Task 2.7

Search for users

For users should be possible to search for:
- recipes
- ingredients
- other users (to check for example which recipes they created)
    - it will be implemented later

Ideas to implement this search method:
- 1. The search function should have a select tag, so the user can specify what they are looking for.
- 2. The users are searching for the whole name or a part of the name, and the filter method should sort the objects according to models.
    - First: Recipe
    - Second: Ingredient
    - Third: User (will be implemented later)

Data Analysis

The visualizations will be based on the user input.

User's choice when they search for recipes:

- Bar chart
    - When the user searches for recipes, a bar chart will display the name of the recipe on the X-axis, and how many ingredients are in the recipe on the Y-axis.

- Line chart
    - When the user searches for recipes, a line chart will show the cooking time of the found recipes. On the X-axis will be displayed the name of the recipe, and on the Y-axis the cooking time.

Chart when searching for ingredients:

- Pie chart
    - When the user searches for ingredients, a pie chart will display the single ingredients and how many times they occur in recipes. The label will highlight the name of the ingredient, and the chart will be shaped by the occurrences.

Execution flow

1. User lands on the homepage
2. Goes to Recipes with the help of the heading
3. Clicks on a recipe
4. Clicks on an ingredient within the recipe details
5. Goes to the Ingredients with the help of the heading
6. Clicks on an ingredient
7. Clicks on a recipe within the ingredient
8. User tries to go to search_view, it is a protected view, so they will land on the login page
9. Logs in
10. Clicks on the magnifier glass at the header
11. User searches for all recipes
12. Checks bar chart
13. Checks line chart
14. Searches for a recipe using only a part of the recipe name
15. Searches for all ingredients
16. Checks pie chart
17. Searches for a specific ingredient using only a part of the ingredient's name
18. Logs out
19. Heads back to the homepage