

Task 2.7

Search Criterion:

The user can search for the recipes based on their names. The user can enter the search query and recipes with similar or same names are then returned and displayed to the user. My implementation of search in the task also uses this criteria.

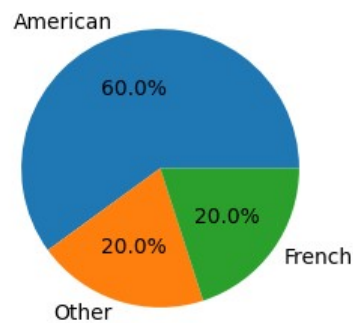
Data Visualization:

I implemented 3 graphs/charts. A line chart for the time required for recipes to cook. A bar chart to display the number of ingredient used in all of the recipes and finally a pie chart to display the percentage of cuisines that make up the entire recipe database.

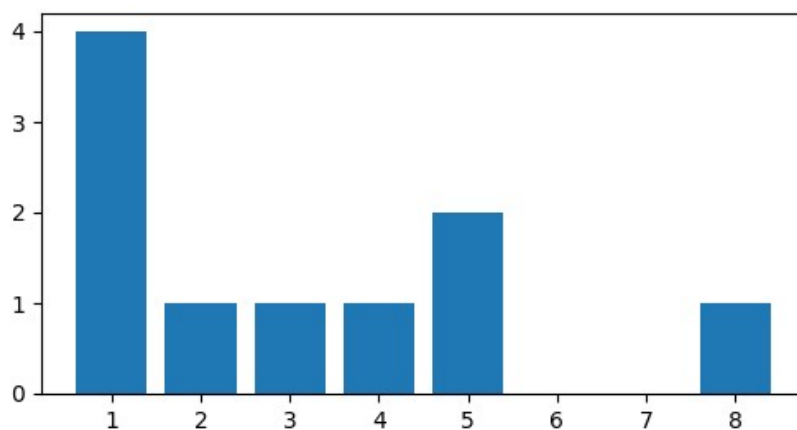
In my app, I have made a separate view for the charts. User can visit that page and view these statistics. The statistics will change as recipes are added/removed from the database.

Pie Chart:

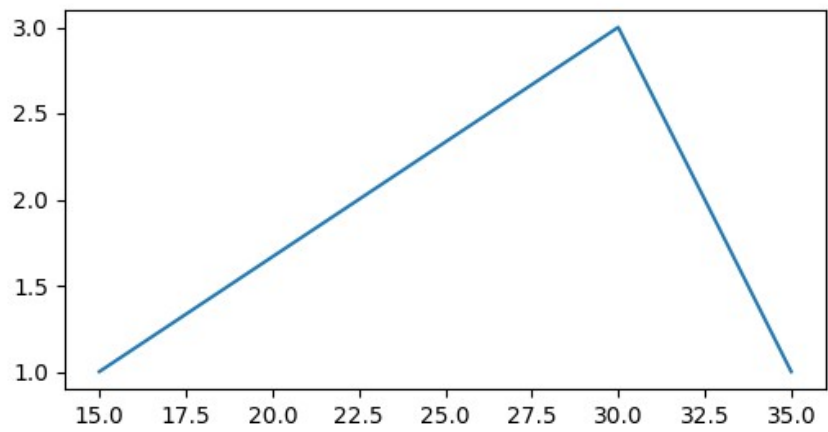
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Bar Chart:



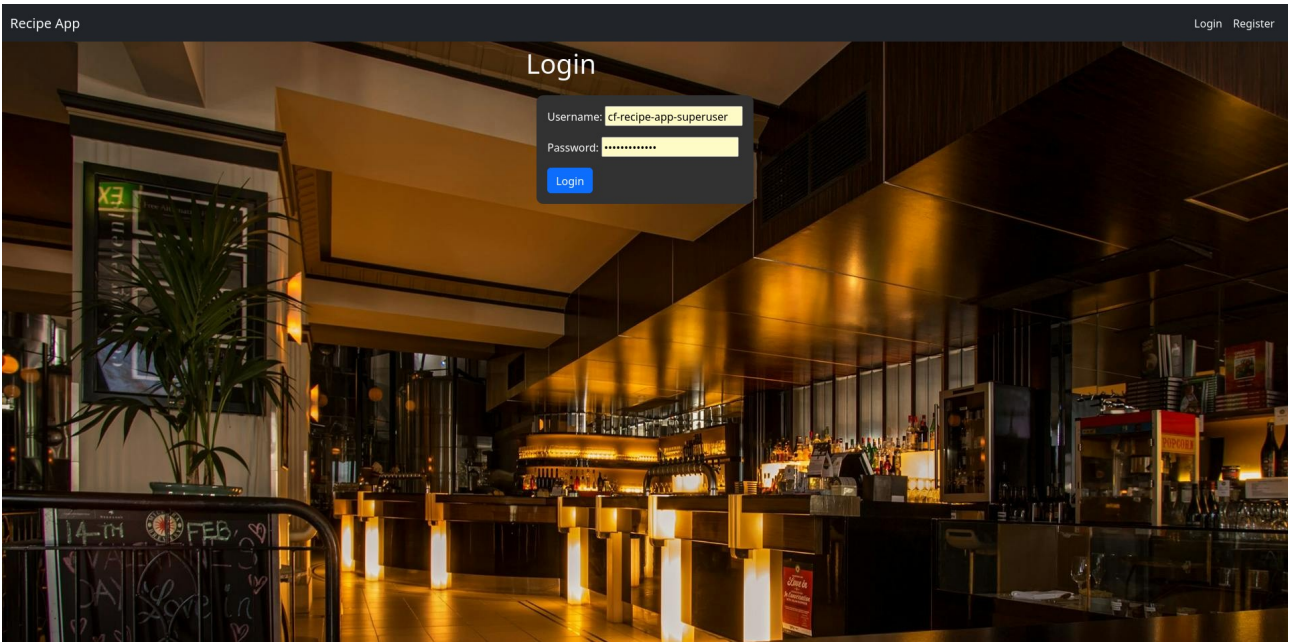
Line Char:



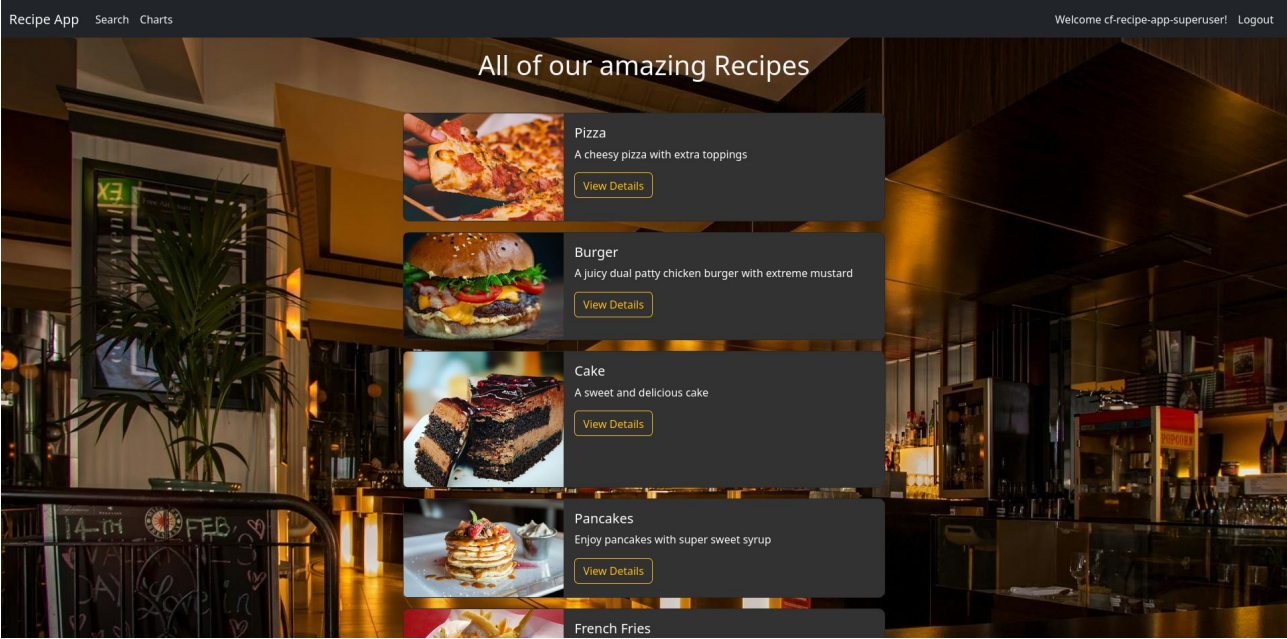
Execution Flow:

The complete execution flow of the application from the start is as follows.

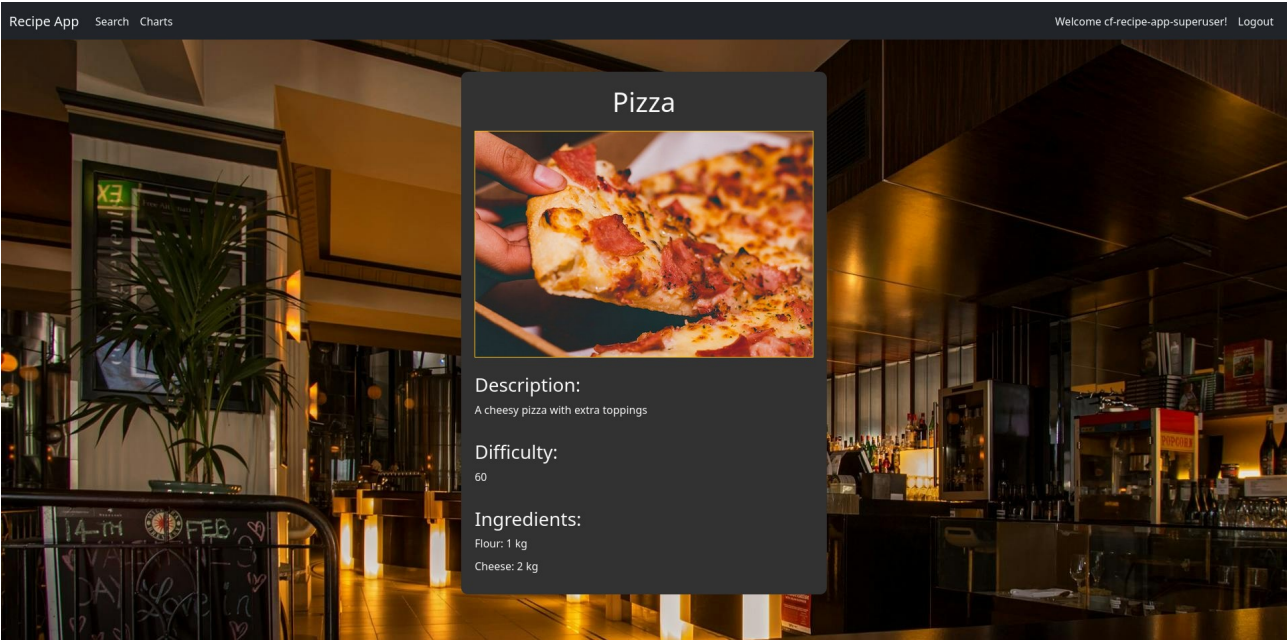
1. Login



2. Home Page



3. Recipe Details



4. Searching

Recipe App

Search

Charts

Welcome cf-recipe-app-superuser!Logout

Search

Search for a recipe...

Search

Name	Description	Cuisine	Time
Pizza	A cheesy pizza with extra toppings	American	30
Pancakes	Enjoy pancakes with super sweet syrup	Other	30

5. Data Analysis

Recipe App

Search

Charts

Welcome cf-recipe-app-superuser!Logout

Charts

Pie Chart

Cuisine	Percentage
American	60.0%
French	20.0%
Other	20.0%

Bar Chart

Recipe ID	Frequency
1	4
2	1
3	1
4	1
5	2
6	0
7	0
8	1



6. Logout

