

Team Grumio

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

Project Description:

Grumio's List is a web application that will allow you to search, share, and create recipes using ingredients of all types. Grumio's List will allow you to search for recipes based on ingredients so that way you can find recipes that you can make without having to take a trip to the grocery store. You can also share recipes that you have found or even made with other users, including your friends. This app also includes a fully-featured tagging system for recipe authors so users can have their recipes found commonly and so users can search for recipes more efficiently. This app will make it so that trying to make a meal is no longer a hassle of searching the web for recipes that you are unsure if you'll be able to make.

Assumption/Constraints:

- Web Application

Functional Requirements:

The system shall allow users to create recipes.

The system shall allow users to tag recipes.

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 users to create an account using a username and password

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 render a readable UI interface within 10 seconds 90% 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.

UI Documentation:

Recipe creation (VERY rough. Likely needs improvement (hopefully by somebody with more artistic ability)):

Recipe Name

Tags:

Ingredients

Cups ▼



Directions

1.



Search UI (Also very rough):

Search



Name:

Ingredients:

Tags:

Search

Recipe Browser UI

Grumio's List



Upload

Bookmarks

TestUser01

Sort by: Popular

	Beef Tacos Recipe by Neonlc ▲ 46 ▼ 3 Tags: Ground_Beef, Gluten_Free		Cheese Burger Recipe by BurgerMan45 ▲ 40 ▼ 5 Tags: Ground_Beef, Cheese, Vegetables
	Noodles Recipe by Peggie_Hill ▲ 38 ▼ 2 Tags: Gluten_Free, Vegetables		Mama's Soup Soup Recipe by mamabear0 ▲ 38 ▼ 7 Tags: High_Sodium
	Garden Salad Recipe by SaladChampion ▲ 35 ▼ 1 Tags: Keto, Gluten_Free		Boiled Fish Recipe by BoiledFishEnjoyer5667 ▲ 3 ▼ 17 Tags: Seafood, Savory

Recipe Viewer UI


Grumio's List



Upload

Bookmarks

TestUser01

	Beef Tacos Recipe by Neonlc ▲ 46 ▼ 3 Tags: Ground_Beef, Gluten_Free	Way back in the great war, my mother met this man who taught her his secret family recipe. In this recipe, I will be telling the great tale of how my mother survived multiple run ins from the government to get this recipe to America... Read more
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Recipe for Beef Tacos

Ingredients:

1. Item 1
2. Item 2
3. Item 3

Directions:

Cook Beef