**Database/ Graphics 4 Assignment: Project**

**30% Database/10% Graphics - Submission 8th December 2017 at 11pm**

You will develop an online system of your choice that uses a suitable framework and a MySQL database.

The system will have the following requirements:

* Register new Users on the System.
* There will be 2 or more types of users on the system each with different privileges.
* Reports should be generated and it is expected that the reports will combine data from a number of different tables.
* Use of highcharts to visualise the reports or site activity is required for the graphics portion

The database will have the following requirements:

• The MySQL database must be Normalised to 3NF.

• The database will use Stored Procedures/ Triggers to execute queries.

Please ensure that all code is well commented.

You will submit documents to Moodle that contain the following:

* A report that gives a clear and detailed description of what the system does and includes the following.
  + Wireframes for the site should be included in your report. You could use www.moqups.com to create the wireframes.
  + A schema diagram and full SQL code for the database.
  + A description of each Stored Procedure/ Trigger.
  + 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.
  + Details of the database development stage.
* The application should be hosted in XAMPP
* Document format will be: Times New Roman, Size 12, Justified, Line Spacing 1.5.

These should be submitted as a ZIP file to Moodle.

**Important**

* **The project can be completed in groups of two.**
* **Plagiarism will be dealt with accordingly.**
* **Late assignment submissions are subject to a penalty of 20% per week reduction in the marks available as per the student handbook.**
* **No offensive or inappropriate content.**
* **Creating a system that is a direct replica of another system is not appropriate.**