



ASSESSMENT BRIEF

NFQ Level : HETAC Level 8

Course Name : WebElevate

Learner Details

Stream	2.1	Module	PHP
Title/s	Internet Development	Lecturer	John Rowley
Date Issued	23/10/2013	Submission Date	December 18, 6pm

Brief:

This assignment is in three parts

Part A (25 marks)

Download the brokenproject.zip file. This project creates a record, updates a record and displays a list of records on the screen. This is a php application which is broken in various ways. You are expected to recreate the database, fix syntax errors, include errors, template errors, sql query errors, stylesheet errors, javascript errors. There is no login to this part of the project. It is a simple listing of items from a database.

- a) Fix the errors and get the application running (25 marks)
- b) Add a field to a table and make the corresponding changes to the

Part B (10 Marks)

Write 1 A4 page of between 300-800 words on one of the following PHP topics (or one of your choice), illustrating with code examples / fragments. Write it as it were a tutorial for other students.

- a) Security
- b) Templating
- c) PHP Frameworks
- d) SQL Views
- e) Creating a Virtual Host
- f) Session Handling

Part B (65 marks)

You are required to create property listing website with a front end and an admin back end. The site is to be driven by PHP and MySQL

The front end will show a listing of all properties available for sale. The user will be able to filter the listing based on county, price and house type. Front end filters must reload data using JSON and Ajax

The admin section is protected by a login. Within the admin section you will need to be able to add, update and delete properties for sale. Each listing must have a photograph uploaded.

There will be a flag to indicate whether it is sold or not.

PHP code must demonstrate separation of HTML and PHP. SQL Code must have at least three joined tables and demonstrate dates / timestamps, varchars, integers and auto-incrementing values and foreign keys. House types will include detached, semi-detached, terraced. Houses must have at least 3 address lines and a county.



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Instructions:

Specific Instructions:

House addresses should only be a street address and a county. Specific suburbs of Dublin, postal codes etc. are not required.

The date the house listing was created / updated should be stored in the database and displayed in the backend. It does not need to be shown publicly.

There is no requirement to manage admin users. Create a single admin user whose credentials are stored in a adminuser table. Username should be 'admin' and password should be 'letmein'

From a UI perspective, you are expected to use some form of CSS framework - such as the 960.gs framework or Twitter's Bootstrap and a templating system such as Smarty.

All code and documents should be compressed as a zip or archive file. It must contain file with the SQL setup (structure and data) required to recreate your site on a local machine.

There should be a configuration file with variables clearly commented indicating what needs to be changed for a local set up - e.g. db name, db user, db password etc.

Ensure you do NOT use personal passwords for your project (i.e. passwords you would use for email etc.)

Username for backend should be 'admin' and password should be letmein

Additional Notes:

The following is the sort of listing you might produce:

Caution:

- Deferral of assessment can only be made under exceptional circumstances and by applying directly to the Quality Assurance Manager (qa@webelevate.ie) and completing a Personal Circumstances form (obtained from Moodle under the “course documents” section in Training and Support) with details in the participant handbook section 6.1.3. These must be **received and agreed in advance of the submission date** or work will be deemed as not received.
- Re-check and re-mark procedures are also outlined in the participant handbook, sections 6.1.4 and 6.1.5 (with forms obtained from Moodle under the “course documents” section in Training and Support)
- DSA policy on plagiarism and collusion are detailed in the participant handbook, sections 6.3 and 6.4.
- There is a two week period after results are submitted, for any more general enquiries on assessment results, after which quality assurance queries **will not be considered**.
- Submissions must **strictly adhere to the instructions** on the Assessment Brief, including the **correct format for digital submissions**
- Participants must sign off when handing in work

Grading:

Evidence	Total %	% for this Assignment towards overall Grade
<p>Working website without PHP server errors, database error messages.</p> <p>(It is not good enough to turn error reporting off, tests will be run using error reporting)</p> <p>Evidence of separating html and PHP code into models, views</p>	20%	



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Clear Database Structure demonstrating auto increment, varchar fields, enums, consistent unambiguous field names, relational links (foreign key integrity not required). Demonstrated usage of INSERT, UPDATE, DELETE statements	15%	
Client Side Validation of All inputs	5%	
Server Side Validation of All inputs	5%	
Demonstration of AJAX and JSON (or XML loading)	5%	
Visual Front End – clean CSS, externalized, CSS templating such as Bootstrap or 960.gs	5%	
Clarity of instructions to enable lecturer to recreate your build on a local site, including sql setup code dumps	5%	
Use of Application Framework such as Zend, Code Igniter or Symfony	5%	