

MoSCoW Prioritisation

Prioritisation	Search	Display
Must	<ul style="list-style-type: none">• Search by an ingredient• Use an API to retrieve the information	<ul style="list-style-type: none">• Display the recipe and other ingredients
Should	<ul style="list-style-type: none">• Search by multiple ingredients• Specify allergens when searching	<ul style="list-style-type: none">• Display the amount of time to make recipe• Display macronutrients quantities (protein/carbohydrates/fat)• Display an image of the recipe
Could	<ul style="list-style-type: none">• Narrow down search by running second search for additional ingredients the recipe should have OR also ingredients the recipe should not have• Search by calorie range	<ul style="list-style-type: none">• Display level of difficulty• Display number of servings• Display links to where to buy ingredients• Display reviews of the recipe• Display links to videos on how to make the dish
will not		

*Highlighted in yellow was achieved

Features of the app

Using the Edamam Recipe Search API the app:-

- Allows the user to search by an ingredient
- Allows the user to specify a maximum number of ingredients (to give an indication of how hard/easy the recipe is)
- Calculates the calories per serving
- Calculates the amount of carbohydrates per serving
- Calculates the amount of fat per serving
- Calculates the amount of protein per serving
- Export the recipe name(s), id, ingredients, number of servings, nutritional information per serving (as calculated) to a txt file called recipes.txt in a human readable format
- Downloads the image(s) of the recipes as a png file and names these by the recipe name

New things I learned

- Consolidated what we have been taught in the course (user input, for loops, lists, dictionaries, data types, calculations, APIs)
- Hands on experience of using an API
- Reading API documentation
- Constructing a query URL
- Downloading an image from a URL
- Using Google to find answers to stuff
- Finally worked on a coding project!

Challenges

- When asking additional questions for the search, the search returns an error if the user does input a value. Need to build the query URL based on user input. This may be more relevant when specifying allergens
- Ran into issues creating a new file and writing to it. Therefore had to create a file first and then append to it
- Some searches return an error message due to encoding issues

Future Considerations (short-term)

- Enhance the searching facility to put in additional criteria as detailed in the MoSCoW prioritisation
- Debug the encoding issues
- Explore other APIs
- Refactor my code so it looks cleaner

Future Considerations (long-term)

- Build a front end to the app