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Task-2.7

**Search for Recipes**

1. Users can search for recipes by recipe name or ingredient. I am building the search files in my recipes app instead of my home(sales) app. It makes sense to have the search feature on the top of the page that has all the recipes. A lot of modern recipe websites are infinite scroll style.

**Data Analysis**

1. Bar chart: Most popular ingredients in recipes. Shows number of recipes that contain each ingredient. X-axis is ingredients, y-axis is number of recipes with ingredient(s), labels ingredient names.
2. Pie chart: Display difficulty levels. No x-axis & no y-axis. Labels are the difficulty levels.
3. Line chart: x-axis is Cooking time. Y-axis is number of recipes

**Execution flow**

Here is an outline a user’s journey (please also see the screen recording):

1. Homepage <http://127.0.0.1:8000>
2. Logs in <http://127.0.0.1:8000/login/>
3. Searches for a recipe(s) based on the **ingredient** name <http://127.0.0.1:8000/recipes/list/>
4. Sees the plots <http://127.0.0.1:8000/recipes/list/>
5. Checks details of a recipe with the ingredient <http://127.0.0.1:8000/recipes/list/3>
6. Back button
7. Searches for a recipe based on the **recipe** name sees the plots <http://127.0.0.1:8000/recipes/list/>
8. Checks details of the recipe <http://127.0.0.1:8000/recipes/list/2>
9. Back to main recipes page [http://127.0.0.1:8000/recipes/list/](http://127.0.0.1:8000/recipes/list/2)
10. Logs out <http://127.0.0.1:8000/logout/>