Task 2.7

The user may want to search for a specific recipe or search by the ingredients they have currently. It would make sense to let them search both for recipe name and ingredients in a search form. They may also want to filter by difficulty if they are not experienced cooks so created a dropdown with options to select different levels would be helpful.

Bar Chart:

Top Ingredients by Frequency: Display the most common ingredients across all recipes.

- X-axis: Ingredients (e.g., "Sugar", "Salt", "Flour").
- Y-axis: Number of times each ingredient appears in recipes.

Pie Chart:

Ingredient Usage Distribution: If you're comparing the use of specific ingredients across recipes, a pie chart could show the proportion of recipes that use certain key ingredients.

- Slices: Different ingredients.
- Size of each slice: Proportion of recipes using that ingredient.

Line Chart:

Cooking Time vs. Number of Ingredients: Display the relationship between the number of ingredients in a recipe and the time it takes to cook.

- **X-axis**: Number of ingredients (e.g., 3, 5, 8).
- **Y-axis**: Cooking time in minutes (e.g., 10 min, 30 min).

Recipe User Flow

User enters sign in page

User logs in

User enters home page

User filters by difficulty

User searches for recipe name

User searches by ingredient

User enters recipe page

User logs out