

IEMS5718 WEB PROGRAMMING AND INTERNET SECURITY (2024-25 TERM 2)

ASSIGNMENT MARKING GUIDELINES

GENERAL GUIDELINES

The assignment is designed to let students practice what they have learned in the course. Students must be aware of web application security throughout the web development. The whole assignment is split into **7 phases**, leading all the way to a creative and functional **shopping cart** upon completion. Students should take a real-world website, pns.hk, as a reference. In the assignment, students are expected to understand and apply proper security design principles and programming skills, regardless of which programming languages and libraries the students desire to use. The marking checklist included in the next page therefore outlines only the general requirements with a result-oriented basis in order to encourage students' creativities. For detailed guidance, students should refer to both lecture and tutorial notes.

HONESTY IN ACADEMIC WORK

CUHK places very high importance on honesty in academic work submitted by students, and adopts a policy of *zero tolerance* on cheating in examinations and plagiarism. Students are NOT allowed to submit anything that are plagiarised. Therefore, we treat every assignment our students submit as original except for source material explicitly acknowledged. We trust that students acknowledge and are aware of University policy and regulations on honesty in academic work, and of the disciplinary guidelines and procedures applicable to breaches of such policy and regulations, as contained in the website <http://www.cuhk.edu.hk/policy/academichonesty/>.

USE OF ARTIFICIAL INTELLIGENCE (AI)

Approach 3 - Use only with explicit acknowledgement. In courses where students are allowed or expected to collaborate with or use AI tools, students may use these tools for in-class learning activities, exercises or assignments as long as they explicitly cite or acknowledge the use of these tools. Details will be spelt out clearly in the course outline and/or the instructions of the assignments. Students shall follow the instruction strictly and are expected to understand the limits and appropriate uses of these tools.

A declaration ([https://www.cuhk.edu.hk/policy/academichonesty/Eng_hm_files_\(2013-14\)/declaration_en.doc](https://www.cuhk.edu.hk/policy/academichonesty/Eng_hm_files_(2013-14)/declaration_en.doc)) must be submitted along with the assignment. If AI tools are used, the student must provide a full transcript, including the prompts and responses from the AI tools, in a separate document AI_transcript.pdf (in PDF format).

SUBMISSION POLICY

Students must package **all of their source code** and any external resources (e.g. a database or the setup schema/script, images, CSS and JavaScript files) **into a zip file and submit it to the Blackboard**. Each phase is associated with a firm submission deadline.

Github Repository: Students are **strongly advised** to maintain their code in (private/public) Github repository under their Student account (register with CUHK email via <https://education.github.com/pack>). The commit records can serve to prove effort/claiming bonus towards the project. Students will be asked to share the repository with the teaching team if necessary.

- *Early Submission Incentive* – However, for every 48-hour advanced submission in one phase, the deadline for phase 4, 5 or 6 can be extended by 24-hour, and no part thereof is accepted. For instance, submitting 100 hours earlier in phase 1 deadline will gain an extension of 48 hours for the phase 4, 5 or 6 deadline. (max. cap applies)
- *Late Submission Penalty* -- Late submission will lead to your mark reduction by the formula 0.9^n , where n is the round-up number of days delayed (e.g. Assume your score is N and your submission is 9 hrs late $\rightarrow 0.9 \times N$, 25 hrs late $\rightarrow 0.81 \times N$, 49 hrs late $\rightarrow 0.729 \times N$, and so forth).
- *Final Demonstration* – Students will **document their project** with Markdown (or a PDF file). The TA will then grade it according to the documented features and **reproducibility of the same result**.
If needed (in case of suspected plagiarism or ambiguities), a follow-up live demonstration session will be arranged.