

Team Grumio

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Grumio's List: Recipe-Sharing Web Application (Lifestyle/Social Media)

Unfinished Requirements/Use Cases:

Functional Requirements:

- The system shall allow users to list ingredients.
- The system shall allow users to search by recipe name.
- The system shall allow users to filter recipes via ingredients
- The system shall allow users to post recipes they've made
- The system shall allow users to bookmark recipes they like
- The system shall allow users to search by cultures
- The system shall allow administrative users to delete recipes
- The system shall allow users to upvote recipes
- The system shall allow users to downvote recipes
- The system shall allow users to sort recipes based on the recipe's votes
- The system shall allow users to recover their account information if forgotten.
- The system shall allow users to follow recipe authors.
- The system shall allow users to view substitutions for ingredients in a recipe
- The system shall allow users to comment on recipes.
- The system shall allow users to rate recipes on a scale of 1-5 stars
- The system shall allow users to share recipes via Social media.

Non-functional Requirements:

- The system shall successfully fetch recipe search results within 5 seconds 95% of the time.
- The system shall successfully add recipes to the database 99% of the time.
- The system shall be capable of allowing logins within 5 seconds 90% of the time
- The system shall return results via tags within 3 seconds, 95% of the time
- The system shall be capable of working on the 5 most used browsers 90% of the time.
- The system shall be capable of keeping the user's private information only accessible by the user 99% of the time.
- The system shall be capable of updating a user's following list within 10 seconds, 95% of the time.

- The system shall be capable of removing a deleted recipe from the database within 1 minute 99% of the time.
- The system shall be able to display translated languages within 2 seconds 95% of the time.
- The System shall be able to load the application on mobile devices within 5 seconds 90% of the time.

Use Cases:

- As a college student with a limited income, I would like the ability to search for recipes via ingredients, so I can use what I have to cook my meals
- As a stay-at-home dad, I would like the ability to search for recipes that make many portions would be great, so I can select meals that can feed all my kids.
- As a person who loves cultural cuisine, I would like the ability to search for recipes via culture, so I can discover recipes from different cultures.
- As a visually impaired user, I would like descriptive alt-text for photos of meals, so I can have a better understanding of the food I would like to have prepared.
- As a person with allergies, I would like to be able to exclude certain ingredients from my search results, so that I can avoid foods that include ingredients that I am allergic to.
- As a person with limited internet access, I would like to be able to download recipes, so that I can use them without being connected to the internet.
- As the parent of a picky eater, I would like to be able to mark down my son's favorite recipes, so that I can quickly access them.
- As a European, I would like to be able to have units of measurement converted automatically, so that I don't have to spend time converting them myself.
- As a person who is trying to diet, I would like to be able to see the calorie count on recipes, so I can see which ones are better for my diet.
- As someone who might have similar ingredients but not the exact ones for a recipe, I would like to be able to see valid substitutions, so I don't have to buy extra ingredients.
- As a chef, I would like a commenting system, so people can critique my ideas.
- As someone who doesn't like to spend a lot of time cooking, I would like an estimated cook/prep time for a recipe, so I can avoid recipes that might take too long to make.
- As a person with celiac disease, I would like to be able to filter out recipes so I can cook gluten-free.
- As a new cook, I would like to have step-by-step instructions for how to prepare the meal.
- As a stay-at-home mom, I would like to have a map feature that shows local grocery stores with the ingredients I am looking for.

- As a social media enthusiast, I would like to have user profiles so I can see recipes each person may have created and they can see mine as well.
- As a diabetic, I would like to know how much sugar is in the recipes I find online so I can make sure that I am consuming a safe amount of sugar.

Plan for the Future:

A lot of the future development needs to be focused on the actual software itself. A lot more work needs to be done with backend development and making sure it is connected to all of the components of the front end. A vast majority of the user stories have been started, but they need to actually be completed as well as a few of the ones that didn't fit into the deliverables throughout the semester. Most of the requirements (both functional and non-functional) need to be completed as well, but a lot of those will be done with targeting certain user stories. Overall, the vast majority of the documentation is complete, a lot of the future would just need to be focused on the actual software development part of the project.