Assessment Task 6: Create a Website

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| Course code and name | ICT50118 Diploma of Information Technology |
| Unit code and name | ICTWEB505 Develop Complex Web Page Layouts |
| Due date | ….. / ….. / ……Week 9 (Students have 2 weeks to complete this task) |
| Resources required | * Notepad++ program * ICTWEB505 Learner resource * Access to computer and internet |
| Decision making rules | All Questions must be answered correctly to be deemed satisfactory. |
| Instructions | **Common Instructions**   * This assessment is an individual open book project. * You have 15 hours to complete this task in the classroom. * You MUST demonstrate to your assessor before uploading their work. * You will need to create an assessment 6 folder, undertake each part of the assessment by following the requirements of their assessment. * You will need to write their answers for Part 1 and Part 4 on a provided Appendix 1 in this document, and submit this document file with their HTML file and CSS file together in LMS. * Ensure have recorded the due date. * At this time if you require reasonable adjustments discuss it with the assessor. It is important to ensure the integrity of the assessment is maintained and the intent is not compromised (e.g. extension of time, oral questions and answers etc.). * You must agree (via an ‘I confirm’ radio button) with the assessment submission terms and condition in Melbourne Polytechnic LMS prior to the submission. |

## Instructions

You are to create a website, of their own choice; this website has at least 4 HTML pages and a CSS file. Please read the following requirements carefully, follow the three processes DESIGN A WEBSITE, CREATE THE WEBSITE AND TEST THE WEBSITE to complete the project.

Part 1: Design a website

*Re: element 1 – Identify main layout sections from design specification*

You will need to prepare the planning and proposal documentation for a website, you can choose your own topic. There is appendix 1 inside this document, Part 1 and Part 4 will be completed in that appendix 1.

1. Your design brief needs to include:

*(re: element 1.1 – identify the required section of the web page)*

* Title of the website
* Goals of the website
* Target audience
* Contents of the website
* Search engine strategy
* Time frame
* What budget should be considered for a website

1. Site map and Storyboard

*(re: element 1.2 – Create the web page structure)*

You will need to identify the elements and structure of the web pages and then draw a site map that shows the page flow and a storyboard includes the common layout of the page, and sketch out of each individual pages.

Part 2: Create HTML elements for the website

*Re: element 2 – Layout the web page to match design specification*

1. <div> contents to structure your pages
2. Two levels of heading tag on one of web pages
3. At least three images somewhere in the site, with appropriate alternative text (alt attributes)
4. An unordered list somewhere in the site
5. An ordered list somewhere in the site
6. A functional navigation bar
7. A video file
8. A map shows an address
9. A form includes text boxes, radio button or check box, a drop down menu, the form contents should allow the users to enter their first name, last name, email address etc.
10. Comments explaining some of your code – how did you achieve an effect, layout, etc?

The HTML should **NOT** include:

* Tables used for layout purposes
* Frames
* Deprecated tags such as <center> or <font>, <b>, <i>
* Inline or embedded styling (such as colours, alignment, borders) – this should all be in the learners CSS file

Part 3: Complete all CSS coding

*Re: element 2.2 – Style web page elements to match the design specifications*

Ensure your CSS meets the following requirements at a minimum:

* Only one CSS file which is applied across all pages (except for Google Fonts, Font Awesome or similar, which may be loaded separately to the learners own file)
* Your CSS file should contain some comments explaining some of their code – what do some of the CSS properties achieve in their website?
* At least one instance of each of the following:
  + A font colour
  + A font size
  + A background (could be an image or a colour)
  + Padding
  + Margins
  + A border
  + Use of div for layout
  + Use of a pseudo-class (such as hover)

Part 4: Test and validate website

*Re: element 3 – Test and validate the layout*

1. Test your website in a variety of browsers such as:

* Firefox
* Chrome
* Edge (*if applicable*))
* Internet Explorer

Did you notice any difference between them? Did you need to fix any browser bugs? If so, what did you do? Did you add some comments to your code to note this?

**Note:** There is a **table** for testing your website in the template

1. Validate your HTML code at <http://validator.w3.org>

You ONLY need to have a screenshot

1. Validate your CSS code at <https://jigsaw.w3.org/css-validator/>

You ONLY need to have a screenshot

Part 5: Demonstrate work and show foundation skills

You may be asked to demonstrate your work on your computer and will be asked questions regarding your code and design. Upon answering all questions to a satisfactory level, you will be graded as SC.

You may show your abilities through out the assignment progress:

* Reading and upstanding the requirements
* Writing the text contents for the website
* Communicate with your assessor, and answer the questions of the assessor(s)
* Get assignment done within due date

Upload and submit all files

In the **Assessment 6** folder include the **.html** files**, .css** files, from Part 1 and Part 4. You will need to ZIP this folder into one compressed file and upload and submit to Melbourne Polytechnic LMS (<https://online.melbournepolytechnic.edu.au>).

You must agree (via an ‘I confirm’ radio button) with the assessment submission terms and condition in Melbourne Polytechnic LMS prior to the submission.

## Student Declaration

|  |  |  |  |
| --- | --- | --- | --- |
| Please read, tick and sign below | | | |
| * I declare that the attached assessment I have submitted is my own original work and any contributions from and references to other authors are clearly acknowledged and noted. * This document has been created for the purpose of this assessment only and has not been submitted as another form of assessment at Melbourne Polytechnic or any other tertiary institute. * I have retained a copy of this work for my reference in the event that this application is lost or damaged. * I give permission for Melbourne Polytechnic to keep, make copies of and communicate my work for the purpose of investigating plagiarism and/or review by internal and external assessors. * I understand that plagiarism is the act of using another person’s idea or work and presenting it as my own. This is a serious offence and I will accept that penalties will be imposed on me should I breach Melbourne Polytechnic’s plagiarism policy. | | | |
| Student Signature | X | Date |  |
| Please note that your assignment will not be accepted unless you have:   * Completed all sections of the assignment * Acknowledged all sources of other people’s contributions including references and Students’ names for group work assessments * Completed all areas of this Student assignment cover sheet. | | | |

## Marking Guide

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| Trainer/Assessor to complete the following: | | Yes | No |
| ***Part 1 – design (answers are in the* webDocument.docx)**  **1.1** The learner has correctly answered all the questions by following design brief:   * Title of the website * Goals of the website * Target audience * Contents of the website * Search engine strategy * Time frame * What budget should be considered for a website   **1.2** The learner has created a site map and the structure of the. The site map and storyboard is attached in the **webDocument.docx** | |  |  |
| ***Part 2 – web page elements***  The learner is able to use HTML code to create web page structure and position each element in accordance to the storyboard. The website has watched with the requirements:   1. <div> contents to structure your pages 2. Two levels of heading tag on one of web pages 3. At least three images somewhere in the site, with appropriate alternative text (alt attributes) 4. An unordered list somewhere in the site 5. An ordered list somewhere in the site 6. A functional navigation bar 7. A video file 8. A map shows an address 9. Comments explaining some of your code – how did you achieve an effect, layout, etc? | |  |  |
| ***Part 3 – CSS style***  The learner is able to use CSS style sheet to format each element that was create in task 2 based on the storyboard in part1, the learner has achieved:   1. Using one CSS file which is applied across all pages 2. The learner has put the comments to explain – what do some of the CSS properties achieve in your website? 3. The CSS style has formatted:    * Font colour of the text on the web pages    * Font size on each page    * Each page has applied a background (could be an image or a colour)    * Padding for each HTML element    * Margins of each HTML element    * A border of the <div> element    * Layout has been set up by the use of <div> element rather that a table    * Use of a pseudo-class (such as hover) for links | |  |  |
| ***Part 4 – testing and validation(answers are in the* webDocument.docx)**  The learners has correctly filled the testing table in the document template  Screenshot of HTML validation  Screenshot of CSS validation | |  |  |
| ***Part 5 – Demonstrate your work and show your foundation skills***  The learner has proved the abilities through out the assignment progress:   1. Read and undstand the requirements 2. Write the text contents for the website 3. Communicate with your assessor, and answer the questions of the assessor(s) 4. Get assignment done within due date | |  |  |
| Comments and feedback | | | |
|  | | | |
| result | | | |
| ☐ Satisfactory  ☐ Not Satisfactory (resubmission required) – Due date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | | | |
| Date Assessment Returned |  | | |
| Trainer/assessor Name |  | | |
| Trainer/Assessor signature | X | | |

# Appendix 1

All this information is available in the file **Assignment 6 Design Brief – Nicholas Balliro.pdf**