

Database 4 Assignment #2:

25% Overall Mark – Submission 1th December 2014

You will develop an online system of your choice that uses PHP and a MySQL database. You may also incorporate a NoSQL database but this is not a mandatory requirement of the project.

The system will have the following requirements:

- Register new Users on the System either by self-registration or by another User.
- Each user will have a set of attributes such as ID, First Name, Surname etc
- There will be 2 or more types of users on the system each with different privileges.
 - A normal user will be allowed Create, Read, Updates and Deletes on their data.
 - A user with higher privileges will be allowed to carry out up to 5 different reports on the data of all users and have the data presented in a readable form such as a table
 - It is expected that the reports will combine data from a number of different tables.

The database will have the following requirements:

- The MySQL database must be Normalised to 3NF.
- The database will use Stored Procedures to execute queries

Please ensure the following:

- All code is well commented

You will submit to Moodle the following:

- A short document on November 18th that contains a:
 - Short description of the system you are creating
 - Number of Wireframes (Moqups) of your pages showing the flow through your site
 - The database schema
- A document on the submission date that contains the following:
 - A clear and detailed description of what the system does
 - Wireframes for the site
 - A schema diagram and full SQL code for the database.
 - A description of each Stored Procedure
 - A description of each php file.
 - A printout of all code as an appendix to the document
 - A number of screenshots describing all the important functions of the system
 - A description of each report and the SQL used to generate each report
- A Screencast of no longer than 5 minutes that describes your system and a number of the key operations of the system.

- The Rubric is to be completed by you and you should highlight the mark you feel you have achieved on each section. This rubric should be included as a separate document.

Note: The document submitted on November 18th will be used to provide feedback to you. You must submit this document, it is not optional.

Document format will be: Sans Serif font, Size 12, Justified, Line Spacing 1.5.

You will submit Uniform Server/WAMP/XAMPP, the document, screencast and marking rubric as a ZIP file. Please verify the system starts on another PC other than your own.

Late assignment submissions are subject to a penalty of 20% per week reduction in the marks available as per the student handbook.