# Web Design Report

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To start, it was hard to visualize what the web page was going to look like. Initially, I started with a landing page that had an enter to lead into the web page, but decided to scrap that idea because it was ugly and was just empty space.

## Home page

Drawing inspiration from the internet, many bio pages have the navigation at the top with main text in the centre of the page, along with a button that would link to another page in the web page. A main design decision that I made, was to separate the navigation bar at the top and the background with different colours. The nav bar is a very dark grey, nearly black colour, and the background is a kind of off-white, creamy colour with the opacity turned down a little. I originally had a dark/forest green colour as the background, but the contrast was too dark making it hard to read text. This contrast works much better at reading the text.

For the navigation bar, I had the idea of creating separate “bars” that would come out the side for each button and would have a little animation when it was clicked. While it would have been ideal, the coding to make this in Visual Studio proved to be too advanced for my expertise. I have learned that this needs JavaScript to create this for my webpage. So again, drawing inspiration from other examples, I created an unordered list in the navigation bar displayed with inline-block to create navigation buttons to other links. I am not sure if this is correct way to do this, but I did see some tutorial videos showing to do it this way is much simpler.

Also, a common design choice is to add a logo in the navigation bar, so I added the Humber logo in the top left corner to make things easier and the colour is relating well with the rest of the page.

For the Home page I wanted to have my name in big letters sprawled across the middle of the page, and a button to display my email address. Having the text too big caused too many problems with adding anything else since the <div> took up too much space and anything else added would be pushed further down the page. So instead, I created a <div> to have my name and blurb about me that would cover the left side of the page and add an image to the right side of the page.

This was proven to be very difficult. It took some time to learn that no matter how big the content is, a <div> will take up that row of space. Resizing the image of the man and changing the size of the font for the blurb would not do anything.

Looking up tutorials online does not always help with the specific code we are working on. I came across a video explaining that to have a text <div> and an image <div> beside each other was to use in CSS: transform: TranslateY(-1) to move the image up the Y-axis to sit beside the text <div>. This did work in a way, the image was beside the text <div> that I wanted, but the <div> for the image was still below and created a big chunk of empty space where the image was supposed to be.

While still learning about changing the CSS attributes, I tried messing around with the margins and the padding to get the two <div>s beside each other but would just move everything around the page. It wasn’t until I learned about Float: left; and Float: right; that finally moved the two <divs> beside each other.

That fixed one problem, after that there was the problem of resizing the image to fit the page and be level with the size of the text. When I found the image of /man.png it was originally 5000px\*5000px, so the whole image was stretched to high and crossing over into the nav bar. I learned that it is best to create a class for the image, have the internal styling position as absolute, and input the height and width style inside the <input> code.

Lastly for the Home page, I wanted a button that would open display text with my email address and a footer at the bottom detailing the image.

I decided to copy the code for this page, and made 3 others for Hobbies, Videos, and a Feedback page.

## Hobbies

For the Hobbies page, I knew that wanted to put the list in a table and have them ranked. Creating the table required going back to the previous lessons, remembering that in order to have a table 2x2 is create one <tr> with two <td> and repeat again for another row.

I added the list of Hobbies and an image in the fourth quadrant to showcase one the books I enjoyed.

## Videos

Following this page, is the Videos page that came with its own slew of problems. The design choice I went with to have each video relate with the lists in the table to provide examples.

First off, I added four iframes for four videos, but when adding the url and embedding the videos, they would not play due to an error. I learned from that mistake because I was simply copying the url at the top when right-clicking and copying the embedded code <> was the correct way to do this.

Then I created a flexbox-container with the iframes to spread the videos in a 2x2 container, which took a lot of time to figure out. When creating a flexbox-container and have it float left, it displays the videos in a list format. I learned on w3 schools that to spread flexbox-items is to enter in the CSS for each video what grid-column position they would be. For example, the first video is in is in grid-column1 to the most left and the second video in grid-column2 to the right.

The layout for the Videos page was perfect, but another major issue I came across was that I could not click on the videos to play. Anytime I would try clicking on any of the videos the image of the man to right would highlight. So I realized that the <div> for the image of man was covering the videos. I thought this was a padding or margin issue, and looking up online people were giving advice on how to add JavaScript to get the video play. For a while I struggled on this issue, but I eventually realized that they are layers on top of each other. So, I searched up how to switch the layers or how to move the image behind the videos. That is where I came across the z-index, and that the image needed to be pushed to the back so that the videos were able to play.

## Feedback

Once that was completed, lastly was to add the feedback form with an input for Full Name, E-mail address (which actually doesn’t work), Text-area, and a submit button (doesn’t work as well lol). I gave it a little more visibility, made it bit brighter like how a typical feedback form looks like.

That is my Assignment, quite standard bio page but it took a lot of time and effort to create and mostly a lot of trial and error. Sorry there isn’t much info on GitHub since I just gained access a few days ago, but I am proud of the work I did and look forward to creating more.