food products. Allows a user to search for thousands of recipes and food products via a form and can return these recipes and items with pictures if available.

My initial idea for my capstone project is to have a register and login form for each user. Upon registering and logging in, each user will be able to use the application to generate a meal plan based on user specifications such as calorie targets, dietary restrictions and length of the meal plan (for a day or a week). Additionally, each user will be able to make comments about each recipe if they have made the dish. My last hope is for each user to have a respective wishlist where they can store recipes they want to make for later so the recipe is easier to find once they are ready to make the dish.

My target demographic would be people who are interested in learning to cook new recipes, people with weight-loss/-gain goals and people who want to expand their palate with new recipes. For this project I plan on using the “spoonacular API”.

I want to have a database with a table for usernames and associated hashed passwords, a table for recipes and with an associated column for user wishlists and user recipes which will be linked to the users table via unique usernames.