BACHELOR OF INFORMATION TECHNOLOGY (HONS)

UNIVERSITAS PEMBANGUNAN NASIONAL "VETERAN" JATIM

SEPTEMBER 2009 BATCH 3, SEMESTER 2

BIT102 Internet Concepts and Infrastructure

ASSIGNMENT 2

Due date   :   9 July 2010

Weighting :   25% of total marks for the subject

Facilitator :   Ms. Melinda Chung Sew Ying

Objectives

This is a group assignment (two members per group, or if you prefer, you can do it alone) which is designed to:

- let you gain experience in the planning, design and creation of a web site;
- develop your understanding of the concepts and difficulties involved in the creation of a web site;
- upload of files to a server to make it a functioning web site;

Requirements

Part A – Website Planning (hardcopy) - 10 marks

This assignment involves the **planning** and **creation** of a web site about **you** and/or **your team member.**

Components of Part A:

1. Who are the intended audience of your web site? (i.e. type of people whom you are aiming at)

2. What are the objectives of building such site? (Give 3 objectives)

3. A simple hierarchical site diagram identifying all the web pages (HTML files) available in your website and exactly how they are linked together. (A site map will basically show the different HTML files used in the site with lines showing the linking of the HTML documents).

Part B – Web site (to be uploaded to the Web) – 40 marks

Requirement:

- to produce a website with contents relevant to you and your team member only. (a website that consists mainly business/commercial/promotional/recreational contents will be **irrelevant**)

- to produce a web site containing webpages created using XHTML tags. The XHTML tags are to be written using **Notepad** only (not a Web page generator such as FrontPage, Dreamweaver, etc.). These webpages are to be uploaded to WWW public server. (If it is found that a HTML composer has been used for this assignment, marks will be deducted).

- to use appropriate design, layout, navigation and materials for website.

- to produce HTML files using XHTML tags for the following features taught in the course:
  - different fonts;
  - tables;
  - lists;
  - variety of hypertext links; including graphic/image link
  - meta tags
  - comment tags

- You will need to submit any THREE of your HTML files for the W3C validator (*http://validator.w3.org)* to validate your XHTML tags used in this assignment.

- to acknowledge the use of resources and other materials.

Note: If non-original materials (images, background colors or patterns etc.) are used in your website, you must acknowledge them by creating a reference page/link to the resource's URLs.

Some general guides for the web site

Contents - most significantly, the site must identify the team members to others. The site should also contain topics/interest related to the team members as well. (a website that consists mainly business/commercial/promotional/recreational contents will be **irrelevant**)

For privacy concerns, there is no need to display addresses, phone numbers (and other private information that you do not want to reveal to others). However, there should be sufficient information for the audience to know the site creators.

Relevancy – you can include links to other sites related to your interests. These links should be included **within sentences and paragraphs that are relevant to you**. Therefore, to use a link to a sport site describing your sport interest, you should not just have a link – "My favourite sport" but write something about yourself and embed the link in your write-up. (Past assignments show that many students lost marks because of this).

Appeal - it should appeal to the reader. Be careful of the color choice (like blue writing on a black background, which is quite impossible to read), avoid using wallpaper and images that overshadow the information context, or make reading difficult.

Consistency – consistent layout, presentation and correct spelling are important.

Quick loading - do not use graphics excessively that slow down the loading of the web site.

Uploadability - make sure that the URL is accessible.

Clarity - avoid using elements like animated gifs, frames, forms, image-maps, or JavaScript which could cluster your web pages.

Marking scheme - it is important to look at the marking scheme to guide your efforts.

Assignment checklist

The following items should be included in the assignment:

- the URL of the web site;

- a hard copy of **Part A** report;

- a hard copy of the first page of your website **as it appears in the browser** so we know it is the correct site that we are visiting;

- a hard copy of the validation reports by *http://validator.w3.org* for any **three** of your HTML files used;

- a hard copy of all the XHTML files created using **Notepad**;

- the marking scheme attached as the last page of your assignment;

- a softcopy of all XHTML files and materials used.

Assignment 2 Marking Scheme to be attached to the end of the assignment

Part A - The planning report (10 marks)

Issues to be assessed	Markers will consider the following points	Marks
Intended audience	Have you clearly stated the audience that the site is aimed at?	/2
Goals of site	Have you got a clear idea of what you want to achieve with the presentation of the web site?	/3
Site diagram	Does the diagram clearly show all the pages available in the site and how they are linked and navigated? Have you shown the external links that you have used?	/5
Total marks		**/10**

Part B - The web site (40 marks)

Issues to be assessed	Marker(s) will consider the following points	Marks
Successful upload of Part B to the web.	Part B must be uploaded to the web. Is the URL correct?	/2
Content	Does the site describe the team? Are the materials relevant to the team?	/4
Layout, navigation and appropriateness	Pay attention to the visual effect/design (for example color, font size, layout of pages, uniformity and navigation between pages) of the web pages to your perceived audience.	/8
Quality and readability of HTML code used	Is the code easy to read (with **comments** and indented code)? Are metatags/metadata included in the home page? Are the HTML codes correct?	/8
Variety of HTML features used	Do the codes include examples of all the HTML features required (eg. Basic formatting such as headings, bold etc., graphics, tables and lists)?	/8
Variety and appropriateness of links	Are the links to outside sites relevant to the team and the team's interests?	/6
Acknowledgments, references and validation reports	Are there appropriate acknowledgments of borrowed material and references to resources used? Have you validated your HTML files with ***http://validator.w3.org***?	/4
Total marks		**/40**

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