**Website Written Assignment - Plan**

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.

**Plan**

1. What is your website about and who is the intended audience?

|  |
| --- |
| The answer to this question covers: |
| TLM Unit 2 Website Software - Criteria |
| 1.1 I can describe what web site content and layout will be needed for each page |

* + Who is the intended audience?
    - You might not have one (list that if that’s the case), however you may be catering to a certain gender, race, age group etc, if so then list that here.
    - Your intended audience might just be people who also enjoy the content of your website, so for example, other fans of your favourite game or tv show.
  + Discuss the topic of your website, and briefly outline the content you will share.
  + What are your goals with this website?
  + What will your 3 web pages be about and what content will be on them?

|  |  |
| --- | --- |
| **Answer:** | I have chosen the florist option. The target audience is a wide range of people, including, but not limited to; professional events planners (weddings, funerals, etc.), businesses, hotels and resorts, gardeners, amateur green thumbs, and anyone else who wants to buy flowers.  The topic will be the advertising of various high-quality products from the range, including individual plants and bouquets.  The goal is to advertise the business and products in a stylish and professional website, designed to be eye-catching, easy to navigate, and informative.  It will consist of a Home Page introducing the business, a second page advertising bouquets, and a third page advertising individual plants. |

1. Describe how you will use IT to plan and create your website.

|  |
| --- |
| The answer to this question covers: |
| TLM Unit 1 Improving productivity using IT - Criteria |
| 1.1 I can describe the purpose of using IT in my work |
| 1.3 I can plan how to carry out tasks using IT to achieve the required purpose and outcome |

* + Mention using Google for research
  + Mention the wireframe found in the website brief
  + Mention using HTML to build your website and CSS to style your website.
  + Mention using Visual Studio Code to help you write and test your HTML and CSS.
  + Mention using GitHub to host your website

|  |  |
| --- | --- |
| **Answer:** | The plan is to research a few florist websites to find out average prices and introduction styling, following the wireframe layout from the brief, using HTML and CSS with Visual Studio Code to build the website, incorporating the provided pictures from the project folder, and uploading the finished product to GitHub. |

1. Describe methods, skills and resources needed to complete your website-explain what IT systems and software applications you need to be successful in your website project, and how you will use them.

|  |
| --- |
| The answer to this question covers: |
| TLM Unit 1 Improving productivity using IT - Criteria |
| 1.2 I can describe the methods, skills and resources needed to complete my tasks successfully |
| 1.3 I can plan how to carry out tasks using IT to achieve the required purpose and outcome |
| 1.5 I can select and use IT systems and software applications to complete planned tasks and produce effective results |
| 1.6 I can describe how the purpose and outcomes have been met by the chosen IT systems and tools |

* + Methods could be:
    - Hosting/publishing your website on GitHub so other people can interact with it
    - Planning your website to allow you to know exactly what content needs to be created are where it will be placed
    - Testing your website to ensure it looks right and is useable
  + Skills could be:
    - Using your skills in planning, using the Kanban method on Trello
    - Using your skills in HTML and CSS to build the website
    - Using your design skills, using wireframes to create a good-looking website that retains visitors
  + Resources could be:
    - W3 Schools
    - VSC extensions
    - Similar websites to your own that you took inspiration from
    - Websites you used to get images from (like Pixabay or Shutterstock)
    - YouTube videos or websites you used to help with your learning of code

|  |  |
| --- | --- |
| **Answer:** | I will be using Trello to plan the project, creating activity cards to monitor my progress. I will use HTML and CSS to build the website, and extensions to help speed up the process such as Live Server. I will then upload the completed project to GitHub.  I will be following the wireframe template. I will utilise contrastchecker and coblis to check my colour choices are suitable. I will use sources such as W3Schools and the tutorial on python.org to help learn any new code I will need. |

1. List the tasks you must do and prioritise them, giving them an ideal deadline that you would like to complete them.

|  |
| --- |
| The answer to this question covers: |
| TLM Unit 1 Improving productivity using IT - Criteria |
| 3.4 I can respond appropriately to problems with multiple page web sites |

|  |  |  |
| --- | --- | --- |
| **High** | **Medium** | **Low** |
| **Task**:  Complete assessment docs | **Task**:  Figure out how to set nav bar and footer to wireframe spec | **Task**:  Decide on colour scheme and fonts |
| **Deadline**:  Lunchtime Tuesday 25th Jun | **Deadline**:  Lunchtime Friday 21st Jun | **Deadline**:  Lunchtime Fri 21st Jun |
| **Task**:  Build the base wireframe of the website | **Task**:  Finish Page 1 of project | **Task**:  Finish pages 2 and 3 of project |
| **Deadline**:  Close Friday 21st Jun | **Deadline**:  Close Friday 21st Jun | **Deadline**:  Lunchtime Monday 24th Jun |
| **Task**:  Finish the website and upload to GitHub | **Task:**  Iron out any issues with the code and spellcheck everything | **Task**:  Check everything works on GitHub |
| **Deadline**:  Close Monday 24th Jun | **Deadline**:  Close Monday 24th Jun | **Deadline**:  Close Monday 24th Jun |

1. Create a day-to-day plan of these tasks including the breaks you have each day and the duration of your breaks.

|  |
| --- |
| **Day 01** |
| **Morning tasks**: Read project plan. Start quali docs. Research florist websites. |
| **Break time and duration**: 12:30 - 13:30 |
| **Afternoon tasks**: Begin Page 1 of project. Research workarounds for issues. Decide colour scheme and fonts. Download fonts. Create nav bar and footer. |
| **Day 02** |
| **Morning tasks**: Fix issues with nav bar and text. Fill in assessment docs with progress reports. Begin Page 2 Add pictures. Reverse image search plants for names and descriptions. |
| **Break time and duration**: 12:30 - 13:30 |
| **Afternoon tasks**: Finish Page 1, start Pages 2 and 3 of project. |
| **Day 03** |
| **Morning tasks**: Adjust picture placement. Add text under pictures. Finish Pages 2 and 3. Check all code works. Spellcheck everything. |
| **Break time and duration**: 12:30 - 13:30 |
| **Afternoon tasks**: Final check on project. Upload to Github. Finish assessment docs. |
| **Day 04** |
| **Morning tasks**: |
| **Break time and duration**: |
| **Afternoon tasks**: |
| **Day 05** |
| **Morning tasks**: |
| **Break time and duration**: |
| **Afternoon tasks**: |

1. There are several laws and regulations that influence how we can use technology.   
   These are things we must be aware of when using IT.   
   Ignorance of the law is no excuse.   
   As web developers, two of the most influential laws are the GDPR, and Copyright.  
     
   Describe the legal guidelines and risks that might impact your website project - how does GDPR and copyright affect website development?

|  |
| --- |
| The answer to this question covers: |
| TLM Unit 1 Improving productivity using IT - Criteria |
| 1.4 I can describe factors that might affect the task |
| 1.7 I can describe any legal or local guidelines or constraints that apply to the task or activity |
| TLM Unit 2 Website Software - Criteria |
| 1.5 I can explain how copyright and other constraints may affect the web site |

* + Write a brief description of what copyright is
    - How does it impact web development?   
      Give an example.
  + Write a brief description of what GDPR is
    - How does it impact web development?   
      .Give an example
  + Does it impact your project? Why / why not?
    - Write that if your website wasn’t for educational purposes, you would have to abide by copyright law but that there is an educational exemption which permits limited use of copyright materials.   
      If you were to use your website beyond an educational purpose, you would have to gain permission from copyright owner to use their material.   
      GDPR law however applies to all websites and IT projects that collect user information.   
      If your website does not collect user information, then GDPR does not apply to your website.   
      If you collect any user information, however, you will have to gain the users positive approval (an opt-out option is not sufficient under GDPR).

|  |  |
| --- | --- |
| **Answer:** | GDPR is a set of laws for protecting data. It applies to web development as it is required to be built into websites from the outset of their creation. Users must be clearly informed of data collection and provide explicit consent for data collection and processing. Websites must implement appropriate technical and organisational measures to ensure the security of personal data.  GDPR compliance involves collection, storage, processing, and breaches.  Only personal data necessary for the purpose of the website must be collected, it must be stored securely and only for as long as necessary, it must be processed in accordance with the user’s consent and for the purpose specified, and there must be a plan in place to respond to data breaches, including notifying users promptly.  My website will not collect any data, so GDPR law does not apply. If it were a real website, and the products advertised were available for purchase from the website, it would very much apply, and I would have to ask consent from users to collect any personal data.  Copyright law governs intellectual property of original authorship, such as books, music, art, and software. It applies to website development in its original creative elements, including source code, design, layout, and content.  Copyright will no apply to my website as it is for educational purposes. If it were a real website, it would apply to every aspect of the project, including the code, design, layout, and content, and I would have to gain permission from the copyright owners of each of those aspects where applicable. |

1. Identify a feature for your website, which add additional functionality to resolve problems.  
   Describe how you are going to investigate your approach to resolving these problems.

|  |  |  |  |
| --- | --- | --- | --- |
| Additional feature 1: | Faded background | Plan of investigation: | Use google to find out how to create a faded background image with HTML and CSS |
| Additional feature 2: | Scrolling Marquee bar | Plan of investigation: | Use W3Schools to find out how to add a scrolling Marquee text bar |

1. Describe how you plan to carry out the investigation into the additional features from question 7.  
   Identify the sources of relevant and reliable information you will use.  
   Please add the links of these sources.

|  |  |
| --- | --- |
| **Details of your plan:** | Search for “how to change the opacity of a background picture with HTML and CSS”, find a source with a copyable base code, paste it into my code, and make whatever alterations I need in order to fit to my website.  Search W3Schools for “CSS Marquee”, copy and paste the code into my website, and change the necessary lines to adjust the text, scrolling speed, and colours to fit my website. |
| **Links:** | https://www.digitalocean.com/community/tutorials/how-to-change-a-css-background-images-opacity  https://www.w3schools.in/css3/css-marquee |

1. In addition to the links provided for question 8, look on online forums to discover how others suggest implementing these elements into your website.  
   List the sources of these online forums and please add the links to these sources.

|  |  |
| --- | --- |
| **Links:** | <https://www.sitepoint.com/community/t/images-also-transparent-in-opacity-layer/71782/3>  This link is to a question from someone wanting to do the same thing as me; put a faded picture in the background. I found it via Google.  I could not find any forum posts about Marquee that differed in any way from the solution I found on W3Schools. |

1. Following your research for questions 8 and 9, detail the different perspectives given in the sources.

|  |  |
| --- | --- |
| **Answer:** | The answer given in the sitepoint.com link was not vastly different, but I feel it is slightly more clumsy than the solution I found. The answer given was to set both “background” and “body” in separate divs with the opacity changed on “background” and the height set to a specific number, then set the height of “body” to minus the height set in “background”. Different approaches but the same result.  The main thing I read about Marquee on forums is that it is extremely outdated and rarely, if ever, used anymore. Some people seem to have a real grievance with it, in fact. It seems that it has issues with rendering on some platforms as it is not native to HTML and requires use of too many things like keyframes. I found a page dedicated to hunting down and destroying the “evil tag” (their words, not mine) here: https://html.com/tags/marquee/ |

1. From the results of your investigation, explain the most appropriate solution you have found to implement the additional features on your website.

|  |  |
| --- | --- |
| **Answer:** | I set 3 different div classes for “body”, “background”, and “fadedimage”, set “body” and “background” to “position: relative;”, and “fadedimage” to “position: absolute”, and changed the opacity in “fadedimage”. Different approaches, same result.  The only solution to using the Marquee tag was the most appropriate. Just a straight copy/paste from W3Schools and alter the code to fit my website requirements. |