

Task 2.7

Take some time to think of what you want users to search for, the criterion for search, and format of output.

Users should be able to search by:

- name, and partial (parts) of name
- ingredient(s)
- difficulty

Data Analysis

Note down at least one visualization using a bar, pie, and line chart (at least one for each). For each of the scenarios, identify the x- and y- axes and labels (if any). Also determine if you want charts to be displayed based on user input or simply to provide them at your own discretion

Bar graph: Recipe by Cooking Time

- X-axis – Recipe Name
- Y-axis – Cooking time

Pie chart: Recipe by Difficulty

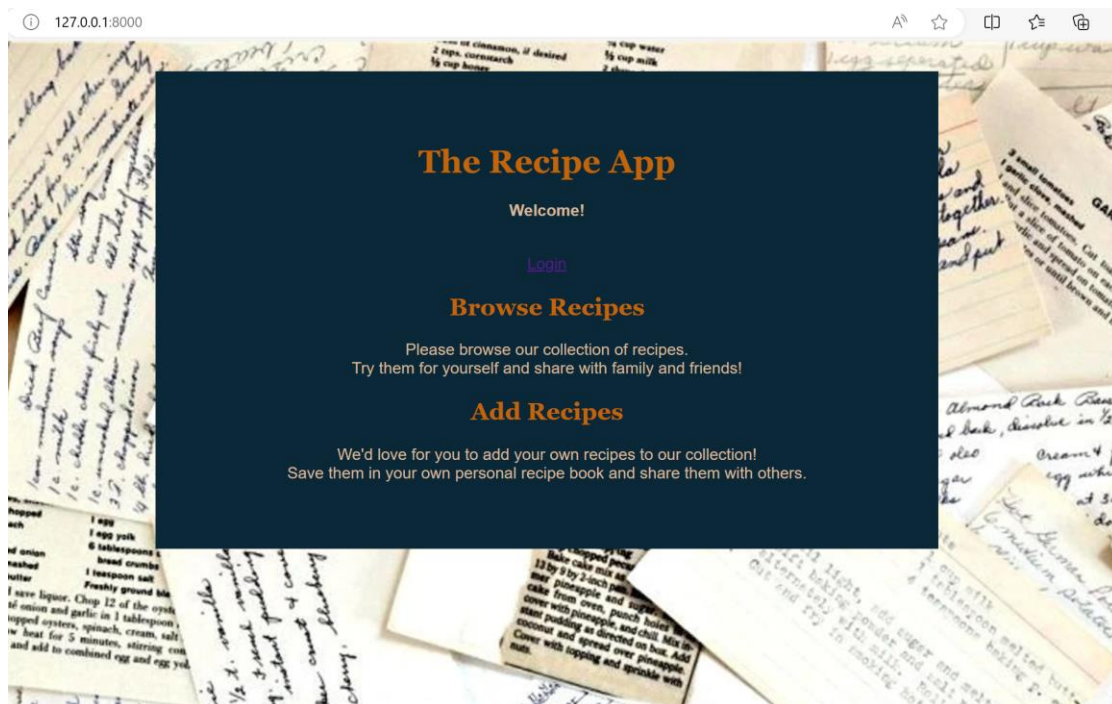
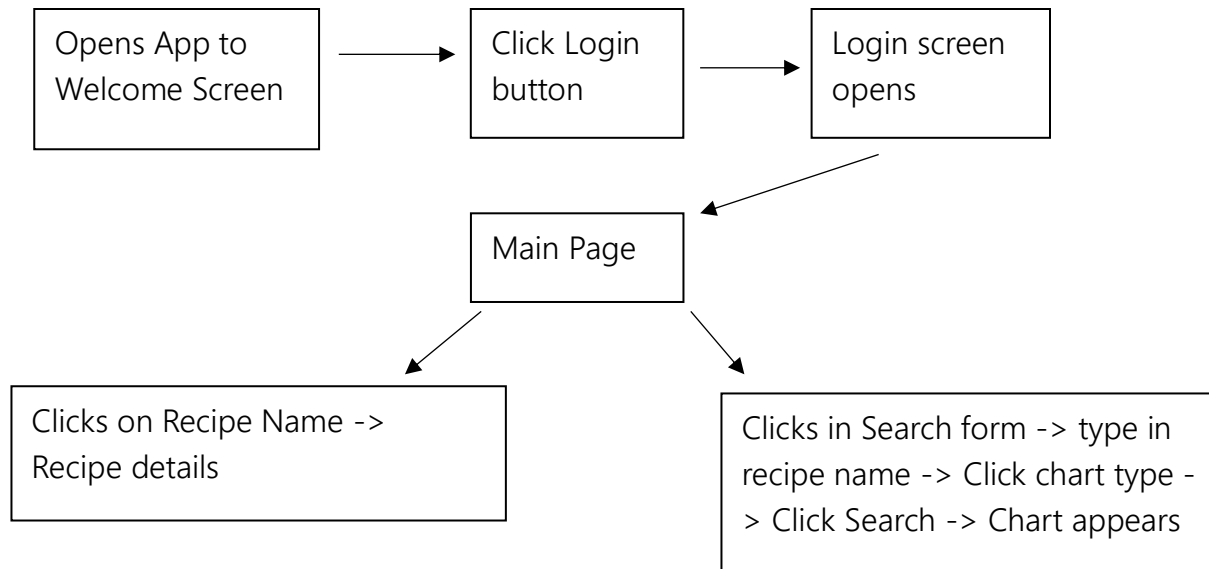
- Easy, Medium, Intermediate, Hard per the recipe distribution
- Percentages on each piece

Line Chart: Recipes by Number of Ingredients

- X-axis – Recipe Name
- Y-axis – number of ingredients in recipe

Execution Flow

Think of the user's journey from the moment they land on the homepage, considering all the different navigation possibilities and search options. For example, a user lands on the homepage, logs in to the account, searches for a recipe based on a recent date, sees the plots, checks details, and then logs out. Represent this journey as a flow chart.



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127.0.0.1:8000/login/

Login

Username:




Password:

Login

📘 127.0.0.1:8000/recipes/🔍

Recipe List

[Logout](#)

Recipe Name	Recipe Images
Bacon Wrapped Jalapenos	
Churros	
Energy Bites	

Recipe Details: Bacon Wrapped Jalapenos

Name:

Bacon Wrapped Jalapenos

Cooking Time:

25.0

Ingredients:

Bacon, cream cheese, jalapenos

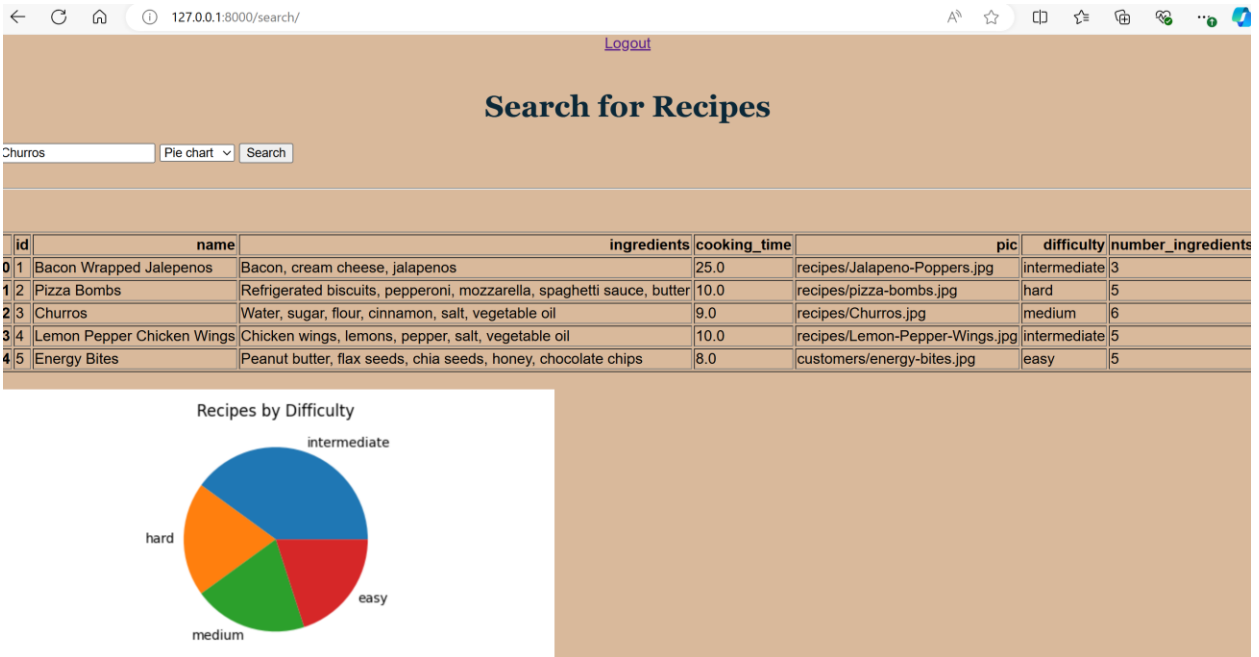
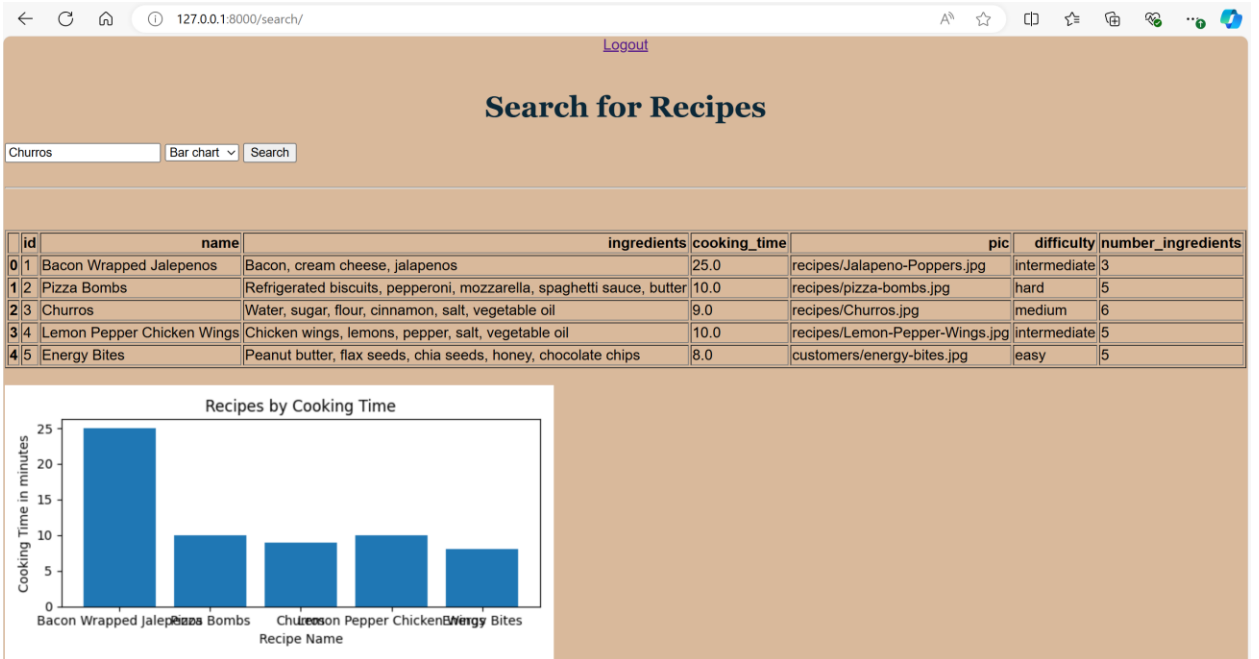
Difficulty:

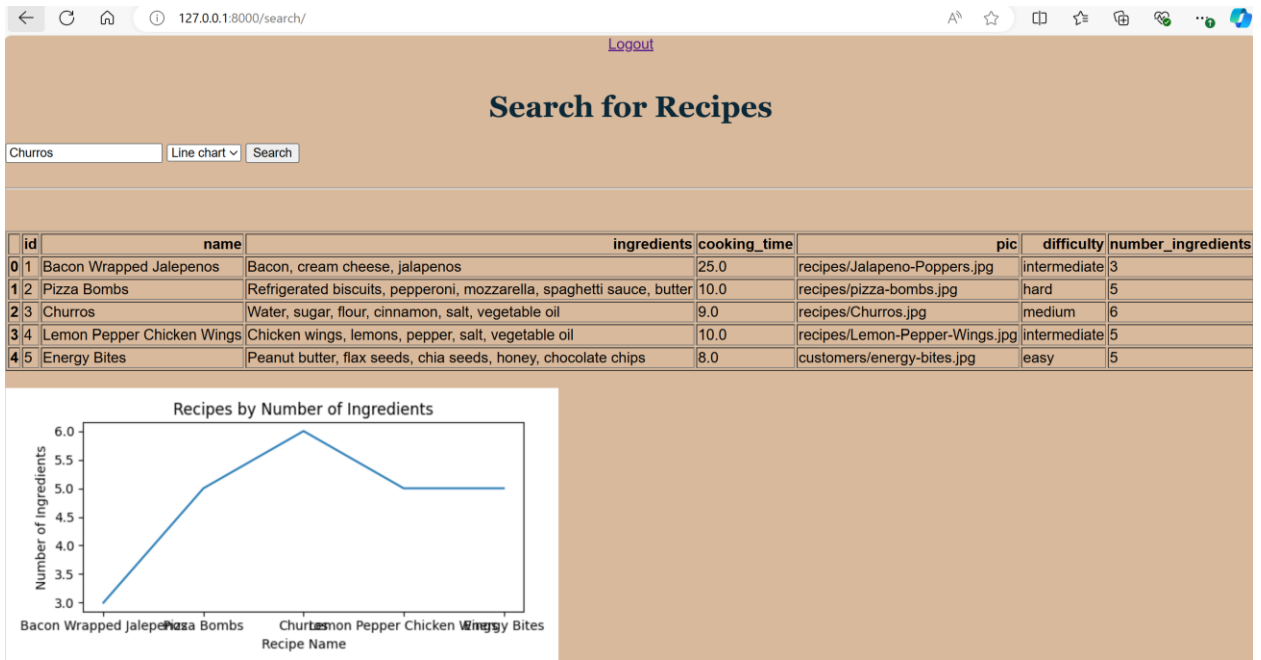
intermediate



Search for Recipes

No Data Found





Thanks for visiting!

You have been successfully logged out

We will see you next time!

Logged out by mistake? Log back in to continue

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