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|  | **FdSc Computer Technology**  **Coursework Assignment** | | | http://www.plymouth.ac.uk/uopHandler.ashx?path=F_and_S/WEB_Root/Becky/ipwpu.jpg | |
| **Title** | | **Developing a Website** | **Module** | | **TRUR1106**  **Client Server Scripting** |
| **Date** | | **19th August 2020** | **Assignment** | | **Referral** |
| **Weighting** | | **This referral assignment contributes 100% to the overall module mark.** | | | |
| **Assessed Learning Outcomes Tested Through This Assignment** | | | | | |
| |  | | --- | | * Produce a simple website using the correct scripting language appropriate for a stated problem. * Create and implement simple techniques to achieve a required behaviour for a given web site. * Understand the application of style sheets to produce a required presentation for a given website. | | | | | | |
| **Assignment Submission** | | | | | |
| Your work must be submitted electronically through **Turnitin**. work should be submitted as a single file in **pdf** format by 11:59pm on or by the submission date, with a **URL link** to provide evidence of the **fully functioning** website  Your work must be fully referenced using **Harvard** Referencing.  Please read the task details and the marking criteria carefully before starting work on the assignment.  Ask for guidance if there are any parts of the assignment that are unclear to you. | | | | | |
| **Assessment Criteria:** | | | | | |
| The Plymouth University marking criteria at the back of the LTA Handbook will be used to demonstrate how you achieved the mark for your assignment. | | | | | |
| **Resources:** | | | | | |
| See Module pages on Moodle. | | | | | |
| **What you will be asked to do in this Assignment** | | | | | |
| This assignment requires you to demonstrate your skill in developing a fully functioning website using both CLIENT SIDE and SERVER SIDE languages for a given purposes. This website MUST be DYNAMIC (supported/powered by a database). | | | | | |

***Assignment Overview***

Produce a dynamic website, by using appropriate client-server side and server-side scripting methodologies. Reporting upon the technical solution produced explaining the main decisions that you made, and provide some evaluation on the methods and techniques used. It is expected that the report will be well-researched and well-referenced.

You must cite any references and sources that you use to research this topic and must cite your references using the HARVARD referencing system.

**This assignment must be submitted as a pdf electronically via Turnitin for the appropriate module, before 11:59pm on the 19th August.**

Scenario:

You have been asked by Ella’s Cakes to produce a small but fully functioning DYNAMIC website.

Ella’s cakes are a small family run business based in St Austell, Cornwall. They specialise in high quality bespoke cakes suitable for weddings, and parties.

Recently the business has seen an increase in requests to have an on-line presence, especially an online catalogue and shop.

The business requests that the following pages MUST be incorporated into the product.

* Contact page
* Home Page
* About us
* Product page
* On-line shop page.

The websites functionality as a minimum must have:-

A shopping page that is dynamically linked to an SQL database, a method of choosing the products and a buy now button. This should take the user to a confirmation page, where they can confirm the payment and enter a delivery address, the database must store this information.

It is not expected for you to build or supply an on-line bank, but simply once the user selects a product and clicks pay and confirm, produces a receipt and takes them to a page that states thank you.

You must evidence the design documentation, including the design for the associated database, along with the code used to create both the front and back ends of the website.

For illustration purposes use the following as the companies address:-

The Old Bake House, PL26 – 7BP

Tel: 0800 111 1234

The completed website must be fully functional, and free from any errors that hampers performance and functionality. You are to produce an accompanying report that explains and discusses including some evaluation of the main design decisions and methods used, along with a code report contained within the appendices of the report.

***Task***

**Design**, **implement** and **report upon** a **dynamic** website using appropriate client-server-side scripting languages and explain and discuss how the methods have been used in providing a solution to the scenario listed above.

Your website should be fully functional and free from errors.

Your accompanying report (**2500 words**) is expected to be **well-researched** and **well-referenced** providing both **explanations** and **discussions** upon the **technical** **solutions implemented** and **explains** the **main** design decisions made**. Your code and database structure is required to be contained in the appendices** of the report and referred to throughout the body of the report. It is **expected** that your report contains some **evaluation** of your work and demonstrates a good understanding of mark-up languages the use of styling (CSS), PHP and MySQL.

This report is a **professional document** and will be seen by the management of the company, it is imperative that the report is presented in a professional manner, free from errors and grammatical mistakes.

**A link** to the **URL** of the website **MUST** be **included** on the **front page** of your **report**.

***A word count is to be included on the title page of the report***

This assignment must be submitted as a pdf electronically via **Turnitin** before 11:59pm on the 19th August .

**Late submissions will receive a zero mark**.

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**Report**

**Para 1-** Made templates for HTML and CSS. This involves telling it what type of language it is. This is important so the page knows how to display the information. The header was also inserted. This is what is displayed across the tabs at the top of the page and is essential for the user the navigate the page more effectively. A **boxmodel** was made in order to line up all of the different areas of content on the page. Initially, this took some time to complete as every screen has a different number of pixels. It is surprising to realise the number of pixels that are used for reach screen. It was a process of trying different numbers, and some trial and errors involved. Boxmodel is designed in CSS, therefore this means that with the CSS file, the website creator is able to link it to every single page and the boxmodel would be the same on each page. This saves an enormous amount of time when creating a website (REF about how it saves time etc.).

Para 2- The next stage of the process was to create the banner at the top of the page. It is important to consider the client’s brief, which involved creating a high quality, bespoke website selling cakes for weddings and parties. The banner was selected as the colour scheme of white and pink, fits well with weddings and parties. It is pastel coloured, subtle and feminine. This would help to target the bride, who is possibly more likely to be the client ordering from the website. Finding the appropriate size of banner was challenging as it needed to fit across the top of the page but be clear. Initially the image of the cake that was selected featured a wedding cake. Then I considered the fact that the website also needs to attract customers who are purchasing cakes for parties, birthdays, and not just weddings. Therefore the decision was made to research more cake images that contained birthdays and parties, as this would limit the client base of just wedding cakes were featured. Decisions are made quickly when looking at a banner as to the style of the product. (REF about how clients make decisions about style).

Also a link to the CSS file was created.