



# **Project - Brief**

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| **Module:** Web Authoring | **Module Code:** 5N1910 |
| **Tutor:** Geraldine Lane | **Weighting:** 70% |
| **Issue date:** 07/01/21 | **Due date:** 25/03/21 |
| **Learning outcomes:** 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14 | |

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| **Student name:** Alex McGrath | **Date submitted:** 25/03/2021 |
| **Course:**  Computer Systems and Networks | **Class group:** 1a |

***Project Outline:***

The project consists of three sections:

* Section A – The report
* Section B – The website – A four page website (no more, no less)
* Section C – Future planning

This project must be submitted electronically. A digital copy of this brief will be made available to you. Section A, Section C and the last two parts of Section B must be answered on this brief, in the boxes provided, as well as all relevant student information above.

The assignment must be submitted in a folder in the format of *“Surname, First name - Project”*

***Plagiarism Declaration:***

I declare that this material, which I now submit for assessment, is entirely my own work and has not been taken from the work of others, save and to the extent that such work has been cited and acknowledged within the text of my work. This assignment, or any part of it, has not been previously submitted by me or any other person for assessment on this or any other course of study.

I understand that plagiarism, collusion, and copying is a grave and serious offence in LMETB, and I accept the penalties that may be imposed should I engage in plagiarism, collusion, or copying.

*Candidate’s signature:*  Alex McGrath *Date:*   20/01/2021

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| **Section A – The Report (20 marks)**  You must produce a detailed report on your project. In this report you must include:   * All aspects of Pre-production. This includes:   + Identifying target audience **(0.5 marks)**   + Listing site objectives (min. 2) **(1 marks)**   + Sketching of initial design (homepage) **(2 marks)**   + Creating a navigation flowchart **(1 marks)**   + Notes on design with reference to:     - Target audience **(1 marks)**     - Contrast **(2 marks)**     - Repetition **(2 marks)**     - Alignment **(2 marks)**     - Proximity **(2 marks)**   + A production plan and schedule/timetable for all stages of the production (a weekly plan) **(2 marks)**   + Identifying software to be used in development & maintenance of the site for:     - HTML & CSS **(0.5 marks)**     - Graphics **(0.5 marks)**     - Uploading **(0.5 marks)**   + Explaining the process of publishing a website **(1 mark)** * A production Diary which will include:   Work carried out & inclusion of any budgetary and/or technical constraints and/or problems arising **(2 marks)** |

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| **Section B – The Website (40 marks)**  For the development of the website, you must do the following:   * + Optimisation of the size and performance of a project in terms of file import/export and file management **(2 marks)**   + Correct employment of HTML and CSS **(3 marks)**   + Correct HTML page structure **(2 marks)**   + Use of current HTML tags **(2 marks)**   + Correct use of CSS to execute planned design of website to include: * Classes and IDs as selectors - **(3 marks)** * Font & text properties - **(3 marks)** * Background properties - **(3 marks)** * Positioning - **(3 marks)** * Borders - **(3 marks)** * Padding - **(3 marks)** * Margins - **(3 marks)**   + Import and incorporate the following to your site   + Text - **(2 marks)**   + Graphics - **(2 marks)**   + Digital movie (videos or iframes) - **(2 marks)**   + Audio - **(2 marks)** * Upload website to an FTP server **(1 mark)** * Test website functionality on different browsers and sized screens **(1 mark)** |

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| **Section C – Future Planning (10 marks)**  Create step by step maintenance guidelines to include the following   * + Updating text on a webpage **(2 marks)**   + Creating a new webpage **(2 marks)**   + Inserting an Image **(2 marks)**   + Creating a link **(2 marks)**   + Uploading updated content to a website **(2 marks)** |

**Section A – The Report**

* + **Identify target audience**

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| My target audience will be mostly for people aged 16 and above who are from Ireland and interested in Mountain biking but the content will be for people of all ages and genders. There will be sections for people who are new to Mountain biking and sections for people who are already familiar with the sport. |

* + **List your site objectives (min. 2)**

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| My objectives for my website are to get more people familiar with what mountain biking is and to help people get more familiar with the sport and the mountain biking scene in Ireland. |

* + **Sketch of initial design (homepage)**

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* + **Navigation flowchart**

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* + **Notes on design with reference to:**
    - **Target audience**

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| As my main target audience is people who are mountain bikers or people who are interested in mountain biking, I would like to try and keep the website filled with mountain bike images, videos, news and everything else to do with mountain biking. Mountain bikers also tend to be fans of nature and the outdoors, so I feel like keeping my page filled with natural colours will allow the users to subconsciously feel at home while browsing the site, improving their overall experience on the site. |

* + - **Contrast**

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| With this website being aimed towards mountain bikers I wanted to try and keep the page colours as natural as possible as mountain biking is an outdoor sport so most people who enjoy it, also enjoy the outdoors and being out in nature so by making sure the page colours are natural colours, like browns, greens, yellow etc, the users would subconsciously feel more comfortable and more inclined to stay on the site. |

* + - **Repetition**

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| Repetition was something I want to try and avoid unless necessary. I wanted to try keep the content on the page fresh and new the users, to do this I will make sure that each page has its own unique design fitted to show off the content on that page as efficiently as possible. |

* + - **Alignment**

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| Alignment is a big deal to me as I like to have symmetrical and perfect. To do this I plan on having the important, key content cantered in the middle of the page so that its symmetrical and nice to look at as a clear, neat website is much more appealing to users than one with awkward symmetry and sections aligned to different sides. |

* + - **Proximity**

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| Proximity is another important factor I had to take into account, I wanted to keep information relating to each other as close together as possible while ensuring that information that is similar, but not quite related are still close but not directly beside each other. This helps organise the page to keep people from getting confused and it helps them find what they are looking for easier. |

* **Your production plan and schedule/timetable for all stages of the production (a weekly plan)**

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| Week 1  In week one I want to decide on what my website will be about and who it will be aimed towards, this is a very important factor as I need to make sure I design my site with the specific demographic in mind. I also want to try and get a flow chart and base design for how I want the site to work and look. |
| Week 2  In week two I will further continue working on my plan and concept design for the site by deciding on colour and layout possibilities. |
| Week 3  In week 3 I will begin making the homepage of my site. I will also create the HTML files for the other pages but wont start making them until week 5. |
| Week 4  Week 4 I will gather the last of the information needed to finish the homepage, I will pick the images I need, the videos and audio sample. |
| Week 5  Week 5 I will use the info gathered from the week before to finish the homepage. With that finished I can begin working on the other pages, as they are smaller I plan on finishing them by week 6. |
| Week 6  In week 6 I plan on finishing the other pages and crosschecking my code with the checklist to ensure that I have everything that is required. |
| Week 7  In week 7 I plan on uploading my site to the FTP and documenting the future plans and how to maintain it. |
| Week 8  In week 8 I will be going back over my work to ensure that my code is up to standard along with all my documentation. This includes screenshots and PDFs of the code just like the brief insists. |

* **Identify software to be used in development & maintenance of the site for:** 
  + - **HTML & CSS**
    - **Graphics**
    - **Uploading**

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| For my HTML and CSS I used my personal favourite Integrated Development enviroment, Visual Studio Code, I used this as it is what I’m most familiar with. |
| For Graphics I got some images from Google Images but most of the graphics, such as the logo, were made by me in Adobe Photoshop. |
| For Uploading I used a free hosting site called InfinityFree.net, this allowed me to host my site with a custom url for free. |

* **Explain the process of publishing a website**

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| Step 1 – To publish the website you must go to [www.infinityfree.net](http://www.infinityfree.net) and create a free account. Once you have created the account you will need to verify the email.  Step 2 – Once you verify your email you will be brought back to the site, you then see the option to create a hosting account. Pick a domhain and an extension from their list. The next page you will need to create a password to access the account. Once this info is done click “Create account”.  Step 3 – Once the account has been created go into the account and click on “File Manager”. Here is where you can access the files for the site.  Step 4 – In the file manager you should see a folder called “htdocs”, click on this. This is where you will upload all of your website files. The HTML files will be in htdocs (htdocs/index.html etc) and the audio, images and css folders will be in htdocs (htdocs/audio/sound.mp3) etc.  Step 5- Now once all your files have been uploaded, open a new tab and enter your custom domhain that you picked earlier. This should bring you to your website if done correctly. |

* **Your production diary – what you accomplished each week**

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| In week one I decided on the concept of what my site would be based off, I chose mountain biking. I chose my demographic and I also designed my flow chart and mock homepage design. I also opened up PhotoShop to design a basic logo to use on my site. I made various sizes and colours of the same Logo so that I had one for every situation. |
| In week two I made my production plan to ensure I spent my time working as efficiently as possible. I then picked out the colours and theme for my website. Once these were picked I was able to finalise the design concept of my website. |
| Week 3  In week 3 I created my index page. As I had not fully researched the info to put on it yet I made it as a template, ensuring that an efficient amount of room was left for what I had planned. Once I had this ready I then created the HTML files for my other pages. |
| Week 4  I spent most of week 4 researching and gathering the information that I wanted on my homepage. I also went and picked and picked all the pictures, videos, and audio samples that I want on the site. Once these were ready I decided on how I wanted them displayed, I picked a border colour that matched the theme of the site. |
| Week 5  This week I got all the info I gathered last week and put it into my homepage “template” I had prepared a couple weeks ago. Once I had the text in I went through to make sure it was all formatted correctly, once I knew that it was I went and added the images, videos and audio file. |
| Week 6  Week 6 started with me making the other pages on my site. These were all much smaller and didn’t have as much information on them so I was able to finish them rather quickly. Now with my website done I wanted to make sure that I was meeting all the requirements in the brief so I went through and crosschecked all my code to ensure that I had done everything. |
| Week 7  This week I uploaded my site to the FTP and documented how to keep this site updated in the future. |
| Week 8  This week I went back over everything I had done and began preparing the files to be sent to my teacher. This involved taking screenshots and putting all the code into a pdf to make it easier to view. |

**Section B – The Website**

* **Upload website to an FTP server**

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| [http://obikes.42web.io](http://obikes.42web.io/index.html) |

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| The top picture was taken on a 24 inch screen on the browser Chrome, the bottom picture was taken on 13 inch screen on the browser Edge. |

* **Test website functionality on different browsers and/or sized screens (2 screenshots)**

**Section C – Future Planning**

Create step by step maintenance guidelines on the following:

* **Updating text on a webpage**

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| To update text on your website you must go to the FTP client (InfinityFree in my case) and find your website files. The file you want to edit will need to be downloaded in order for it to be edited, to do this right click the file and click “download”. This will download the html file.  Now you want to open your IDE (notepad++, VSC, etc) and open the file you just downloaded. Now that the file is open all you have to do is find the text you want to change, edit it and save the file. Return to your FTP client and upload the newly edited file, you will be prompted with a body of text asking if you would like to replace the current file with that name, click yes and refresh your page. |

* **Create a new webpage**

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| To add a new webpage you will need to open your IDE and create a new HTML file, call it whatever you wish. Create the HTML doc like you would any other by including all the necessary tags plus the content you wish to add. Once the document is saved, simply go to your FTP client and upload the file.  If you wish to link to the new webpage from a current one you must follow the steps in “updating text on a webpage”, once you have the file downloaded you will need to link the new webpage and save + upload the document as normal. |

* **Inserting an image**

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| To insert an image into a HTML file you will need to use the <img> tag. Find where you want to add the image in the HTML file and begin to type <img…”> this tells the browser that is reading the code that what is coming up next is in an image so that it displays it properly. Now you to link the image. To do this you want to continue the image tag as follows: “<img src=”link”>”. Where the word link is where you will put the file path or link to your image. If you are linking an image from the internet, simply put the url where “link” is, if you are using an image stored locally on your machine you will puth the file path of the image here, best way to do this is to create a new folder inside the folder with the HTML file called “images”. Put the image in here and link by typing images/imgname).png. |

* **Creating a link**

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| Step 1 – To publish the website you must go to [www.infinityfree.net](http://www.infinityfree.net) and create a free account. Once you have created the account you will need to verify the email.  Step 2 – Once you verify your email you will be brought back to the site, you then see the option to create a hosting account. Pick a domhain and an extension from their list. The next page you will need to create a password to access the account. Once this info is done click “Create account”.  Step 3 – Once the account has been created go into the account and click on “File Manager”. Here is where you can access the files for the site.  Step 4 – In the file manager you should see a folder called “htdocs”, click on this. This is where you will upload all of your website files. The HTML files will be in htdocs (htdocs/index.html etc) and the audio, images and css folders will be in htdocs (htdocs/audio/sound.mp3) etc.  Step 5- Now once all your files have been uploaded, open a new tab and enter your custom domhain that you picked earlier. This should bring you to your website if done correctly.  This will now create a link that you can use to access your website. |

* **Uploading updated content to a website**

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| When you want to upload updated content you will need to access your FTP client and download the file you wish to edit. Once downloaded, open it in your IDE of choice and edit what needs to be. -Now that you have the edited file, return to your FTP client and upload the new file. It will ask you if you would like to replace the current file with that name, click yes and refresh the page. This will update the page to contain the new info you have uploaded. |

**Make sure to:**

* Fill in all boxes above
* Save this file as a PDF
* Save all your HTML files as PDFs
* Save all your CSS files as PDFs
* Compress your website and files into a zip file before uploading
* Upload the file correctly on Moodle and click Submit (do not leave as draft)