Website Planning Document

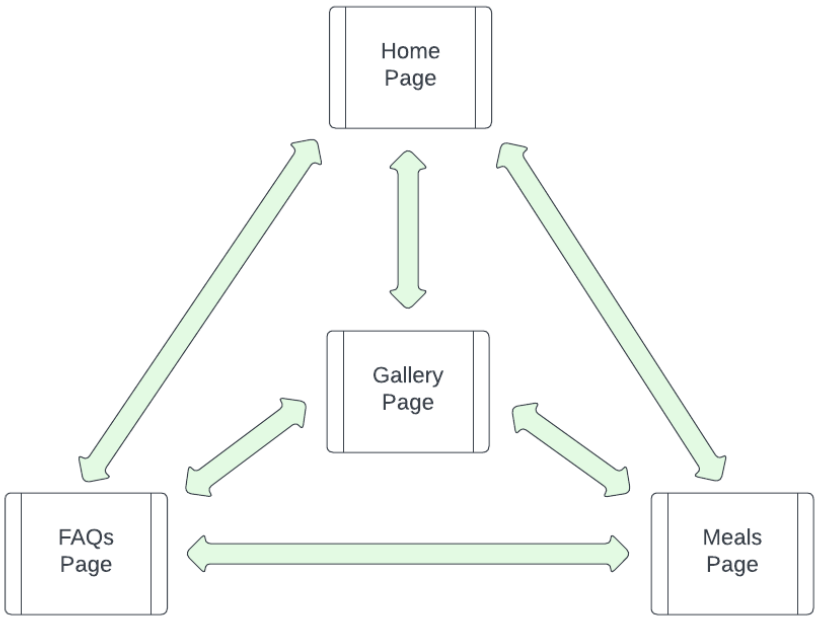
Introduction:

The link to the website can be found here: https://djonskanlyn.github.io/index.html

The link to the github for the project can be found here:
https://github.com/djonskanlyn/djonskanlyn.github.io

The website has a health and fitness theme and has 4 web pages.

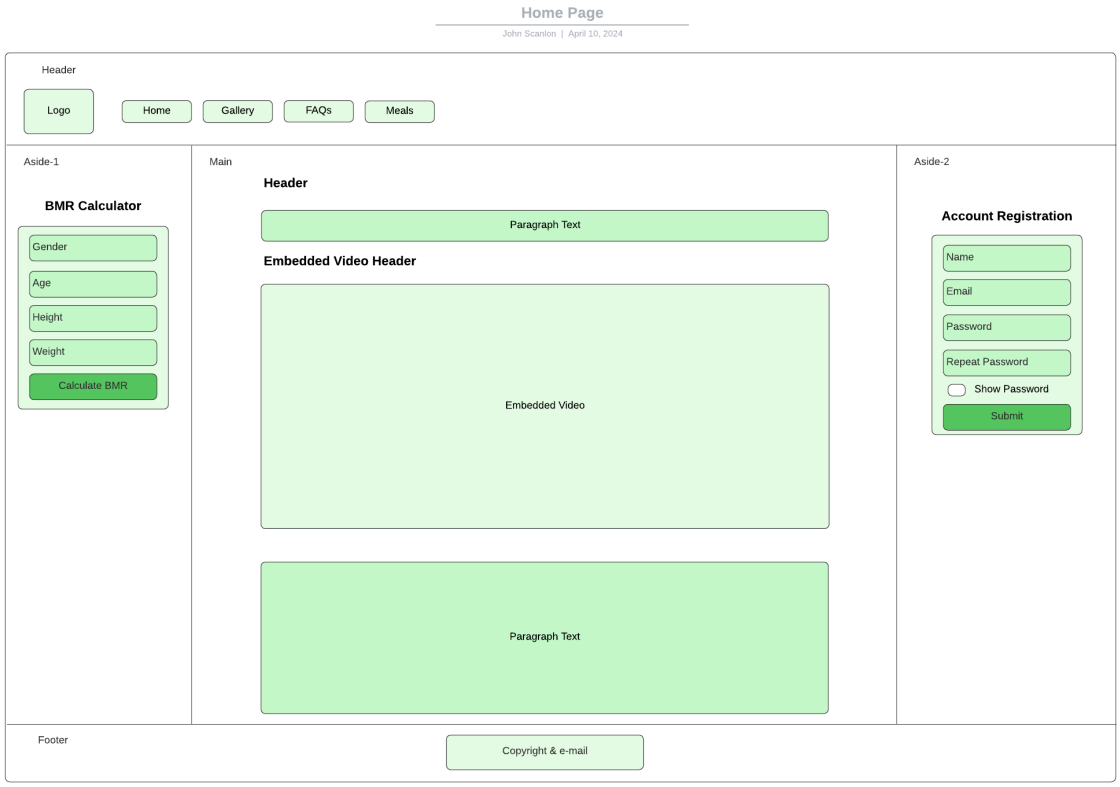
Site-map / Website Flowchart



The general page structure is the same for all 4pages. Each page is split into 5 sections (header, main, aside-1, aside-2, and footer) using flex-box styling. The footer on each page has a copyright marker and the author's e-mail.

- There is a common background image for all pages.
- There is a common css file (style.css) styling all pages loaded through the header of the base.html file.
- There is also a common javascript file (script.js) that loads a common logo in the header of all the webpages using appendChild().
- Additionally, the navigation links are added to the header using the script.js file using appendChild().

Home Page:



The Home page has:

- A short paragraph about the website.
- An embedded Youtube video explaining what the BMR is to users.
- A paragraph of text on the BMR.
- A **BMR calculator** that asks the user to select their gender, and enter their age, height and weight.

  There are validations on age (between 16yo & 90yo); height (between 1.25m & 2.5m); and weight (between 40kg & 160kg).

  Hitting the calculate button triggers the validations.

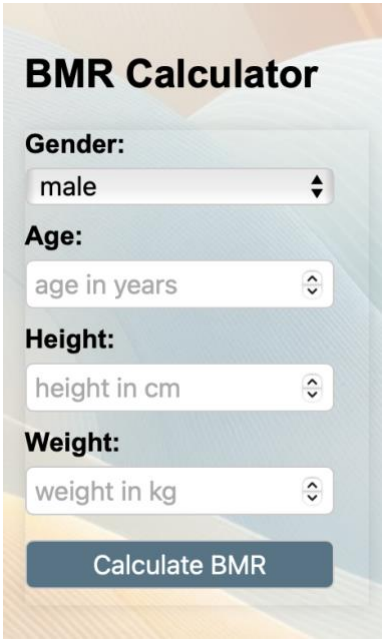
  If there are validation issues the issue will appear in red below the calculator.

  If the validations are passed the BMR will appear in green below the calculator.

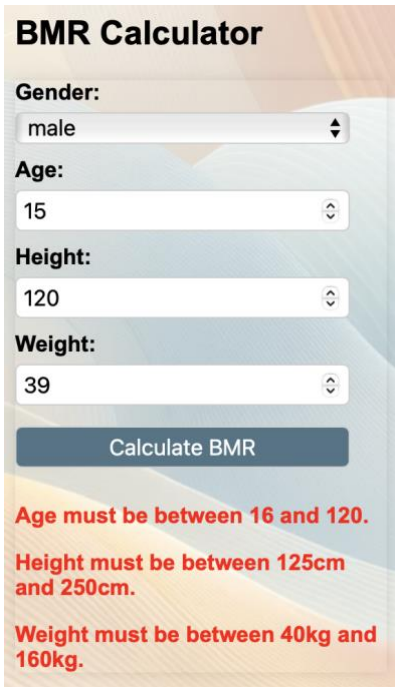
  All the interactive functionality is facilitated with javascript code. The “calculator.js” script is the source of the code for the BMR calculator.

Any data entered in the calculator is monitored and saved in the local storage of the webpage and will remain in the case of a page refresh.

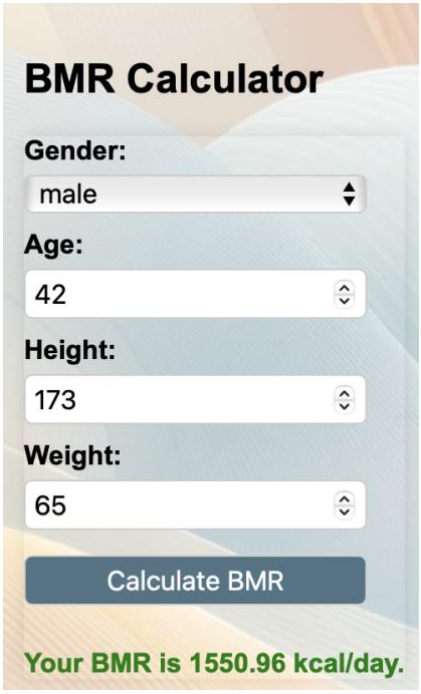
- Calculator with no data entered (on load)



- When all validations fail (comments added via document.getElementById().InnerText)



- When all validations pass (comments added via document.getElementById().InnerText)



- The **Registration Form** asks the user for their name; e-mail address; and asks them to create a password, which must be repeated.

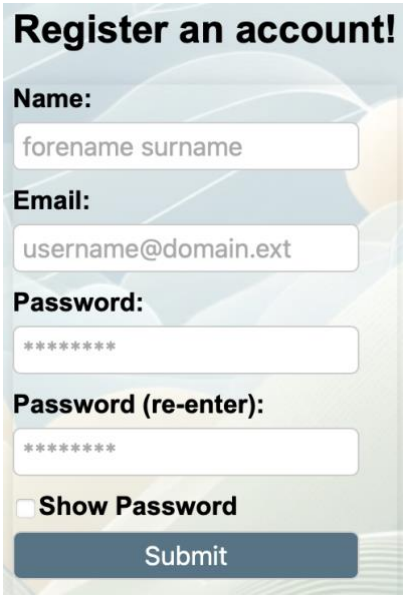
  There is a check box that will show the password characters if checked.

  The validations for the form include:

  - checking that all 4 inputs are populated;
  - checking that a valid e-mail is submitted;
  - checking that the password has at least 8 characters and contains at least 1 lowercase character, 1 uppercase character, 1 number and 1 special character.
  - checking that both password submissions match.
  - If there are validation issues the issue will appear in red below the registration form. If the validations are passed a success message will appear in green below the calculator.

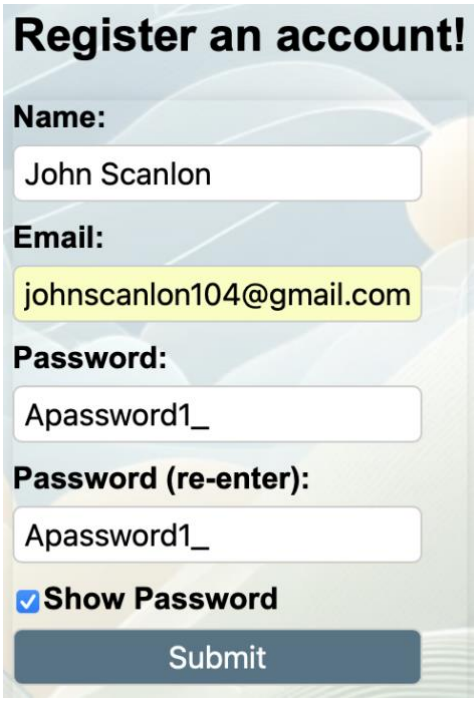
  Any data entered in the registration form is monitored and saved in the local storage of the webpage and will remain in the case of a page refresh.

- On page load

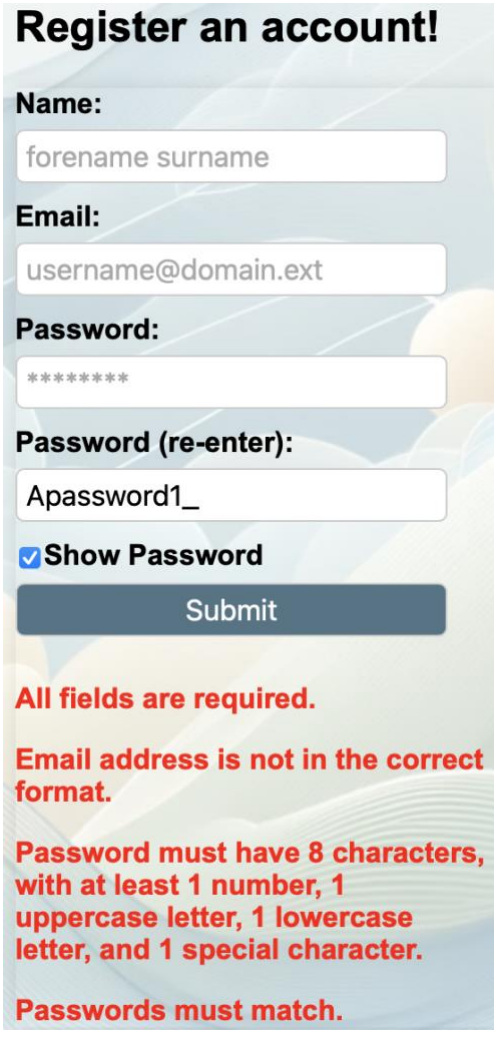


- when populated (show password box not checked)

- when populated (show password box checked)

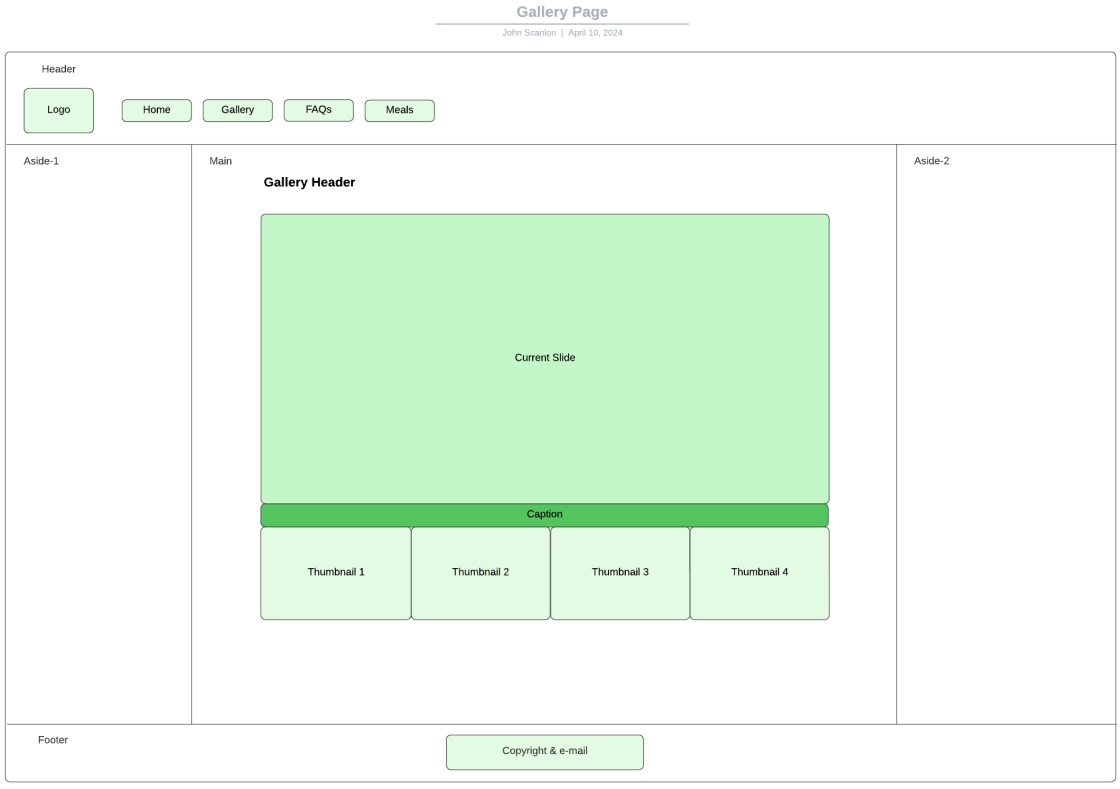


- failed submission (with all possible error messages)

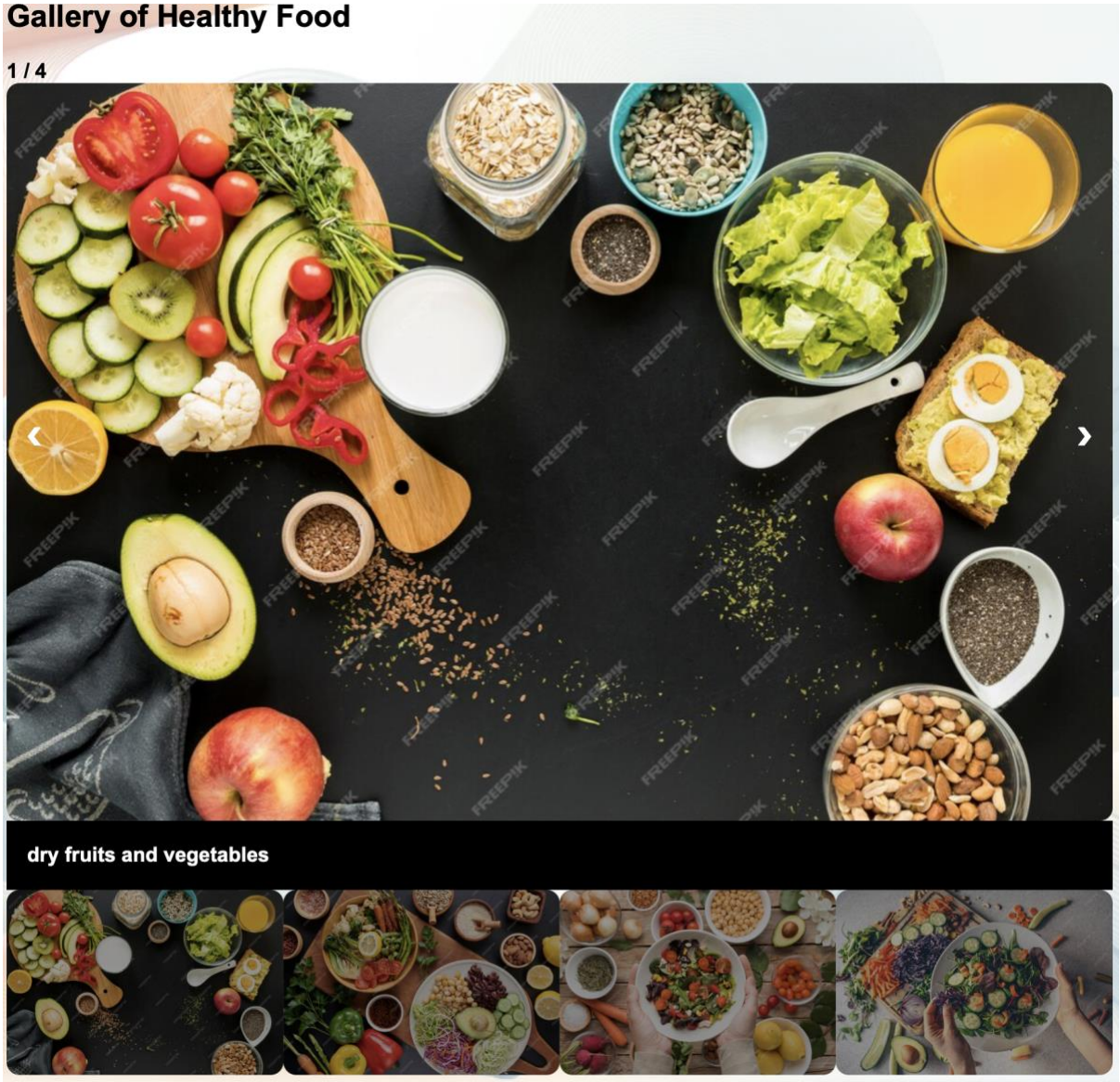


- successful submission

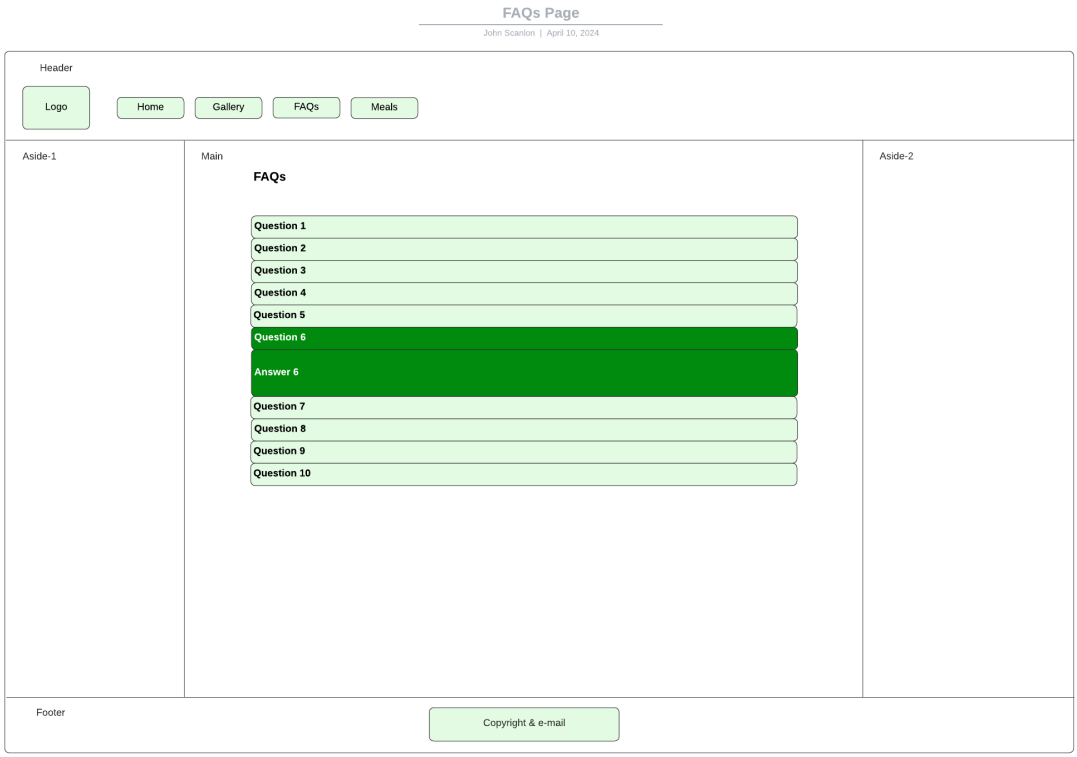
Gallery Page:



- The Gallery page consists of a gallery with a slideshow format of 4 images of health food.
- There is a main image of the selected thumbnail.
- Underneath is a caption of the selected image.
- Beneath the caption are thumbs of all the available images.
- The main image can be selected by navigating to the thumb or using the previous/next buttons at the edges of the main image.
- The thumbs lighten when the cursor hoovers over them.
- There is a gallery.js file that facilitates the interactive functionality of the webpage.



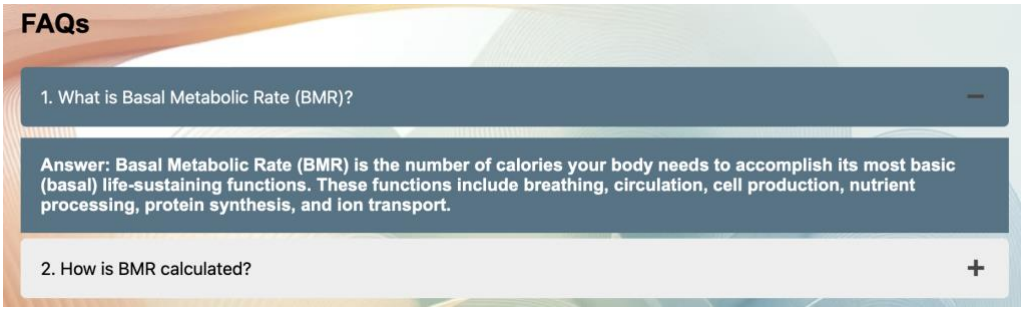
FAQs Page:



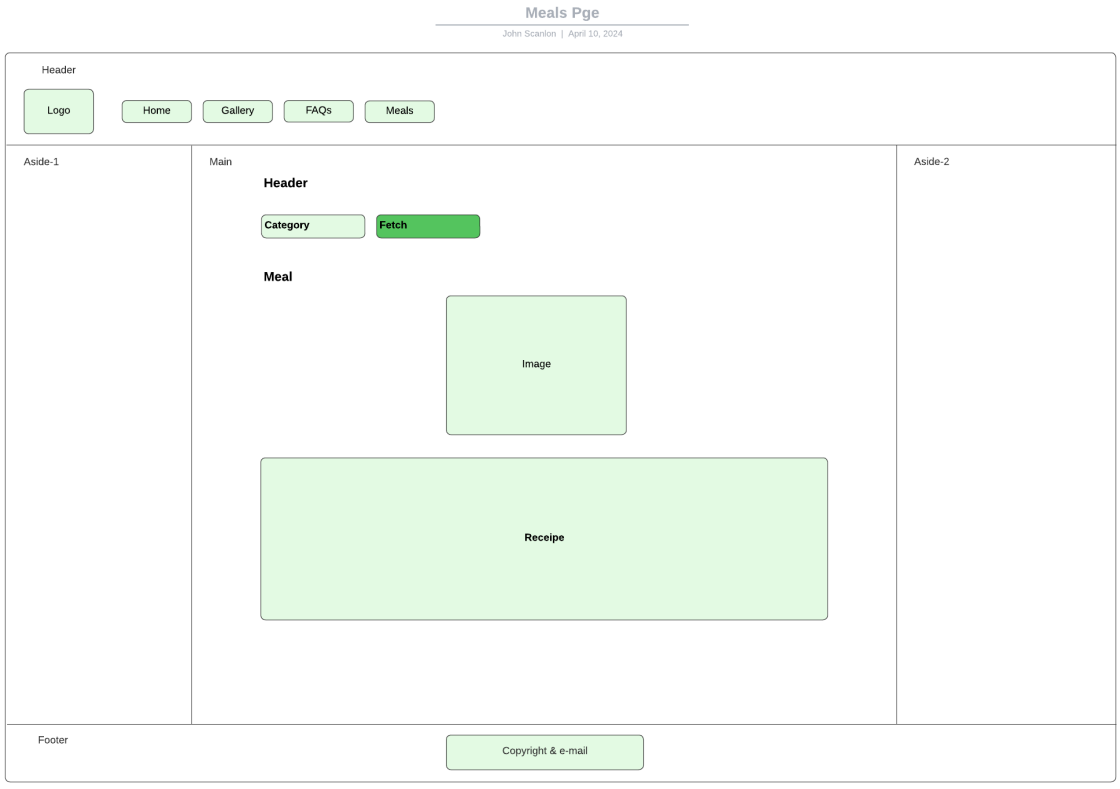
- The FAQs page consists of 10 questions and answers on the BMR in an accordion format (expand/collapse answer format)
- Each question loads collapsed; where there is a “+” symbol to expand the answer.
- When the answer is expanded the colour of the question darkens and a “minus” button appears to collapse the answer.
- There is an accordion.js file that facilitates the interactive functionality of the webpage.

    - Collapsed answers

- Expanded question 1



Meals Page:



- The Meals page is linked to a meals database API the details of which can be found at this link: https://www.themealdb.com/api.php
- The “generate a random meal” button fetches data from the API using the meals_api.js file to facilitate the data pull.
- The user selects a meal category (but the default is beef) and clicks the fetch button.
- The script selects a random recipe for that category of meal and populates the page with the recipe name, an image of the meal and the cooking instructions.

- Meals page on loading (note default category)

- Meals page post fetch