

Search Functionality

Given that the previous command line versions of this app included an option for search by ingredients, I think it would make sense to carry that over to this version of the app. In addition to that, I want to see if it would be possible for me to implement alternative methods of searching, namely by name and by difficulty.

Data Analysis

Bar Chart - A bar chart could be used to show what the cooking times of all the recipes would be, giving a quick and easy visual representation of the longest recipes. Alternatively, a slightly more complex chart could display what the most popular ingredient of all the recipes are, with the x axis corresponding to ingredients names and the y axis corresponding to the amount of times that ingredient has shown up in all the recipes.

Pie Chart - A pie chart can be used for showing the proportion of recipe difficulties across the database, with each slice of the pie representing one of the given difficulties and displaying what portion of the database has that difficulty.

Execution Flow

The general flow for a user of my recipe app will likely follow logic similar to this:

- Upon first landing on the site, they'll be greeted by the welcome page.
- They'll press the button on the homepage that takes them to the recipes list if they're logged in. They won't be logged in at first, so this will redirect them to the login page.
- On the login page, they'll put in their credentials and upon successfully logging in, they'll be redirected to the full list view of all the recipes.
- The full list view has a form that the user can use to search for particular recipes, either by name or by ingredients. Assuming they want to use this feature immediately, they can select the 'ingredient' filter type, then type in 'water' into the text field. Pressing the search button at this point will filter the list of recipes according to their preferences.
- With the list filtered down to the recipes available under the user's input, they can then click on one of the recipe's names to be redirected to the details page for that recipe.
- If the user is done using the app at that point, the details page conveniently includes a logout button that the user can use to log out of the site. Doing so redirects them to the logout view, informing them that they have successfully logged out.