

Functional

Posting Recipes

- The system shall allow users to post their own recipes.
- The system shall allow users to post images with their recipes.
- The system shall allow users to post tutorial videos with their recipes.
- The system shall track which user posted each recipe.
- The system shall allow users to see ratings from recipes they posted.
- The system shall allow users to see comments from recipes they posted.
- The system shall allow users to see how many people have viewed recipes they posted.
- The system shall track how many users view a recipe.
- The system shall allow users to add nutrition facts to their recipes.
- The system shall allow recipes to specify the brand of ingredients.
- The system shall allow ingredients to link to external store pages.
- The system shall allow users to tag their recipes with
 - Portion size
 - Estimated preparation time
 - Whether they are vegan or not
 - The recipe's country of origin
 - Whether they are pet friendly
 - The recipe's difficulty
 - Dietary restrictions they meet

Viewing Recipes

- The system shall allow users to comment on recipes.
- The system shall allow users to rate recipes.
- The system shall allow users to save recipes they find such that they can navigate to them from the home page within 10 seconds 95% of the time.

Finding Recipes

- The system shall allow users to search recipes by name.
- The system shall allow users to filter recipes by...
 - Portion size
 - Estimated preparation time
 - Whether they are vegan or not
 - Number of ingredients required
 - Whether they involve specific ingredients
 - The recipe's country of origin
 - The user who posted the recipe
 - Whether they are pet friendly
 - The recipe's difficulty
 - Dietary restrictions they meet
- The system shall allow users to sort recipes by...
 - Average rating
 - How recently they were posted

Number of ingredients required
Recipe name
The recipe's difficulty

Shopping Lists

The system shall allow users to create shopping lists.
The system shall allow users to add individual ingredients to their shopping lists from a recipe.
The system shall allow users to add all ingredients from a recipe to their shopping list.
The system shall allow advertisers to see users' shopping lists.

Other

The system shall allow advertisers to show ads to users.
The system shall allow users to log into accounts.
The system shall allow users to register for accounts.
The system shall

Non-Functional

The system shall load any given page within 5 seconds of a user navigating to it 95% of the time.
The system shall be able to handle 1,000 simultaneous inquiries 95% of the time.
The system shall backup all data such that at least 95% of content is preserved if the original database is wiped 99% of the time.
The system shall be compatible with the three most recent versions of Chrome, IE, Firefox, and Safari.
The system shall complete recipe post requests within 30 seconds of submission at least 98% of the time.
The system shall store images such that each takes less than 5 MB.
The system shall respond to recipe filtering requests within 5 second 99% of the time.
The system shall use HTTPS to communicate between components and the user.
The system shall prevent unauthorized users from seeing other users' data 99% of the time.
The system shall enforce that posted images be at least 124 x 124 in resolution.
The system shall enforce that posted videos be at least 160 x 120 in resolution.
The system shall enforce that posted videos be no more than 250MB in size.
The system shall