ICT 2040Y(3) – WEB-CENTRIC COMPUTING (L/P – 6)
2024 - Group Project

Department of Information and Communication Technologies

Faculty of Information and Digital Technologies

University of Mauritius

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Expected Outcome:
Students are expected to integrate the different concepts from the class on a real/fictitious project. The project will consist of the creation of a fully-functional web application which will help improve a particular business you have identified.

The project scope should be finalized by the end of week 3 of semester 1. Students are expected to have a brief overview of the business and come up with all the functional requirements of the system and model their systems accordingly using UML/ERD's/Flowcharts.

The project should consist of both a front end and a back end. It is up to the team members to identify the best mode to divide the work. One way is to divide the work into the user-front end and back end of the system. All of the codes and requirements should be in the context of your project, and not some arbitrary codes/designs that you found and adapted from the Internet. You are also expected to demonstrate understanding and answer questions about HTML, PHP, JQuery, CSS, JSON, Webservices, Laravel and other web related technologies.

Although you are a group, you will be marked individually based on your contribution to the project. In this respect, you will need to submit details of your individual contributions (in terms of percentage) along with the project. If you do not submit this information, you will be given the same marks.

Things that will bring you additional marks for assignment:
- Ability to show that you have modularised your project.
- Use of naming conventions and good programming principles in your project.
- Ability to demonstrate that you learnt new techniques/technologies on your own (e.g. Bootstrap framework)

Expected Deliverables:

Week	Deliverables
4	Functional Requirements including (UML, ERD, flowcharts)
5	Database Design and implementation on any database platform (MySQL)
10	Project Demo (online) Powerpoint for overview, functional specs, individual contribution and demonstration (Including HTML, JQuery, PHP and database connectivity)
20	Project Demo (online submission) Powerpoint for showing changes from first presentation, individual contribution and demonstration (including publishing/consuming some web service, AJAX, JSON, JSON Schema, Laravel)