**Website Written Assignment - Build**

This written assignment will allow you to properly plan your website, discuss elements of the website build, and evaluate your experience with this project.

All questions must be answered to meet the criteria needed to pass the qualifications you are taking.

**Guidelines**

* Despite the use of bullet points in this document, bullet points **should not** be used in your report.   
  Instead, answers should be in paragraphs consisting of several sentences.
* Please check that your hosted website works correctly as often websites that appear to work in Visual Studio Code do not work when hosted because a properly hosted website is very case sensitive to page names.
* Please check that you have meaningful alt text present for all **<img>** tags on your website.
* Please replace any place holder text such as Lorem Ipsum with meaningful text before you submit.

**Build**

1. Review the ongoing use of IT tools you have used for your website and describe whether they are appropriate - what are the benefits and drawbacks of IT tools and systems used?

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| The answer to this question covers: |
| TLM Unit 1 Improving productivity using IT - Criteria |
| 2.1 I can review the on-going use of IT tools and techniques and change the approach as needed |
| 2.2 I can describe whether the IT tools selected were appropriate for the task and purpose |
| 3.1 I can review the benefits and drawbacks of IT tools and systems used in terms of productivity and efficiency |

* + Review the software and apps you have used in this process.
  + State what the tool was, what you used it for, some good points about it, and at least one negative.
  + As a minimum discuss Visual Studio Code and Teams.
  + Ensure you are focused on discussing the tool, and not necessarily how well you used it.

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| **Answer:** | I used a variety of IT tools when building my website. The most important one is Visual Studio Code. This is where I write the HTML code for the structure of the website and the CSS code for the design of the website. Once you have learned the right tags and capabilities of this software, it’s useable and automatically suggests prompts when you start to write in the code. There are also many short cuts you can learn. It has a very interesting use of color coding to help you see corresponding parenthesis and helps to flag where code is incomplete or faulty. A negative of this is that the interface isn’t that user-friendly, so you must know what you need to type.  I used Microsoft Teams for the daily meetings and tutorials with my instructor and peers. This is where we learned initial coding and were able to request help and demonstrations. This is also where we submit assignments and download any class recordings. This software is excellent as it allows you to have everything related to the course available in one place. A negative of it, is that as it is all in one-place, should the system go down, you will not be able to communicate with anyone or view course materials. Also the file structures can be a bit confusing with all the available channels and feeds. But once you get the hang of it, it’s a great piece of software that can improve your productivity.  For creating the color palette for the website, I used the website <https://color.adobe.com>. This was excellent, as you can input which colours you’d like to include and it will suggest complementary colours. |

1. Discuss accessibility.   
   Describe how you can overcome potential accessibility issues with your website.

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| The answer to this question covers: |
| TLM Unit 2 Website Software - Criteria |
| 1.6 I can describe access issues that might need to be taken into account |

* + Why is it important that we make our websites accessible for others?
  + How did you make sure your website was accessible for others?
    - You should mention that you have included ‘alt’ text within your images so that visually impaired users using a screen reader can understand what is included in an image.
    - You could also mention the colour scheme you chose was purposely picked to improve readability.
    - You could mention the font style you used was purposely picked so is dyslexia friendly.

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| **Answer:** | As this website is for a business, it is important to keep your potential customer base as wide as possible. Therefore, the website should be accessible to people with varying needs. An example of this is ensuring that alt text is included with every image, so that visually impaired users using a screen reader can understand what is included in an image.  I also chose a colour scheme purposefully with good readability – my original colour scheme failed the contrast ratio scheme, so I had to re-pick some colours. To do this, I checked colour contrasts on <https://webaim.org/resources/contrastchecker/>. |

1. Describe how you would test your website to make sure it looks as intended.   
   How can you test your website to ensure it is accessible to people with disabilities?

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| The answer to this question covers: |
| TLM Unit 1 Improving productivity using IT - Criteria |
| 3.4 I can test solutions to check that they work as intended |

* + Explain how you tested your website, and what you were testing for
    - Mention using multiple browsers and the “Live Server” extension on Visual Studio Code
    - Discuss things you did to show you had considered accessibility when designing you page and mention any changes you made as a result of this testing.
    - Do you run your website through a free screen reader app like Windows Narrator?

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| **Answer:** | To test my website, I had the “Live Server” extension open at all times – this gave me live feedback about how my code would look. I also opened this on multiple browsers, and looked at different views (such as iPad and iPhone) through the developer tools in Google Chrome.  Initially I had put colour #D2B48C (light brown) text on a #FFFFFF (white) background, but when I checked this on <https://webaim.org/resources/contrastchecker/> it failed. As this light brown was chosen to compliment colour #8B4513 (mid-brown), I therefore found a complementary darker brown, so that both colours would have a good contrast ratio – I settled on #5C4033 (dark brown). |

1. What kind of files have you used in your website?  
   Explain why you have chosen those filetypes.

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| The answer to this question covers: |
| TLM Unit 1 Improving productivity using IT - Criteria |
| 1.7 I can describe what file types to use for saving content |

* + Detail the file types you have used in this project
  + Explain what you used each for, and why.   
    Think beyond “because I was told to use this file type.”
    - .html to build your website
    - .css to add styling to your website
    - List the image files types used too (will most likely be .jpg, .png or .gif)
  + Why did you use these file types?
    - .html and .css as they are industry standard
    - Was there any reason for using the image types you used?   
      (For example, you may have used .png as you wanted your image to have a transparent background or .gif for a moving image)

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| **Answer:** | On my website, I have used multiple file types. For the build itself I used .html – this file type is considered the skeleton of the website and is the industry standard for website design. On top of this .html, I used .css filetypes – this file type applies design to the structural .html files in the form of a cascading style sheet. Again this is industry standard for website design, and is functional across all computers and media devices without additional plug-ins.  For the images I used .jpg files – again these are industry standard for imagery and can be opened on any device. When it comes to the social media logos, I used .png files – these icons were downloadable from a website for free commercial and creative use. The reason a .png file is good for logo iconography is that they can have a transparent background, so can show your website background colours through them & thus adapting to your colour palette choices. |