**Web Application Development**

**Project Specification**

**Project: 70%**

You are to develop, test and defend a data-driven PHP website, to illustrate the topics of the module.

See the diagram below specifying the scope of the project, and criteria for different grades.

**Stage 1:** Upload a paragraph giving an overview of your chosen case study, listing some typical use-cases of your proposed website. (See the provided examples below for the kind of paragraphs to write).

**Stage 2:** Talk to your lab tutor about you uploaded paragraph / project idea, to ensure that what you are proposed is good as a project idea in terms of size / complexity / user actions requiring web application components to demonstrate the module’s topics

**Stage 3:** progressively develop your project throughout the semester, bringing your project into labs to get feedback from your lab tutor.

(so that when it comes to your one-to-one demo-defence after project submission, you don't learn too late if the project you have created has fundamental weaknesses in terms of the grading criteria)

**NOTE: Sources and plagiarism**

This project is an individual project. All work submitted should be your own, except for any images you use, and any HTML/CSS/JS templates. You should document all image and client-side code sources in file /public/sources.txt

All code and text content should be your own original work. However, you may use and modify any example code from the lectures/labs/evote-dvd case study without any need to reference such sources.

You should NOT use any PHP code from other sources, with the exception of full PHP components which you install using Composer. Your composer.json file lists all project dependencies for third-party components, so there is no need to acknowledge any such components any further.

You may use and modify any example code from the lectures/labs/evote-dvd case study without any need to reference such sources.

You may (and in fact are encouraged to) use full PHP components which you install using Composer. Your composer.json file lists all project dependencies for third-party components, so there is no need to acknowledge any such components any further.

You may NOT use other PHP code inserted into your own classes in your /public or /src folders - i.e. your PHP code in index.php and all your OO classes must all be your own code.

While you may get IDEAS for code to solve particular problems from other sources, you must WRITE all lines of code yourself and full understand every line of code in your classes and index.php files. Remember by submitting this project you are declaring that it is all your own individual work unless explicitly and unambiguously acknowledged by you.

**Here are some example project ideas:**

**Example 1:**

Website for taekwondo-do students. (1) student can see what belts they have passed (2) student can see list of topics for modules currently studying for (3) students can see which current-module topics lecturer has signed off as ready to grade (4) students can see overall current module status as either “all topics signed off – ready to be examined” or “2 lists, list of topics signed off, and list of topics not yet signed-off”

**Example 2:**

Website for year 3 CDM placement applications: (1) placement lecturer can post up a new JOB and its DEADLINE (2) (before DEADLINE) students can click to APPLY for a job and upload their CV (3) (after DEADLINE) employer can log in and download student CVs of those who applied (4) placement lecturer can change student status as being EMPLOYED (so student cannot apply for any more jobs!)

**Example 3:**

Computer shop “computers & chips” – specialises in second hand games and consoles. (1) list of games for sale (2) list of second hand consoles for sale (3) shopping cart (4) admin – shop owner can CRUD create-read-update-delete items for sale in DB (5) customers can login (if have registered with shop owner) and see discounted prices (6) shop owner can see ‘log’ of who logged in when and what they looked at …. (7) admin – shop owner can CRUD users (8) admin – shop ower can update customer discounts PER ITEM

