



KK34703: WEB ENGINEERING

Faculty of Computing and Informatics

Semester 1 2023/2024

GROUP PROJECT (20%):

Due: Week 14

Group members: 4-6 per group

LEARNING OUTCOMES

CLO3 - To build a responsive full-stack web application that includes data modelling, user interface design and server-side scripting based on user requirements and specification. (P4, PLO3)

Instruction

1. The project title can be the same as your database subject project title or you can propose a new title. The project should have a minimum of **8** modules and each member should be in charge of **2** modules (put in the comment who authored the source code).
2. You can use external stylesheet/framework integration for this project, but you will only be evaluated based on the original amount of work you have done and creativity.
3. Project documentation:
 - a. Produce a table of Project Specification of each module and submodules as below.
 - b. Print screen your MySQL database design, tables, and columns with sample data.
 - c. Print screen the user interface and output of each module of your system.
 - d. Attach the source codes (zip all the folders) and upload together with your project documentation.

#	Modules and submodules	Description	User Types	CRUD Operations	Priority
1	User Authentication 1.1 Registration 1.2 Login/Logout 1.3 Forgot password. 1.4 Account management	<ul style="list-style-type: none">This module is for authenticated users to manage their profile.	Restaurant Admin, System Admin, Customer	<ul style="list-style-type: none">Create user records,Read user information,Update user information,Delete user records (only System Admin)	1
2	Restaurant Management 2.1 Restaurant Profile 2.2 Food management	<ul style="list-style-type: none">This module is for the Restaurant Admin/owner to manage the restaurant's information.The list of food sold by each restaurant and the categories will be managed in this module.	Restaurant Admin	<ul style="list-style-type: none">Create, Read, Update, Delete restaurant profile records.Create, Read, Update, Delete restaurant food records.	1

4. Project presentation:
 - a. Each group will present their project (date and time will be set later)

Evaluation Rubric

Attributes /Criteria	Weight (%)	Unsatisfactory 1	Poor 2	Satisfactory 3	Good 4	Excellent 5
Technical Skill – Guided Response (P3) Task: Responsive GUI Design using HTML and CSS	20%	<ul style="list-style-type: none"> - Very poor, inconsistent layout design and not responsive. - Very poor use of CSS (Cascading Style Sheet). 	<ul style="list-style-type: none"> - Poor, inconsistent layout design and not responsive. - Poor use of CSS (Cascading Style Sheet) 	<ul style="list-style-type: none"> - Minimal, inconsistent layout design and responsive. - Minimal use of CSS (Cascading Style Sheet) 	<ul style="list-style-type: none"> - Good, consistent layout design and responsive. - Good usage of CSS (Cascading Style Sheet) 	<ul style="list-style-type: none"> - Very neat, and consistent layout design and responsive. - Proper and good usage of CSS (Cascading Style Sheet)
Technical Skill - Guided Response (P3) Task: Data Modelling	20%	<ul style="list-style-type: none"> - Illogical database design and modelling 	<ul style="list-style-type: none"> - Poor database design and modelling 	<ul style="list-style-type: none"> - Satisfactory application of database design and modelling 	<ul style="list-style-type: none"> - Good application of database design and modelling 	<ul style="list-style-type: none"> - Very good and proper formulation of database design and modelling
Technical Skill - Mechanism (P4) Task: System Functionality & Validation	30%	<ul style="list-style-type: none"> - All modules not functioning. - Major validation problem. 	<ul style="list-style-type: none"> - Many modules not functioning. - Not all validation is working. 	<ul style="list-style-type: none"> - Some modules not functioning. - Most validation for is working properly. 	<ul style="list-style-type: none"> - All modules functioning. - All validation is working properly. 	<ul style="list-style-type: none"> - All modules functioning very well. - All validation is exceptionally working.
Technical Skill - Mechanism (P4) Task: Code Quality and Organization	20%	<ul style="list-style-type: none"> - Code is chaotic, making it difficult to understand. 	<ul style="list-style-type: none"> - Code is disorganized and lacks clarity. 	<ul style="list-style-type: none"> - Code is somewhat organized, with room for improvement 	<ul style="list-style-type: none"> - Code is organized, and mostly follows best practices. 	<ul style="list-style-type: none"> - Code is well-organized, clear, and follows best practices.
Technical Skill - Mechanism (P4) Task: Ease of Use and Creativity	10%	<ul style="list-style-type: none"> - Did not apply Ajax, JavaScript or any other creative medium. 	<ul style="list-style-type: none"> - Minimal use of Ajax, JavaScript or any other creative medium. 	<ul style="list-style-type: none"> - Satisfactory use of Ajax, JavaScript or any other creative medium. 	<ul style="list-style-type: none"> - Good use of Ajax, JavaScript or any other creative medium. 	<ul style="list-style-type: none"> - Exceptionally well use of Ajax, JavaScript or any other creative medium.