The College of West Anglia

QUALITY SYSTEM

edexcel

ASSIGNMENT FORM

	Logo

Course/Programme:	L3 Subsidiary/Extended Diploma in IT	**Course Code: 1190**

Unit Title:	Website Production	**Unit Number:**	28

Module Tutor:	Nigel Edwards	**Course Director:**	Lars-Mikael Wiksten

Assignment Title/Description:	Web Architecture	**Assignment No:** 1 of 4

Date Issued:	29 September 2020

Dates for Guidance:	7 October 2019

Final Deadline:	14 October 2020

Learning Aims Covered:
    U28 LO1 Understand web architecture and components

STUDENT NAME:	

I certify that this assignment is my own original work and that any material taken from another person, from a book or from the Internet has been acknowledged and its source identified. I have worked independently to produce and prepare the evidence for this assignment.

Student Signature   **Date:**

This assignment has been internally verified against the BTEC unit specification by: P Avey   *Signed:*

Criteria covered by this task:			
To achieve the criteria you must show that you are able to:	**Unit**	**Criterion Reference**	**Tutors Signature**
Outline the web architecture and components which enable internet and web functionality	28	P1	
Explain the role of web architecture in website communications	28	M1	

Tutor Name:	**N Edwards**	**Date Achieved:**		**Tutor Signature**	

Assignment Brief & Feedback Form Combined   **EVL08-08 Rev 0**

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Custodian of Procedure is The Head of Organisational Development and Quality   *Any changes to this form must be agreed by the Quality Unit*

Scenario:

You have secured a temporary post as a researcher for Dr Hemlock, a local author who specialises in computer-related information. Dr Hemlock is to produce a series of informative leaflets Web Architecture, and possibly create a website at a later date.

You are to undertake some specific research for Dr Hemlock and produce detailed notes on the results of your work. These will be of varying depth and complexity based on the topic which Dr Hemlock has specified and should include illustrations to add to the understanding. The following is the first task you have been allocated.

Task 1

Compose a brief outline of the web architecture (Internet Service Provider (ISP), web hosting services, domain structure, domain name registrars …) and components (hardware - web, mail and proxy servers; routers ... Software browser; email … Protocols TCP/IP HTTP, HTTPS, SMTP …) which allow the internet and websites to function. This should be done in the format of an annotated flow diagram detailing the various stages and processes that information must pass through to get from server to screen.

You must go into detail explaining the way websites move information for communication. You should include a discussion of current methods of information sharing and movements such as Web 2.0.

Evidence you must produce for this task:

A word-processed document using illustrations, identifying ALL sources of information used, preferably using the Harvard referencing standard.

Criteria covered by this task:

To achieve the criteria you must show that you are able to:	Unit	Criterion Reference
Outline the web architecture and components which enable internet and web functionality.	28	P1
Explain the role of web architecture in website communications	28	M1

Sources of information:

Textbooks

Jon Duckett, 2011. HTML and CSS: Design and Build Websites. Wiley

Websites

http://www.Learn.cwa.ac.uk/
http:/www.w3schools.com/
http://leveluptuts.com/tutorials