‘Is it Worth it?’

Food and Fitness Tracker

Ever wondered how long that cookie would take to burn off through exercise? Consider yourself a masochist? If so, then **“Is it Worth it?”** is likely the application for you. Open Pandora’s Box and ruin your enjoyment of food forever after with this one-stop shop health and nutritional tool.

Concept

- Our project allows a user to simply input a snack, meal, or favourite type of food, and then returns a two-fold response. The first feature serves to retrieve and display potential recipes for the user to make use of. The application will then tell you how long it would take to burn off the selected meal or snack through exercise based off the calories contained in that food, so that an informed decision can be made as to whether or not its nutritional value aligns with their current health and fitness goals (aka, is it ‘worth it’?).

  The motivation for this came from our own interests. Fardowsa came up with the core concept, after bandying about a few other potential ideas like a movie suggestion generator based off of preferred genres. But ultimately, food and satiating our bellies proved a greater calling! The idea was to both provide a useful tool in a nutritional sense whilst also lightly lampooning the wider health industries demonisation of ‘snacking’ and food choices on the likes of social media.

User Story

As a User, when I load the web page,

I am presented with a form that prompts me to input a recipe name/dish of choice.

When I search for the recipe by clicking on the button,

I am presented with a card that dynamically displays the recipe label and associated image for said dish, along with the corresponding calories per portion for this particular recipe. A link to the full Recipe URL is also provided if the user requires more in-depth instructions or nutritional information.

As a User, a second card should display alongside our primary recipe information when I input my dish of choice, informing me of the approximate amount of time it would take to burn off a standard portion of this recipe though moderately paced running.

Process

Technologies used :

- https://developer.edamam.com/edamam-docs-recipe-api **(WEB API)**
- https://api-ninjas.com/api/caloriesburned **(WEB API)**
- https://fontawesome.com/ **(CSS FONT & ICON TOOLKIT)**
- https://jquery.com/ **(JAVASCRIPT FRAMEWORK)**
- https://tailwindcss.com/ **(CSS FRAMEWORK)**

Breakdown of tasks and roles:

HTML & CSS - Predominately Graham & Zara

Javascript - Predominantly Tomasz & Lewis

Process (Cont)

SUCCESSES

- Defining and meeting our MVP within a realistic timeframe whilst still allowing individual project members the space and time to reinforce, test and deploy areas of code that they didn't feel as comfortable with initially (javaScript functionality, parsing documentation, applying a CSS Framework to pre-existing HTML).
- Creating a simple yet intuitive UI/UX for the user.
- Keeping potential clutter to a minimum/prioritising legibility through the dynamic creation of the majority of our HTML within the scope of our javaScript.

CHALLENGES

- Time constraints - limiting the scope of our application to what was feasible within the time allocated and what our level of coding experience allowed wasn't always immediately apparent when we first began hardcoding our application (aka not conflating vision with execution).
- Generating much of the HTML through javaScript was meant to display a greater degree of complexity in our code than simply creating those elements within the HTML. However, whilst this makes our code more scalable from a true production perspective (generating on an iterative basis), it did make our application of the Tailwind Framework / CSS Styling more complex as it had to be split between both the hardcoded elements in our index.html and those produced in script.js.

Link to deployed Application:

'Is it Worth it?'

Directions for Future Development

Expand the scope of our application - the Wireframe we created in Figma was far more ambitious, and featured these additional features and functionalities:

- Display more of the Recipe APIs' returned data directly in the HTML - nutritional information, recipe instructions, etc. We have currently compromised with a link to the full URL of the recipe where further information is required by the user.
- Further interactivity - using our iterative for loop to return 3 recipes and append them to our HTML dynamically. We currently have our code returning only a single dish, and the Recipe API (likely as a result of its free status) is inconsistent and ill-defined in what recipes it returns. Some are duds, and 3 would improve user choice and satisfaction.
- Likewise, we have hardcoded a single, set exercise into the parameters of our second API's fetch request. With more time, we would have preferred this API to have been utilised in a similar manner to the first by allowing for user input and multiple returns. This API is also inconsistent in the forms of exercise it will recognise and return.

Links

- https://github.com/TP4458/Bootcamp-Project-1
- https://tp4458.github.io/Bootcamp-Project-1/