CFG Final project: Recipe Search

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Our project

We chose option 2, a search programme drawing from Edamam’s recipe search API database. Food is close to both of our hearts, with Paula an ex chef and Sarah a keen foodie, so it was the natural choice.

MoSCoW analysis

MUST:

Read the Edamam API documentation

Ask the user to enter an ingredient that they want to search for

Create a function that makes a request to the Edamam API with the required ingredient as part of the search query

Get the returned recipes from the API response

Display the recipes for each search result

SHOULD:

Perform additional functions not stated in ‘must’ section

Follow best practices on code hygiene and organisation

Function in a manner that optimises ease and utility for the user

COULD:

Utilise more of the API’s functionality to filter by calories, meal type, cuisine, dietary requirements or health labels.

Save the recipes to a file.

WON'T:

Have bugs

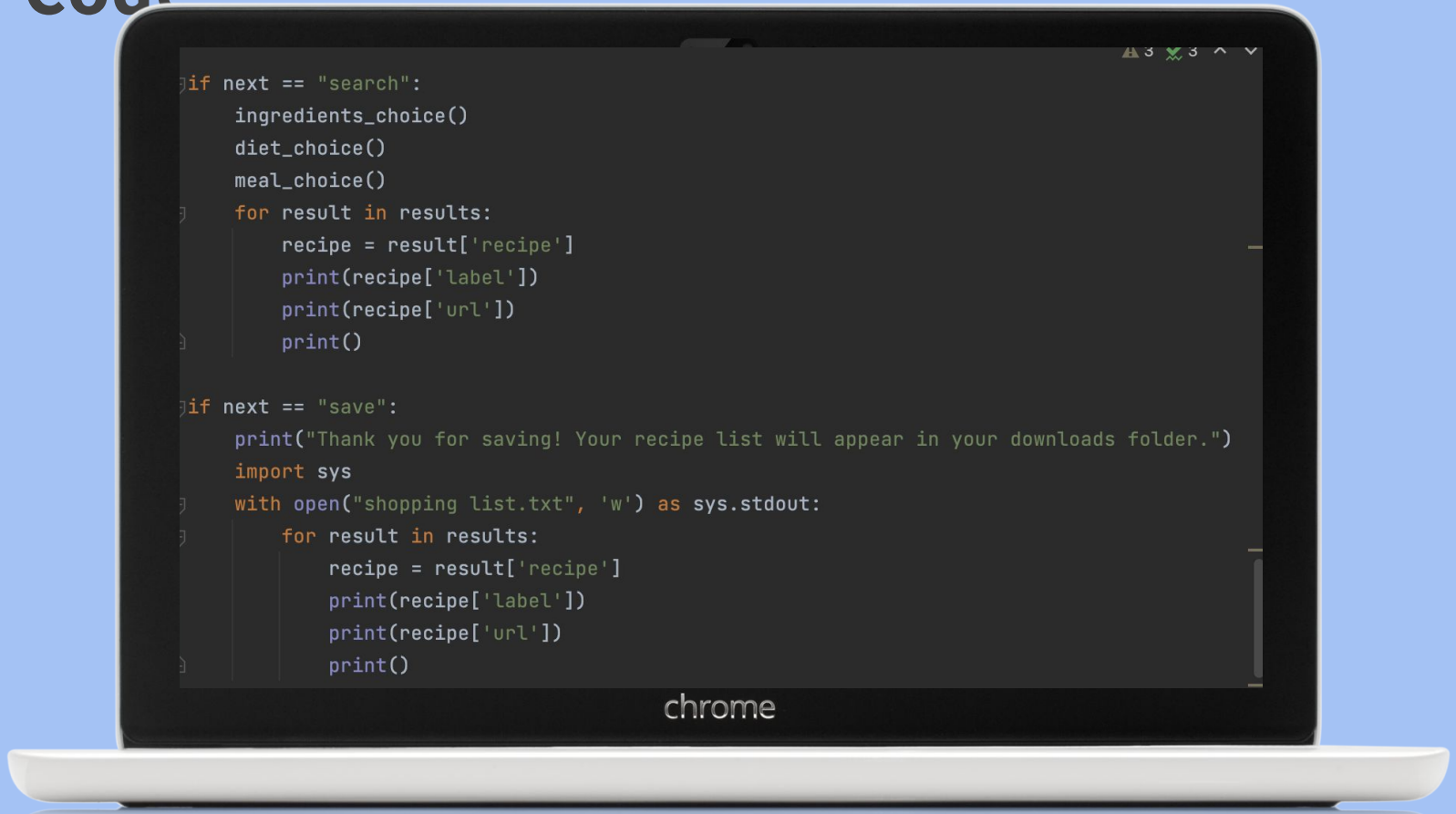
Draw from a secondary API

Expanding our programme

We expanded our programme by creating functions that:

- Allowed the user to enter as many ingredients as they like
- Utilised the ‘meal type’ categorisation within the API to allow the user to specify whether they will be serving their meal for *Breakfast, Lunch, Dinner or a Snack.*
- Used the ‘diet labels’ category to allow the user to disclose any dietary requirements from *Gluten-free, FODMAP-free, Paleo, Vegan or Vegetarian*
- Once the search is complete, we allow the user to search again, or to save their recipe list to a text file

Our Code


if next == "search":
ingredients_choice()
diet_choice()
meal_choice()
for result in results:
recipe = result['recipe']
print(recipe['label'])
print(recipe['url'])
print()
if next == "save":
print("Thank you for saving! Your recipe list will appear in your downloads folder.")
import sys
with open("shopping list.txt", 'w') as sys.stdout:
for result in results:
recipe = result['recipe']
print(recipe['label'])
print(recipe['url'])
print()
chrome

Reflections

Original plan

The original plan was to create a recipe search project that allowed the user to search for up to three ingredients and also refine the search by choosing which meal of the day and diet restrictions they required.

Challenges

We had some challenges when we created the functions as they needed to be filter the results by meal type and diet restrictions, but we managed with the help of our instructors and did research to figure it out.

Further expansion

After completing our original plan we decided to expand it further, allowing the user to search for as many ingredients as they wanted, start a fresh search, and save their recipes list.

```
print: (“Thank you for listening!”)
```

CODE FIRST GIRLS