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Due 7th April

HTML website creation

Unit 15 Assignment – Resubmission

# Research

I have found a following website that would meet the same criteria and content as the one I will eventually build. ([HTML for Beginners – How to Get Started with Web Development Basics (freecodecamp.org)](https://www.freecodecamp.org/news/html-for-beginners/)) The website includes a brief introduction to HTML generally, history about it, why learn HTML, how to get started with HTML. It provides visitors with a basic guide going through the main parts of HTML such as ‘Hypertext’ and ‘Markup Language’. Throughout the website are images to help explain the written content, these images include screenshots of the code in HTML and animated art image with HTML on it. The colour scheme is quite basic, black writing with white background and at the header a black background with white text. The only other colours visible on the website are through the images.

# Planning – Problem Definitions:

**Purpose**

The main aim of my website will be to create an easy-to-read simple guide to HTML for the basic user who doesn’t have any previous knowledge on coding / anything about websites. The website needs to be designed so it is easy to read and not too overloaded with information so the audience can keep engaged. The outcome of this website is to provide a basic and easy to understand way of learning about HMTL.

**Audience**

The intended audience for my website is students beginning a course in HTML or general users with an interest in learning HTML / or gathering addition information about it. This is because my website will contain very basic guides and beginner information, so it is most applicable for people who don’t have any / much experience in HTML before. Meaning this could be anyone aged 15 to 30 plus, which is a broad. This means it is most suitable for a younger audience to gain a basic understanding.

**Expected Outcome / Benefits**

My expected outcome would be to create a website with a very intended purpose to provide people with stepping stone introduction to HTML. The benefits of my website would include an easy-to-read website where it doesn’t overload people with information, this is to ensure users remain engaged and want to continue browsing on the website.

**Interactivity**

My page will include a navigation bar which can lead users to the other pages of my website this ensures it stays organised and categories through my webpage, so everything is organised. This makes it easier for the user to find out the information they need as they can go to the relevant page on my navigation bar. Unlike the page I research where all the information and content were on the one page you loaded onto, this makes the information cluttered and structured.

**Software / Hardware**

As this is a college-based course the best results will come within those resources.

**Technical / Design Constraints**

Technical constraints would be previous experience in web design being very little and only having the experience learnt in a few months. Having not built a website means mistakes will be made and I will not fully understand everything which may take me time to learn myself. Additionally, time constraints could affect my work as I’ve got other assignments on the go and I need to use my time wisely to complete the work to a good standard. A design constraint may be the fact the college doesn’t have the most up to date and best software for the project meaning it won’t be as good as professional doing it.

**Legal and Ethic**

Legal meaning I need to comply with legal laws regarding copywrite. This means when using other people’s work it needs to be credited to the person who made it, and not to claim the work as my own. Ethic considerations should be taken as I need to be certain my website won’t offend users of their ethnic backgrounds.

# Site Map

# Home Page DesignA screenshot of a computer Description automatically generated

# A screenshot of a computer Description automatically generatedA screenshot of a computer Description automatically generatedQuestionnaire Results

A screenshot of a computer

Description automatically generated

# Detailed Home Page Layout

After receiving feedback on my questionnaire, I have decided my Design B would be the better layout to use for my website. This is because it conveys a more traditional and conventional website layout which may help me when I’m creating my page. It is also familiar for users, so this makes it easier for them to navigate the website as it’s a layout they’ve seen and used before. Taking on the results of my questionnaire, having a website layout that is conventional will increase the user experience and usability, as the user knows what to expect and how to use the interface from other pages they’ve visited in the past. From these other websites the user may recognise where tools such as a search bar would be, so they don’t waste time looking around for it in an unconventional layout, instead they remember whereabouts it was previously. I also believe it is a simple layout, the links / header are located at the top followed by the main content and then a footer. This is easy for a less experienced user to understand, and it is easy to establish between the main content and the other options / pages of the website.

For my final home page layout, I will take my feedback from my questionnaire so I can make it even better. Firstly, I am going to choose design B as stated above as it is more conventional and convenient for users and for its simple design and layout. The changes I will implement for my design will be a login button. I will design the button as currently not functioning as I can leave the web development company to link their account system for it. Additionally, to make my website succeed I will consider adding a video to my page so my website suits all different types of people, I understand that different people prefer to learn in different way, some people will do this by reading the content I’ve written on the page, but some may find it easier and prefer a video clip to understand it and find it useful. The advantage and convenience of this will make my website better suited for most people, this will also help with people who have reading difficulties such as dyslexia, having a video makes these people at ease when learning and browsing my website.

Another point of feedback I received, was my text being too large in the main content area of my website. Likewise, with what I said above, it is important to create my website for the convenience of most people, this denotes making further impactful images for those users to benefit from, rather than loads of text. Other improvements such as a logo image on design B needs to implement as well as footer including copywrite information.

# A screenshot of a computer program Description automatically generatedMood Board

# Design Evaluation and Analysis

I think my design is well built and developed in the best way to fit my audience and targeted users; this is through the ease of use considered in my page. This is shown in the colours of my page – the style goes well with the design as a whole and additionally to this the text is easy to read and understand meaning that my website is best suited towards my audience – of someone who has never used / heard of HTML. Also, my design I chose was based on a conventional layout of website meaning that users navigating through it would be easier as it is similar to loads of other websites. The functions of my website that I have built in, include, the live date and time, a login in / sign up button and multiple pages for different uses.

The responses from my questionnaire I sent out has further assisted the success of my page as it gave me another opinion to consider, this is good as you get other ideas and not just thoughts from myself. It helped me to ensure I had met the most important criteria of the brief and gave me the opportunity to include ideas and designs that I may have not thought about before.

# \*\*\*\*Annotated Website Pages

# Assets and Content used.

Home Page:

EKC Group Online Logo - <https://www.canterburycollege.ac.uk>

HTML Orange Logo - <https://www.thinkful.com/blog/learn-the-basics-of-html-and-html5/>

HTML Text - <https://blog.velsoft.com/2018/10/24/html-basics/>

Writing HTML Code - <https://www.freecodecamp.org/news/introduction-to-html/#:~:text=Writing%20HTML%20Code,-Open%20a%20text&text=Start%20with%20the%20basic%20structure,the%20body%20with%20your%20content>.

Intro Page:

HTML Start - <https://www.w3schools.com/html/html_basic.asp>

Contact Page:

Facebook Logo - <https://commons.wikimedia.org/wiki/File:2023_Facebook_icon.svg>

Instagram Logo - <https://stock.adobe.com/uk/images/instagram-logo-with-shadow-on-a-transparent-background/298315933>

X (Twitter) - <https://www.etsy.com/listing/1579610016/new-x-logo-for-twitter-digital-download?dd_referrer=https%3A%2F%2Fwww.google.com%2F>

History Page:

Timeline of HTML - <https://txon.in/history_of_html.html>

Tutorials Page:

Simple Steps - https://www.hostinger.co.uk/tutorials/making-website-with-html

Videos & Clips Page < Tutorials Page:

Video 1: <https://www.youtube.com/watch?v=v8jDnBYc0bs>

Video 2: <https://www.youtube.com/watch?v=salY_Sm6mv4>

Video 3: <https://www.youtube.com/watch?v=DHGhFJZLKMs>

# Testing my Webpages

**Functionality** – The functionality varies on my different pages so when I was testing, I needed to ensure I was testing all the functions that my different pages had to offer. One of which is the YouTube videos I put on the tutorial section of my webpage. This allows users to watch the videos on my page as well as the option to load that video onto YouTube.

**Usability** – I needed to ensure the user could use my pages to the full extend they are designed for. To ensure this is reflected in throughout my webpage. I ensured on the history and info pages the images I had used were big enough for the user to read, otherwise there wouldn’t be any point having them on there.

**Consistency** – To make my website design fill complete I made sure my pages looked like each other within aspects such as colour, images, navigation bar / header and others. I took this action to make sure my pages looked like they belonged together and to lessen any confusion faced by users as putting everything in the same place across my pages enables users to recall and remember where things are, it is also more efficient to do it this way as you don’t have to create loads of new code, which takes up time.

**Responsiveness / Load-Time**– I additionally tested the responsiveness / performance of my pages to gather loading times and the functionality performance of my pages. I had very positive results as using my navigation bar to go to a different page is extremely quick. There aren’t any loading times to see the images and there isn’t much wait to load the website from the start. Furthermore, the YouTube videos load well and likewise with all the links.

**Browser Compatibility** – I tested using my website using the most popular browsers for the most popular operating systems which are Windows and Apple OS meaning I tested Google Chrome and Safari.

# World Wide Web Consortium **(W3C®)**

# Client-side scripting

# My website compared with Client Expectations

I believe I have constructed a good successful outcome for the clients’ expectations this can be first of all seen through my content on the several pages throughout my creation. I think the content I have made completely fits the target audience of the website. This is because my website provides the perfect guide into HTML towards someone with little to no knowledge of the subject. I have provided a very entry-level documentation into this subject; this is due to the videos I’ve supplied on my pages as well as simple short paragraphs which aren’t too long and tiring to read which is the reality of some other sites. Through this thinking of mine provides people with an easy, chilled guide which isn’t a complicated website, very simple to use and definitely not filled with annoying pop-ups and massive paragraphs like other examples are. Overall, I think my webpage is well matched for what the client is expecting and suitable for the targeted audience.

# My Website uploaded onto the internet