

HTML & CSS Web Development

WEBSITE DESIGN

KIERAN PERRIN

Contents

Introduction	2
Requirements.....	2
Implementation	2
Home.....	2
Pasta.....	3
Chicken.....	3
Dessert	4
Meatballs	4
Contact.....	5
Validation	5
Home page Validation.....	5
Main CSS Validation	6
Evaluation	6
Accessibility.....	6
Personal Evaluation.....	7
Improvements.....	7
Search Engine Optimisation.....	8
References	8

Introduction

In this report I will be discussing the website that I designed and coded. I will go over the purpose of the website that I designed and how I implemented it. I will also validate my code and evaluate the product, comparing it to industry standards in areas such as search engine optimisation, accessibility, design, functionality and content.

Requirements

The name of the website that I deigned is “hangry”, I chose this name because it is a recipe website and is a play on words from hungry and angry. It suggests that people get angry when they are hungry. I chose to design a recipe website because I love good food and sharing my recipes with other people sounded good to me. Hangry would be like a recipe book on the web, it would be my personal take on different recipes that I’ve come across in my life and then shared with other people. The target audience for the website is anyone looking for a recipe for something good to eat. I think a recipe website is always going to be relevant because people will regularly be looking for things to eat online.

Implementation

Home

Hangry

Def. A state of irritability and anger caused by the feeling of hunger

[Home](#)[Recipes ▾](#)[Contact](#)

What is Hangry?

Hangry is a personal recipe book for myself but online in an easy to reach place. It also means I can share my recipes with the world.

Latest Recipes



Tomato & Chilli Meatballs

Pork meatballs in a tomato and chilli sauce served with



Fried Chicken

Fried chicken prepared in a way to taste like your favorite



No-Bake Oreo Cheesecake

No bake cheesecake with an oreo buscuit base and

Pasta

Hangry

Def. A state of irritability and anger caused by the feeling of hunger

Home

Recipes ▾

Contact

Pasta

Pasta is such a versatile ingredient, it can be used with any type of meat or vegetables and there is so many options for sauces.

Recipes



Tomato & Chilli Meatballs

Pork meatballs in a tomato and chilli sauce served with

Chicken

Hangry

Def. A state of irritability and anger caused by the feeling of hunger

Home

Recipes ▾

Contact

Chicken

Who said chicken was boring? You can cook chicken in so many different ways with so many different things, theres endless possibilities.

Recipes



Fried Chicken

Fried chicken prepared in a

Dessert

Hangry

Def. A state of irritability and anger caused by the feeling of hunger

Home	Recipes ▾	Contact
------	-----------	---------

Dessert

My personal favorite category of food. There is nothing quite like tucking into a good piece of cake, it just brings pure joy.

Recipes



No-Bake Oreo Cheesecake

No bake cheesecake with an oreo buscuit base and

Meatballs

Home	Recipes ▾	Contact
------	-----------	---------

Tomato and Chilli Meatballs



Ingredients

For the meatballs

- 450g pork mince
- 250g pork sausage meat
- 1 tspn mixed herbs
- 2 cloves of garlic (crushed)
- 2 tspsns vegetable stock powder
- 1 tspn paprika
- 1 tbspn olive oil

For the sauce

- Tomato passata
- 1 tspn chili flakes
- 1 tspn basil
- 2 bell peppers (1 red, 1 green, chopped)
- parmesan (to garnish)

Method

1. In a large bowl mix together the pork mince, sausage meat, mixed herbs, garlic, stock and paprika.
2. Take a golf ball amount of mixture and form it into a ball in the palm of your hand. Continue until the mixture is used up.
3. Heat up the oil in a frying pan and fry off the meatballs until browned.
4. Fry off the chopped peppers in the same oil as the meatballs.
5. put the browned meatballs and all the sauce ingredients into a large saucepan. leave to simmer until the sauce is thickened to your liking.
6. Serve with spaggetti or pasta and garnish with parmesan

Contact

Hangry

Def. A state of irritability and anger caused by the feeling of hunger

[Home](#)[Recipes ▾](#)[Contact](#)

Contact Me

If you want to ask me any questions please fill in the form below and submit.

Title	Surname	Forename
Choose. ▾	Surname	Forename
Email example@example.com		
Comment		
Submit		

Validation

Home page Validation

Below is the result of running my home page on w3school validator.

- Error** Saw < when expecting an attribute name. Probable cause: Missing > immediately before.
At line 56, column 7
`</div></nav></he`
- Error** A slash was not immediately followed by >.
At line 56, column 9
`</div></nav></head`
- Error** End tag had attributes.
At line 56, column 12
`div></nav></header>`
- Error** End tag header seen, but there were open elements.
From line 57, column 5, to line 57, column 13
`/nav></header><sec`
- Error** Unclosed element nav.
From line 25, column 7, to line 25, column 66
`<nav class="navbar navbar-expand-md navbar-light bg-light">`
- Error** Saw < when expecting an attribute name. Probable cause: Missing > immediately before.
At line 61, column 5
`t-wrapper"><div class="row`
- Error** Duplicate attribute class.
At line 61, column 15
`<div class="row"><`
- Error** Attribute <div> not allowed on element div at this point.
From line 60, column 3, to line 61, column 21
`ection"><div class="content-wrapper"><div class="row">`
Attributes for element div:
[Global attributes](#)

When running my index page through the w3school validator, it comes back with the errors above. Most of the errors it has come back with aren't accurate. When it says that elements aren't closed and saying brackets are missing, when looking at the code is incorrect, it might not be able to pick up

these things due to the complexity of the html such as nested divs and such. One error I did get while testing my website was with the navigation bar. I wanted to implement a dropdown navbar to appear when hovering over with the mouse, but it wouldn't dropdown when first testing. I realised that I didn't have any links to jQuery or any JavaScript to allow for such functionality. After I added a JavaScript file, the problem was fixed.

Main CSS Validation

W3C CSS Validator results for style.css (CSS level 3 + SVG)

Congratulations! No Error Found.

This document validates as [CSS level 3 + SVG](#) !

To show your readers that you've taken the care to create an interoperable Web page, you may display this icon on any page that validates. Here is the XHTML you could use to add this icon to your Web page:



When it came to the CSS of the webpage, I didn't have any errors and had no trouble during the development process.

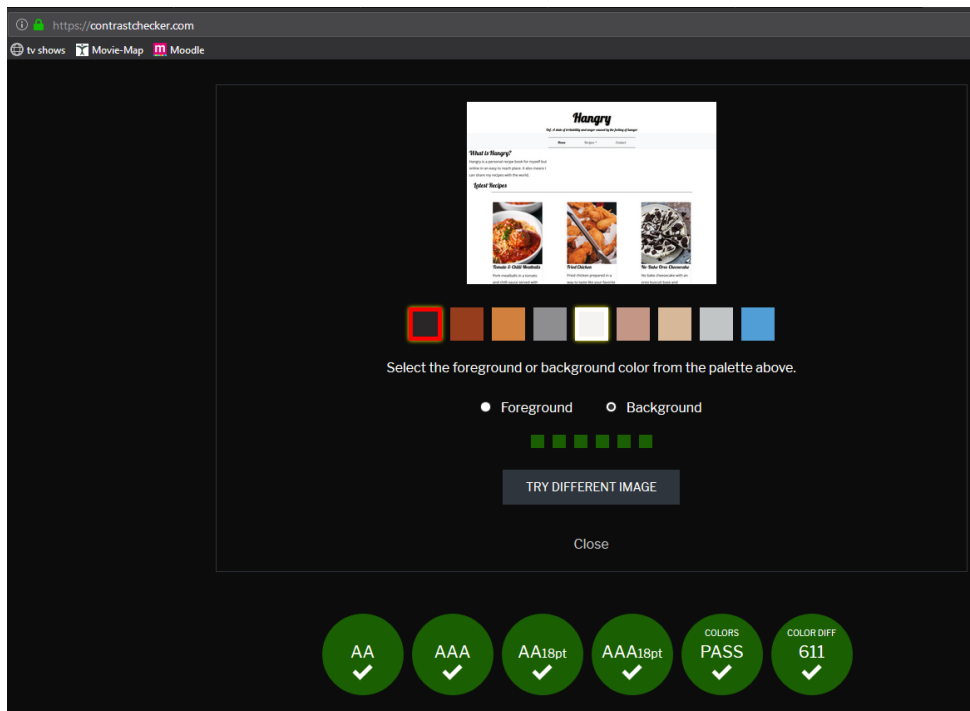
Evaluation

Accessibility

According to WCAG 2.1 a website should have text alternatives for images and other media, this is so it can be converted into speech or braille or other formats. Also input and controls like buttons, should have a name that describes their purpose. To comply with this all my images used on the website have text alternatives and my input boxes on the contact page have names that indicate what should be put in them.

Another accessibility feature to make sure is on a website is to make sure all time-based media has options for those who can't see or hear things. Because I have no time-based media on my website, I didn't have to worry about this. Adaptability is also an important feature to make sure is on the site. This means that the site should keep its information and structure when viewed in different formats such as removing style and viewing in pure html. When looking at the home page of my website with no styling, it keeps all the information on the page and keeps its structure.

The last main category for making a website accessible is to make sure it is distinguishable. This means that the pages are easier for the users to see and hear an example of this is to make sure that the foreground and background is separated. The guidelines suggest that the site should have a minimum of a 4.5:1 contrast ratio. Below is a screenshot of a website that checks the contrast ratio of a site. I uploaded a copy of my home page and ran it through and got a contrast ratio of 13.61:1, which is well above the minimum.



Personal Evaluation

When designing my website, I wanted to go for a simpler layout, not because it would be easier to code but I personally feel when there is less going on in a single page, the message is easier to get across. I wanted to design something that was super easy for the user, where there was never any confusion on how to navigate the site. I went with black text on a white background because in my opinion it is the best option for readability. The margins of the page are grey because it doesn't distract the user from the content of the page, and I like the colour grey. For the choice of font, I went with a cursive font for the headings, to give a handwritten feel to the site, but for any information that would be important I used a font that would be easily read by people. For the functionality of the site I made sure that everything was responsive so when the pages are resized everything moves to fit the screen. The contact page has a form for the user to fill out but when they press the submit button nothing happens currently. As for the content on the page, currently there is only one real recipe so far, other than that there are a few pages discussing the ingredient types and there is a contact page.

Improvements

If I could improve my website, I would add a few things. Firstly, I would add more recipe types to include different ingredients and sort the recipes into the categories. Secondly, I would be able to add more recipes to the page and to be able to add the recipes as I come across them in my life. Another thing I would like to add to the site in the future would be a comment system, so people could discuss what they like or dislike about the recipe, and future users could use the comments to see if the recipe is good or not. Also, on the home page of the site, under recent recipes, I would like to make it show the most recent recipes added to the site automatically. I would also like to make the contact page work so when the user fills out the form it sends me an email with the information entered.

Search Engine Optimisation

Recommendations for search engine optimisation include making your website information rich, making sure that links are text based and there is a clear hierarchy. It is also good practice to make sure keywords are used and content isn't locked behind things like JavaScript or Flash. Another option for search engine optimisation is to use microdata. Microdata gives a snapshot of what the information on your website is about to the web crawlers. Schema.org provides a large collection of shared vocabularies to implement microdata into your site. An example of the use of microdata comes from me adding the "itemType" tag "Recipe" to my site which tells the web crawlers that my website includes recipes. One of the best way for my site to be ranked well is to make sure keywords are mentioned in the title of the pages and in the alt text of an image and across the site in the text, which I have included in my site.

References

Below are the websites that I used while designing and building my website for information.

<https://getbootstrap.com/docs/4.0/getting-started/introduction/>

<https://contrastchecker.com/>

<https://www.w3.org/TR/WCAG21/#distinguishable>

<https://www.w3schools.com/>

<https://schema.org/docs/gs.html>