

Implement Search Functionality for Recipe App

I am adding a new feature to this Recipe App — Search Using Recipe difficulty level. Using this feature, users should be able to choose the difficulty level of recipes from the database and the type of chart they want to display.



According to the search criteria entered by the user (recipe difficulty and chart type) the app should extract the recipes needed from the database as QuerySet, convert the QuerySet to pandas DataFrame and display the results as a table.

A screenshot of the same web application showing the results of a search. The search criteria remain the same: 'Easy' difficulty and 'Bar chart' type. The results are presented in a table with the following columns: id, name, cooking_time, ingredients, description, and pic. There are five rows of data, each representing a different recipe:

Data Analysis

The app also gives data visualization on the search page using ‘matplotlib’ library. According to the chart type chosen by the user, it displays a chart of the recipes searched for names against their respective cooking times. The following images are the charts of recipes on the database with ‘intermediate’ difficulty and their cooking times compared.

