

Final Project Approval

IS403 Section 3 Group 8

Christopher Kearl, McKenna Staley, Sawyer Halverson, Corban Procuniar

For our final project, we want to create a website/web-app that dynamically pulls recipes from multiple open-source online recipe database APIs. The motivation for our project is to provide a resource for people with dietary restrictions, health/fitness goals and medical conditions to get delicious and nutritionally abundant meals. Unlike other similar recipe generator web-apps, our search and database will be structured to also pull recipes that *exclude* specific ingredients that people cannot eat. While exclusion of specific ingredients will be the focus of project, a search for any recipe can be based on any of the following criteria:

- Ingredients to be included in the recipe
- Ingredients to not be included in the recipe
- Nutritional/macros information
- Serving size
- Calorie count

In addition to pulling data from recipe APIs, the user will be able to store favorite recipes in a personal database. They can create new entries into their database from found recipes. They'd also be able to update the names and other attributes of saved recipes to further personalize their needed recipes. Lastly, they can delete entries of their database of recipes if they feel they don't need the recipe anymore.

The main page will be the search bar for recipes and a secondary page will contain the user's individual database of saved recipes.