

Pearson Higher Nationals in Computing

ASSIGNMENT 2

Unit 10: Website Design & Development

Assignment Brief

Student Name/ID Number	
Unit Number and Title	10: Website Design & Development
Academic Year	2017/2018
Unit Tutor	Scott Morgan
Assignment Title	Multipage Website Design, Creation and Evaluation
Issue Date	19th January 2018
Submission Date	18th May 2018
IV Name & Date	

Submission Format

You must develop a multipage website. The submission is in three forms:

1. A design document accompanied by a retrospective evaluation of the design and development process.
2. A demonstration of the website you have developed, including well-structured and well-commented source code with appropriate outputs.
3. A Test Plan to review the performance and design of the website, including an evaluation of the results of your Test Plan and a review of the overall success of your site.

Unit Learning Outcomes

LO3 Utilise website technologies, tools and techniques with good design principles to create a multipage website.

LO4 Create and use a Test Plan to review the performance and design of a multipage website.

Assignment Brief and Guidance

As a junior web developer, your company has been approached by several local establishments wishing to create an online presence for their consumers. Your supervisor has asked you to develop a multipage website to meet the requirements of the client. Your choices are:

1. A local squash club looking to create an informational website as well as an online database of members. They are also looking to integrate an online members portal for checking court availability and handling bookings.
2. A local primary school looking to create an informational website as well as an online portal for teachers and parents to access. The portal should be visible to members only, and should contain some resources and information about upcoming events. They have expressed a wish for the portal to be personal to the user.
3. A local builders merchants looking to create an informational website including an image portfolio of some sample stock. They have expressed a desire to maintain the website themselves, and in particular would like to be able to upload new pictures to the site when required.

Design Plan:

Your design plan should include a full representation of the layout of your site, including a detailed breakdown of hosting and management costs.

This must include:

- plans for any hosting services and domain registration.
- design sketches/wireframes for user interface.
- usage of content management systems, or reasons for omission if applicable.
- search engine optimisation plans.
- any security features to be implemented.

Website:

The website should be operational and serve the goals defined by the client and the design plan. Any code submitted should be well-structured and annotated, conform to W3C standards where possible

and use the latest in HTML5 convention. All hyperlinks should work, directing to the content intended and error pages should be handled appropriately.

Test Plan and Updates:

This documentation will include your full test plan and results, which will confirm the testing of how well your product worked during its creation and again at the end of the final testing stage.

This must include:

- details of iterative testing carried out on the product as it was created.
- a record of the changes and adjustments made as a result of testing.
- details of the end testing of the product.
- an explanation of any areas of success and provide justified recommendations for areas that require improvement.

Please review the subsequent grading criteria for more details on the expected elements and topics that need to be included.

Learning Outcomes and Assessment Criteria		
Pass	Merit	Distinction
<p>LO3 Utilise website technologies, tools and techniques with good design principles to create a multipage website.</p>		
<p>P5 Create a design document for a branded, multipage website supported with medium fidelity wireframes and a full set of client and user requirements.</p> <p>P6 Use your design document with appropriate principles, standards and guidelines to produce a branded, multipage website supported with realistic content.</p>	<p>M4 Compare and contrast the multipage website created to the design document.</p>	<p>D2 Critically evaluate the design and development process against your design document and analyse any technical challenges.</p>
<p>LO4 Create and use a Test Plan to review the performance and design of a multipage website.</p>		
<p>P7 Create a suitable Test Plan identifying key performance areas and use it to review the functionality and performance of your website.</p>	<p>M5 Evaluate the Quality Assurance (QA) process and review how it was implemented during your design and development stages.</p>	<p>D3 Critically evaluate the results of your Test Plan and include a review of the overall success of your multipage website. Use this evaluation to explain any areas of success and provide justified recommendations for areas that require improvement.</p>