PRoject report

recipe website

A blue and black logo

Description automatically generated

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# Introduction

This project was a chance to dive into the world of web development, applying what we've learned in our studies to build something from scratch and add some more.

In this report, we'll walk you through our process, from planning to execution. Our goal was to create a website that not only showcases our skills, but also reflects our interests in web development, self-development, and creativity.

The file includes folder (extras) with few more JavaScript codes for better user interface and interaction with a website. These extras were our attemps to learn and discover other functions in JavaScript. These extras were done in our spare time with a lot of research done. We don´t claim that as our work, it was done for learning purposes.

# Description of aspects used

btn-send.js

***Validation Function:*** The core functionality of the btn-send code is a function named validateEmail(), which is responsible for validating an entered email address.

**Error and Success Messages:** Two variables, errorMessage, and successMessage, are used to store messages for validation success or failure. The message will pop up in alert() box.

***Accessing Input Values***: The function stores the value entered in an input field with the ID *input-field* and stores it in the variable *input*. Additionally, it selects input fields with the class *input-field* and stores them in the variable text.

***Clearing Input Fields:*** The function clears the values of input when the email address is successfully validated.Modifications Made:

***Includes:*** Extended error handling to cover cases where the input doesn't contain the '@' character. We still can add other characters into the field but the code will search for @ sign. (OpenAI's ChatGPT AI language model)

rating.js

***Function for Calculating Rating***: The provided JavaScript function Calculate(recipe) calculates the overall rating for a specific recipe based on the number of stars selected by the user.

***Accessing DOM Elements:*** Using document.getElementById() we get the elements that are in our HTML. Each star's checked status is retrieved using the *.checked* (OpenAI's ChatGPT AI language model) property.

***Calculating Total Stars:*** The function calculates the total rating by multiplying the number of stars selected for each rating (from one star to five stars).

***Displaying Result:*** The calculated total rating is displayed in the HTML element with an ID specific to the recipe using innerHTML.

portions.js

***Function for Calculating Ingredients***: The provided function calculateIngredients() calculates the total amount of each ingredient based on the specified portions.

***Accessing Portion Information***: The function retrieves the number of portions selected by the user from an input field with the ID portions and converts it to an integer.

***Selecting Ingredient Elements:*** The function selects all elements with the class num of elements with the class ingredient-list using ***querySelectorAll().*** (OpenAI's ChatGPT AI language model)

***Calculating Total Amount:*** For each ingredient, it retrieves the original value (portion for one) and multiplies it by the number of portions to calculate the total amount needed.

***Updating Display:*** Finally, it updates the content of each selected element to display the calculated total amount.

**PROBLEM FACED:**

* We had to set an attribute in HTML .***value***, to use it for calculation as a portion for one and then calculate more out of it
* When we first created a function without the attribute ***.value*** in HTML, our code was calculating with original values first and then calculating with updated values.
* Portion for ONE = 15g ,portion for TWO was calulated 15\*15= 225g , portion for THREE was 30\*30=900g instead of 15\*1,15\*2

# Conclusion

We created a website that looks smooth and the whole interface looks clean and neat. It has a very simple design with a lot of interactive features. The website meets our expectations and surely makes sense for its users. We are glad that we managed to implement all the features we wanted and brought the website to its final form.

# References

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