University of Central Lancashire UCLan	**UCLan Coursework Assessment Brief**	2023-2024
	Module Title: Web Technologies	
Department of Computer Science	Module Code: CO1707	Level 4
	Assignment 2: Server-side Implementation	This assessment is worth 60% of the overall module mark

THE BRIEF / INSTRUCTIONS

This assessment requires you to demonstrate your understanding of the materials covered in Semester 2.

- You must follow the design requirements are outlined on Blackboard. The resources (assets, media, database schema) required to complete this assignment can be found on Blackboard (see 'Assessments').
- You are required to develop a back-end solution to complement the front-end application from Assignment 1. Your solution should provide interaction from the server-side, which includes writing, reading, updating and deleting (CRUD) relevant data in a database (the database schema and data will be provided for you).
- Your web application should extend previous work and should use PHP for handling the server-side scripts to communicate with the backend services. You may update the design of the front-end application should you wish, as an improved front-end service may more easily interface with your back-end solution.
- A standard database schema is provided for you (see Blackboard). You are expected to implement this schema in your assessment, although reasonable changes are permitted to the structure, tables, data types etc. If you do make these changes, ensure you document what you changed in the README file.
- You are expected to utilise UCLan's 'Vesta server' (vesta.uclan.ac.uk) and not any local server / private server, as this cannot not be accessed by your tutors. Instructions on connecting and transferring files to the Vesta server are provided in the lab worksheets, but if you forget your password or have difficulties with using the server, you should open a support ticket with LIS via liscustomersupport@uclan.ac.uk.

PREPARATION FOR THE ASSESSMENT

- Completion of the lab materials will provide formative feedback in preparation for this assessment.
- Lectures and labs intend to ground your understanding of Web topics wich are required for this work.
- You are expected to continue your reading as independent study, alongside your timetabled sessions.

RELEASE DATES AND HAND-IN DEADLINE

Assessment Release date: 30 / 01 / 2024 09.00
Assessment Deadline date and time: 22 / 03 / 2024 22:00*

You must submit your files via Blackboard before having a demo conducted.

Please note that this is the final time you can submit – not the time to submit!
Your feedback/ feedforward and grade for this assessment will be provided within 15 working days.

SUBMISSION DETAILS

You must submit your solution via the submission link on Blackboard. You must submit a .zip file with the naming structure **"surname_firstname_assignment2"** containing all files created for this assessment. You are also advised to test your submission to verify everything works as expected (i.e., unzip, build, and run files). Your demo will require that you have access to the Vesta server, and so ensure that your solution is uploaded to the server correctly and have your access credentials (username, password) ready at the start of the demo (timetabled labs).

Unfair means: this is an individual assignment, and you are not permitted to work in groups. Cheating is using or attempting to use unfair means to enhance performance. This includes plagiarism (presenting someone else's work as if it was your own), collusion (working with others on an individual assignment) and allowing other students to access your assignment work. If two students share the same work, then both will be considered as unfair means, and so you should never let another student see your assessed work.

Students are NOT permitted to make use of CSS frameworks (e.g., Bootstrap) or libraries (e.g., React) in completion of this assignment. All code, assets and media must be written by you, or supplied to you by your tutor.

Students are required to reference (via commentary of code) any external sources they have used in completion of this assignment. Students must consult their UCLan Student Handbook for guidance on referencing. The Library support materials, including guidance-on-referencing-code, should also be consulted. Please speak with your tutor if you are unsure.

LEARNING OUTCOMES ASSESSED BY THIS WORK

Learning outcomes assessed by this assignment (from the module descriptor):

- Develop an understanding of back-end development to build a data-driven web application.
- Justify a choice of interaction methods and identify appropriate contexts of use for web applications.
- Demonstrate an awareness of current industry standards including security, accessibility, and design.

MARKING CRITERIA

The marking criteria indicate how these learning outcomes will be assessed in further detail. We expect students will use tutorials or sample code to aid your understanding, but if you include code from a tutorial or any other source in your work then this needs to be referenced appropriately, just as you would when quoting a source in a report (e.g., you can reference the source of any sample code or lab template through commentary in your code).

HELP AND SUPPORT

- Support will be provided in timetabled labs. You can ask questions during labs. You may request a meeting with a tutor during their office hours (as published on Starfish).
- For support with using library resources, please contact our subject librarian subjectlibrarians@uclan.ac.uk. You will find links to lots of useful resources in the My Library tab on Blackboard.
- If you have not yet made the university aware of any disability, specific learning difficulty, long-term health or mental health condition, please let us know. The Inclusive Support team will then contact you to discuss reasonable adjustments and support relating to this. For more information, visit the Inclusive Support site.
- To access mental health and wellbeing support, please complete our online referral form. Alternatively, you can email wellbeing@uclan.ac.uk, call 01772 893020 or visit UCLan Wellbeing Service pages for information.
- If you have any other query or require further support you can contact The Student Support Centre. Speak with us for advice on accessing all the University services as well as the Library services. Whatever your query, our expert staff will be able to help and support you. For more information, how to contact us and our opening hours visit Student Support Centre.
- If you have any valid mitigating circumstances that mean you cannot meet an assessment submission deadline and you wish to request an extension, you will need to apply online prior to the deadline.

| Disclaimer: The information provided in this assessment brief is correct at time of publication. In the unlikely event that any changes are deemed necessary, they will be communicated clearly via e-mail and a new version of this assessment brief will be circulated. | Version: 1 Updated 01/10/2023 |