Assessment Overview

Coursework Overview

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CSC348/M48 Web Application Development Assessment

Introduction

The aim of the assessment is primarily to ensure you have met the learning outcomes which can be found in the module description. In addition, the coursework has been designed to achieve the following objectives:

- To provide evidence that you can work effectively with Laravel.

- To encourage you to independently research the concepts relating to web application development.
- To enable you to produce a web application you could use in a portfolio when applying for jobs.
- To give you the opportunity to stretch yourself and produce a high-quality web application to be proud of.

You will be given a project brief to design and implement a small web application. There will then be two pieces of coursework: a code review and the application itself. These components will all be submitted via blackboard. By submitting this coursework, electronically and/or hardcopy, you state that you fully understand and are complying with the university's policy on Academic Integrity and Academic Misconduct. The policy can be found at **https://www.swansea.ac.uk/academic-services/academic-guide/assessment-issues/academic-integrity-academic-misconduct** **(https://www.swansea.ac.uk/academic-services/academic-guide/assessment-issues/academic-integrity-academic-misconduct)** . Handing in your coursework after the deadline will result in a mark of zero. Module lecturers do not deal with or make decisions on extenuating circumstances, contact faculty teams if you need to apply for extension, see instructions on the Computer Science hub canvas page.

There is no exam in this module, so this is a significant piece of coursework. You will need to start working on it long before the deadline. Spend a little bit of time on it each week and come and get help at the lab sessions if you need it.

Project Brief

Your task is to plan and create a simple web application, using Laravel, which has the following basic functionality:

1. Users can create posts and comment on their own and other users' posts.
2. (Masters only) Basic analytics is displayed for posts, for example number of unique views.

For example, you could create a simple blog where the admin can post articles which users can comment on, or a simple version of canvas where admin (or lecturers) can post lecture slides and students can comment on them. **This is the basic functionality only, it is up to you to look at the mark scheme and add functionality to evidence various skills. Plan this before you start.**

You will be required to hand in various pieces of coursework throughout the semester. This will require good time management to balance it with other modules, if this is something you struggle with watch the

video **(https://www.youtube.com/watch?v=9Sr9UHUf6-E)**

I made about how I manage my own time.

		Weighting	Deadline
Coursework 1a	Code Submission	20%	5th November
Coursework 1b	Code Review	10%	12th November
Coursework 3	Implementation	70%	10th December

Coursework 1 – Code Submission and Review (30% total weighting)

An important part of working in a software engineering organisation is code reviews. In this process engineers look at each other's code to spot bugs and ensure standards are being adhered to.

You must first submit all the source code relevant to setting up your database relationships and seeding. This should be submitted as a pdf which includes syntax colouring.

- You will then be assigned to review and mark another student's code (within one week)

- I will mark both your code and your reviews. You will get assigned 5 students to write a code review for - your mark for coursework 1b will be the percentage of reviews you complete.

Rubric Used for Marking Code Submission 2122 (https://canvas.swansea.ac.uk/courses/24781/files/2283956?wrap=1) ↓ (https://canvas.swansea.ac.uk/courses/24781/files/2283956/download?download_frd=1)

Coursework 2 – Implementation (70% weighting)

This is the implementation of your web application using Laravel. There are several elements for you to submit. These are all done as answers to a blackboard test.

- You are required to submit a .zip file containing all your source files, the .zip file is required to be titled as your student number – failing to do this will be considered not meeting basic requirements. **If your application does not meet these basic requirements it will be considered not working code. F**ollowing guidelines *to the letter* is an essential skill for a web developer and software engineer. Source files alone will not be assessed, you must also submit (2) and (3).
- You are required to submit an up to **180 second video** which evidences the rubric rows "Progress", "User Presence" and "Working with Data". If aspects are not shown in the video, you will not receive marks for them. You may want to show some code in your video.
- You are required to answer several short questions to show that you understand the framework. This will require you to identify where in your code you have evidenced good practice.

You should ensure you understand the marking method/scheme you start working and design your implementation to clearly show me the skills. I will only give marks for what is shown in the video and questions you have answered yourself; I will check that you are correct before giving the mark.

Rubric Used for Marking Final Submission (https://canvas.swansea.ac.uk/courses/24781/files/2283960?wrap=1) ↓ (https://canvas.swansea.ac.uk/courses/24781/files/2283960/download?download_frd=1)

Extenuating Circumstances

All extenuating circumstances or extension requests need to be done via the faculty system which can be found **here** **(https://fse-intranet.swan.ac.uk/)**. Module lecturers are not involved with extenuating circumstance decisions and can not make any decision based on these - so do not contact me about this sort of thing - doing so might delay your request.

Getting Support

At any time if you are feeling worried or stuck with your project ask for support. This can be done in several ways:

- Google it – this should always be the first thing you do
- The discord
- I will leave time at the end of each lecture for you to ask questions
- Attend the timetabled lab classes
- Ask each other for help on discord or in real life
- Send me an e-mail (I work 9-5 Mon-Fri)
- Come to my office hour
- Engage with me, suggest topics I should go over in more detail in lectures or could make a video tutorial about. If it is possible I'll do it.

Asking for support will in no way effect your final mark.