



Dispensa.io

What's in your pantry?

Overview:

- Create a digital pantry that takes in ingredient lists from recipe webpages and parses the list into ingredients, audits your digital pantry, and builds a shopping list based on what you need.

Goals:

1. Create a mobile first website that maintains the user's pantry & shopping list
2. The UI will be easy and interactive for the user.
3. The digital pantry will be intuitive and user focused.

Specifications

- Tech for the project:
 - This will be a Full Stack Application using ReactJS & NodeJS
- I intend for this to be an evenly focused Full Stack Application:
 - Frontend: React, jQuery,
 - Backend: Node.js, express
 - Database: PostgreSQL
 - API: <https://zestfuldata.com/>
- This will be a mobile first website
- This application will be designed to:
 - Speed up meal planning & grocery shopping
- Demographic:
 - Working people between the ages of 22 - 50
- Data Source & API:
 - The data collected will come directly from the user. It will be up to them to copy and paste the ingredients into their account for parsing.
 - I will be using the Zestful API. The Zestful API takes an array of ingredients (strings) and parses them out into nicely formatted JSON.
 - Potentially a recipe API that would streamline the process. But would undermine the concept idea.

Outline

- DataBase Schema
 - *Please see below ex. 1*
- Issues pertaining to my API:
 - Currently the free version only allows for 30 ingredient parses a day then \$.02 for everyone after that. So Pricey but a new Similar API could be built later.
 - There could be measurements are determined by the string input and would need adjusted to use with the pantry.
- Sensitive Information:
 - Username / Password
- Functionality:
 - Auto Filling Shopping List
 - Pantry that is audited by input ingredients.
 - Input area for ingredients
 - Amount to add ingredient as.
 - Saved Recipes
- App Flow:
 - *Please see below ex. 2*
- Beyond CRUD:
 - The usability and inter-activeness of the application will make it more than just a simple crud app. It will be user focused so that it actually speeds up the users grocery planning instead of becoming another task.
- Strect Goal:
 - I would like the application to be so interactive and user friendly that people actually wouldn't mind adding it to their daily / weekly shopping routine.
 - Ex. You are able to drag a spice bottle to the amount you have in your bottle instead of inputing numbers.

Ex. 1

User

- Username
- Password
- Firstname
- Lastname
- Email

Pantry

- Username
- Ingredient Name
- Amount Available

Ingredients

- Name
- Units
- Max - Amount

Recipe

- Recipe ID
- Recipe Name
- Ingredient List
 - Ingredients (Array)

Ex. 2

