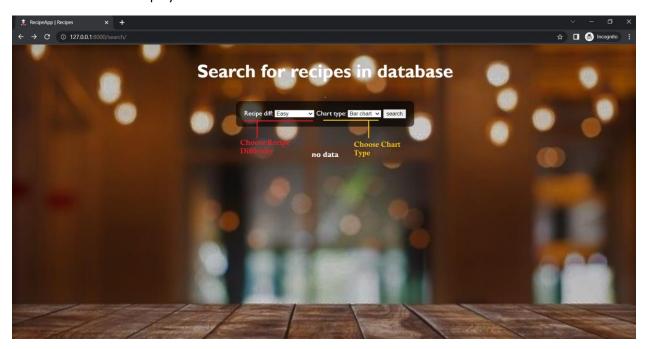
Implement Search Functionality for Recipe App

On this Recipe App I am adding new feature – Search Using Recipe difficulty level. Using this feature users should be able to choose difficulty level of recipes from the database and the type of chart they want the data to be displayed on.



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 table.

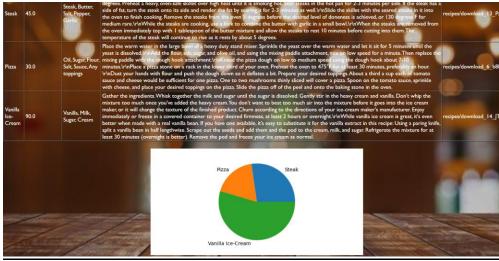


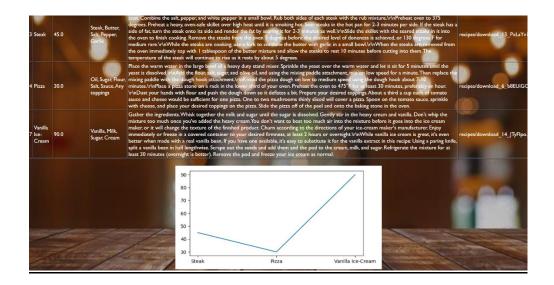
On the above image, I have chosen 'intermediate' difficulty level on the form and the app displayed three recipes with 'intermediate' difficulties to cook.

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 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.







User Flow











