Course Project – Phase One

To apply the skills you have acquired in COMP1006, our course project will involve building a simple application. For Phase One of this project, your application will include the following functionality:

APPLICATION REQUIREMENTS

1.) using PHP, the ability for users to add, view, delete and update information obtained via an HTML form and store in a MySQL database

2.) Client-side and server-side form validation (including Google reCAPTCHA)

3.) A simple interface design using Bootstrap

ADDITIONAL REQUIREMENTS

1.) Developer should utilize proper version control process

2.) Web app should be tested, debugged and launched on a production server

3.) Code must be commented, explaining application logic

4.) A short project review/retrospective should be included documenting challenges/success/next steps. This can be submitted as a written document or a video recording.

Application Options:

Students can choose from the following application ideas. If you would like to create a different application, please connect with me for permission to ensure all project requirements are met.

Application One : Team Tracker

This application will allow users to manage and keep track of their team members (you can choose to focus on your favourite sport - baseball, basketball, cricket etc.). This application will allow users to add first name, last name, position, phone number, email and team name for each team member and view all team member information. This application will also provide users with the ability to update team member information as well as delete team members.

Application Two: Resume Builder

This application will allow users to build an online resume. Users should be able to add their first name, last name, current position, list of skills, email, phone number and a short bio paragraph and display this information . Users will be able to update their information as well as delete information.

Application Three: Time Tracker

This application involves building a time tracker. Users should be able to add the name of the task they are working on, the category this task falls under whether it is high-priority, medium priority or low-priority, the due date and the amount of time spent on this task. Users should be able to view all tasks, update task information and delete tasks.

Application Four: Blog/ CMS

This application will involve building a blogging platform or content management system (CMS). Users should be able to add a blog title, date, body copy and category for their blog post. Users should be able to view all posts, as well as edit/delete information.

IF YOU ARE UNCERTAIN ABOUT PROJECT REQUIREMENTS, ASK ME FOR CLARIFICATION!!!

Learning Objectives:

1. utilize a variety of basic programming structures (variables, loops, functions etc.) in a popular scripting environment on a Web server;
2. create scripts that dynamically generate Web pages containing valid HTML (Hypertext Markup Language) clearly separating structure, presentation, and behaviour in the Web browser;
3. develop scripts that validate form input on the server;
4. design, program, and implement Web pages that interact with Web-enabled databases performing simple CRUD (Create, Read, Update, Delete) operations
5. deploy program to production Web server;

Assessment:

You will be assessed on the following:

	Not Quite	Getting There	Great Work	Awesomesauce

PHP (4 marks)	Developer includes code that is not valid or properly formatted Code commenting explaining application logic is not included or incomplete (1 mark)	Developer includes code that is somewhat valid and well-formatted Code commenting explaining application logic is sometimes include but lacking description. (2 marks)	Developer includes code that is mostly valid and well-formatted Code commenting explaining application logic is mostly present and includes some detail. (3 marks)	Developer includes valid and well-formatted code. Code commenting explaining application logic is present and detailed. (4 marks)
Version Control (1 mark)	Developer did not utilize proper version control (0 marks)	Developer included some version control processes (0.5 marks)	Developer utilized most version control strategies (0.75 marks)	Developer utilized appropriate version control strategies (1 mark)
Form Validation (4 marks)	Developer did not include appropriate form validation where needed (1 mark)	Developer included some form validation where needed (2 marks)	Developer included most form validation where needed (3 marks)	Developer included all appropriate form validation where needed. (4 marks)
Application Functionality (8 marks)	Required functionality is missing. App does not function as expected. (2 marks)	Some functionality is present. Most functionality works well and meets the app requirements. (4 marks)	Most functionality is present. All functionality works well and meets the app requirements. (6 marks)	All functionality required is present. All functionality works well and meets the app requirements. (8 marks)

Deployment	Application was not deployed.	An attempt to delay application is evident.	Application was deployed to production server with some issues.	Application was successfully deployed to production server.
(2 marks)	(0 marks)	(0.5 marks)	(1 mark)	(2 marks)
Project Review **(1 mark)**	Project review is missing.	Project review was included but is missing information.	Project review is included. All information is present. Review could be strengthened by the addition of more detail/ information.	Project review was completed with a high degree of insight and professionalism.
	(0 marks)	(0.5 marks)	(0.75 marks)	(1 mark)

Project Due Date:

Phase One Due Date

Section 01 - Feb 11th @ 11:59pm
Section 02 - Feb 13th @ 11:59pm

Project Weight:

Phase One : 15% of final grade

Submission Details:

Please include the following in your submission

- Link to GitHub Repo (please make private, remove DB credentials and add me as a collaborator - my username: JessicaGilfillan)

- Link to your LIVE APPLICATION on production web server
- Project Review (written or video)

!important

Please ensure that any work you submit is your own unique and independent work. Work submitted that is found to be not your own unique, and independent work will be subjected to a grade of 0 and considered to be academic misconduct.

Your project may be subjected to an in-person code review in which you will need to explain your code/logic.