**Web Programming Lab Report: MidTerm**

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| Assignment | Implementing “Website for the Customer” | | |

1. **Problem Analysis**

The given problem was to construct a Web Page consisting the following elements. Fulfillments per element are done, and those that need specification are shown below, and will be further discusses in detail:

~~1. Make sure the homepage has specific topic, looking good design and various contents.~~

~~2. Make at least 5 html files, and they should be able to move meaningfully to each other through links.~~

~~4. Do not use frameworks (boostrap, wordpress, etc.).~~

~~6. Create at least 7 external css files.~~

~~7. All pages in the website should be responsive web.~~

~~8. Each page should include at least 2 multimedia (image, audio etc.).~~

3. At least one html page has basic form (header, nav, content, footer).

**🡪 All 5 pages do.**

5. Make the page that collects user information (ex. member registration page) using form tag.

▪ Use radio boxes and check boxes to collect the user information.

▪ You don’t have to consider the back-end (server) function.

**🡪 “Supporter” Page**

9. Use text-style.

**🡪 All 5 Page**

10. Use at least 3 web fonts (e.g. provided from Google fonts).

**🡪 “Wall Paper” Page, “Club history” Page**

11. Use the flexbox module to create a flexible layout.

**🡪 “Club history” Page**

12. Use the gridbox module to create a grid layout.

**🡪 “Main” Page, “Player Page”, “Wall Paper” Page**

13. Use transform property.

**🡪 “Supporter” Page**

14. Use transition property.

**🡪 “Supporter” Page**

15. Use the following properties for animation: @keyframes, animation-duration, animation-name, and animation-iteration-count.

**🡪 “Main” Page**

1. **Web Page Concept and Overall development**

The client that I have worked on is the English football club “Chelsea FC”.

The Page consists a total of 5 Pages: Main, Wall paper, Club History, Players, and Supporter. The role or each page will be explained in detail later.

For each page, a separate html file was made, thus a total of 5 html pages were used.

For the CSS, with the 5 CSS per page, another CSS file were used for header, footer, and master, of which the master CSS file consisted elements that were used broadly throughout the whole project, such as giving all elements a 0 margin to start with, or font ids, to use over the whole project.

All pages shared the same header and footer, which the header was used to connect the pages with each other. The footer is given to match Chelsea’s social media, and right terms.

Responsive-wise, all page shared to be responsive to three environments: mobile phone, tablet, and PC. The size-wise details are as below:

* Mobile: Max 50em
* Tablet: 50em to 64em
* PC: 64em or above

All pages consisted more than 2 multimedia, usually with an image. In fact, as the header and footer already consists more than 2 multimedia, each page already fulfills the requirement, yet has alpha more multimedia per page.

Further, All pages by default used text-style, as text-align was used. Yet further, text-transform to uppercase were frequently used (throughout mostly in the main page), and the text-color was used with a variety of different blue colors.

Details per page will be describe on the next section.

1. **Page Description**

From here, each page will be described in detail.

* Main Page

The main page, as could be seen in it’s name, is intended to be the first page the users would see when they visit the webpage.

For the eye-catch, the whole screen is filled with a video on the back.

With the z-index, I overlayed a phrase of “Once a blue, Always a Blue”, **which uses the animation affect** to make the quote blink every 4 seconds**.**

Then, the button below allows to move to the supporter page.

Next, is the Recent Matches, which shows the recent upcoming matches in both league and cup. The matches are replaced with images, and are placed **with a gridbox.** When the view is changed to mobile or tablet, the grid shows 1 images per line, matching the shallow width.

* Wall paper Page

The Wallpaper page, is a page that allows the users to get various wallpapers, both for mobile and PC.

As mentioned, the section is divided into two: pc, mobile. Each **section has a gallery with a gridbox,** of 4 and 2 elements in PC environment.

When in tablet, the number of elements s shrink to 3 in the mobile section, and 1 for the pc section. Then, in the mobile environment the mobile section is shrink to 2.

For Each section’s header title, the text in blue **uses a web font named “Inconsolata”.** As mentioned, all font attributes are stored in the master.css file.

* History Page

The History Page is a page that shows the history and current information about the club Chelsea FC. All contents are taken from Wikipedia.

The page starts with a old CFC photo, which then has a content section.

The content section is divided into 2 parts, the part with text, and a part that depicts CFC’s basic current information, **which is divided using the Flex box.**

In the beginning of the description, the “Chelsea FC” heading uses a **web font named “roboto condensed”.**

The inner part of the information section is aligned, using a basic table. Inside the table, the “th” (all the attribute names) **use a web font named “UBUNTU”.**

When using the tablet and mobile, the width of the information is turned 100%, which allows to first see the information section, then the text section. Thus, the overall layout is changed.

* Player Page

The Player page, is a page that shows the current Chelsea FC Players.

The page is divided into 4 parts: goalkeeper, defender, midfielders, and forwards. All sections’ player image is divided **using a gridbox.**

In a PC, it shows 4 images per row, in tablet 3, and in mobile 1.

* Supporter Page

The supporter page is a page that recruits users to become a Chelsea supporter, with annual fees.

**It consists a form, with radio box, check box, and more.**

Further, the Chelsea logo on the heading uses both **transform and transition, that makes the logo first tilt in to the left, but to the right when the mouse is hovered at.**

* Header & Footer

Lastly, header and footer, although isn’t a page is something I’ve worked on a lot. The header allows to navigate between each pages.

The important part is when the media changes, due to lack of space, the menu is sent on the next row, and the logo, instead of the long name, only consists of the emblem.