**WEB TECHNOLOGIES COURSEWORK PART TWO (REPORT)**

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**Introduction**

For the part 2, this report will go through the website that has been created with a lot of features to mention, with the use of HTML, CSS and JavaScript; the report will also go through the major differences between the initial design created in the first part of the report and the actual concept created, as well as reflecting the challenges I have faced and achievements I have made during the development of the website.

**URL (Web Address)**

The website has a URL of[**file://napier-mail.napier.ac.uk/students/School%20of%20Computing/User%20Data/40535445/WEB%20DESIGN%20CW%202/index.html**](file://napier-mail.napier.ac.uk/students/School%20of%20Computing/User%20Data/40535445/WEB%20DESIGN%20CW%202/index.html)- that is the index page with tons of subpages and images entered.

**Differences and Benefits**

First difference of the website is the layout of the main page (index.html). In the original initial design, there were going to be videos on the left side of the page and clickable links with images displayed on the other side of the page. Here, on the other hand, we have two large food images close to the top header and a large GIF banner in the centre (which was part of the plan from the first report); then we have two large videos from YouTube (with their channel name available) together below the large GIF image which was related to food.

Then, below the videos, we have 6 clickable links (subpages) and images displayed and short description included; I wanted to go for a humorous description which could make some of these links memorable. At first, I didn’t care too much about borders or anything pleasant when I first added the boxes, all I cared about was just implementing the boxes neatly; however, with borders included, it made the website almost stand out and made it look professional. Without the borders, it probably would have made the website a bit plain and tense.

For the header, I included the necessary links with a home link to go back to the main page. The search bar was always meant to be included since the initial plan but it has not been implemented to actually search for something. I also thought that whenever you hover a link, it changes to red and I thought that it would be a good idea to implement it. From the initial design, there was no logo for the site, and I decided to insert one to make the website unique and memorable with its logo; without it, the website won’t look interesting.

Originally, I was going to mainly focus on the index page and nothing else, but I also thought about creating sub-pages, but that also meant that I would have to spend so much time creating detailed pages on each page; thankfully, I am glad I took that path and with good time management, I managed to create 10 sub-pages overall.

**Unused Features to Enhance the Project**

With enough time, I was considering using PHP for the ‘contactUs.html’, but it didn’t work as I thought; I wrote some code of the PHP that would allow you to go into your university email and shows you the subject, your name, and your enquiry after you submitted your message from the ‘contactUs.html’ page. It turned out, that you needed to download the PHP and I used the university computer at the time of creating the website, and I thought it was unlikely you could download, and plus I didn’t think you were allowed to use PHP for the coursework. The PHP file is available in the ‘WEB DESIGN CW 2’ folder. However, I decided to backtrack and make it easy by simply using JavaScript to call a function that alerts you when you submit an enquiry.

Another feature I was considering to add was to add an order page (‘order.html’) with the use of buying food online with new selection of foods added; however, it didn’t go through because it didn’t make sense of having a professional-looking website that allows you to order food; if you were to order food, it would be from a delivery service, or a website that is about delivering food, and therefore it was scrapped.

Another last thing was to have a search bar function correctly, which allows to take you to a different page and if it couldn’t find the results, it would’ve shown you a 404 error page.

**Reflection**

As the website was finished, I started reflecting of the challenges and achievements here. With the challenges, it was about sorting out the boxes evenly on the index page, as well as other alignments on other sub-pages. There were times that aligning certain aspects symmetrically was tedious and time-consuming. Another thing was the header itself; the header was too big that it overlapped the images and the <h1> and <h2> tags; with a lot of elements on an external CSS file, it was easy to get confused on where you left off, and where to change.

The achievements on the other hand, was making the website consistent, and making the website look professional with the abundance use of the elements on the CSS file. Without it, the website would’ve looked outdated and unpleasing. Another thing was making the website detailed as possible with the time given, and with the use of tons of images displayed and videos, which allows the user to interact with the page.

**References**

* YouTube (<https://www.youtube.com/watch?v=bLSPJ-WzdqE>)
* W3 Schools
* Stack Overflow
* freeCodeCamp