	FAKULTI TEKNOLOGI MAKLUMAT DAN KOMUNIKASI **UNIVERSITI TEKNIKAL MALAYSIA MELAKA**
	DITM 2123 (WEB PROGRAMMING)
	MINI PROJECT: WEB-BASED SYSTEM

1.0 Introduction

This is a group project (maximum of five students per group). Each group will develop a web application system based on your proposed topic. At the end of the semester, you will demonstrate your project to the class. Your website's functionality and usability, and coding style, all contribute to the grade of your individual project.

   a) The project theme for this semester is **WEB BASED SYSTEM RELATED TO UNIVERSITY OR STUDENT.** You can create any web based system for university or any system for students or staffs.

This is a group project (maximum of five students per group). Each group will develop a web application system based on your proposed topic. At the end of the semester, you will demonstrate your project to the class. Your website's functionality and usability, and coding style, all contribute to the grade of your individual project.

2.0 Objectives

- To develop a web-based application.
- To design a website based on the Three-Tier Technology. Each website must have Business Logics which will be stated under 4.0 (a) and (b).

3.0 Skills Involved

- Analytical skills - Website and Database Design
- Internet research skills - Finding appropriate references and links for your web pages
- Programming skills - HTML, HTML5, CSS, JavaScript, PHP programming and DBMS using MySQL in a Windows environment.
- Creativity skills - Developing an interactive pages and add multimedia elements (text, graphics, animations) into the website.
- Presentation skills - In-class project presentation using PowerPoint and demonstrate the system.

4.0 Project Requirements

a) Minimal Functional Requirements for the website
- Member Registration Page (e.g. Membership information)
- Authentication (e.g. Login-password page, session/cookies)
- Member Area (View, Add, Update, Delete, Searching, Calculation and Produce Report in pdf)
- Business Information (the information about the background of the company, contact details, etc.)
- Form Validation using JavaScript
- Formatting display using CSS

b) ONE additional function of your choice that you would like to add suitable for your project. (Bonus Mark).

c) Presentation (Use PowerPoint slides for your presentation)

d) System Requirements
- Web Server: Apache
- Server-side scripting: PHP
- Client-side scripting : JavaScript, CSS
- Database Server: MySQL

e) Upload your website in any free web hosting or paid web hosting.

5.0 Grading Criteria

Here are some of the things that we will be looking for when grading your projects:

a) Design of the website
- use of readable fonts throughout
- appropriate, large fonts for titles and headings
- proper use of lists
- occasional use of italics and bold
- consistent spacing and indents throughout
- new inline images (at least two) that are appropriate to the topic
- cross linking of your company web pages and your home pages
- large number of links to World Wide Web sites
- use of correct address footers and e-mail links
- overall creativity
- extra features not covered here

b) Functions in the website
- Registration and Authentication
- Business Information
- Member Area
- Form Validation
- Function of your choice

c) Programming Style
- Bug free, unusual inputs and circumstances handled gracefully

- Messages, controls and layout should communicate to the customer how the function works
- All code must be easily understandable and well commented
- Coding style must be consistent and reasonable (An example of an unreasonable style would be one with no indenting)

d) Application Folder
- Must be well-organized (For example, separate folder for images, external scripts)

e) Database
- MINIMUM 3 tables must be created using MySQL to store data / information required.

f) Presentation
- Each group will present a 15 minutes' report on the project and demonstration of the project.
- Presentation slides must be done using Microsoft PowerPoint.
- The following are topics should be included in your presentation
  - *A brief description of the project (Introduction, Problem Statement, Importance of the project)*
  - *Functions available in the system (with print screens)*
  - *Conclusion*
  - *Demonstration project*

6.0 Evaluation Methods

This group project is worth **15%** of the total for the course. Your Assignment 1 grade (project proposal and conceptual design) and Assignment 2 grade (interface and client-side validation), you will recall, is worth 7% and 8% is not included here.

I will grade the project on a scale of 0 – 100 points, as follows:

- 15 points for the design of the website [5.0(a)]
- 35 points for the functions in the system [5.0(b)]
- 10 points for the programming style [5.0(c)]
- 10 points for the structure of the application folder [5.0(d)]
- 15 points for the database [5.0(e)]
- 15 points for the project presentation (Contents, preparation, and presentation skills) [5.0(f)]

In general, work will be rated:

- Unacceptable - work not completed; fails to meet many specifications: E
- Weak: D (not used as a graduate school semester grade)
- Acceptable - all work completed; meets many, but not all, specifications: C

- Good - all work completed on time; meets stated specifications: B
- Excellent - fully meets all specifications and is of exceptional quality: A

Additional points will be awarded for the extras that contribute to professional quality work. Grades may be modified with + and –

7.0 Deliverables

You will use your own personal computer or laptop.

8.0 Project Schedule

Each group is encouraged to complete the following tasks at specified date. This will help the students to complete the project on time and fulfill the stated specifications.

Date	Task
Week 6 (**before 18/04/2022**)	Proposed title and get approval
Week 7 - 8 (**before or on 01/05/2022**)	Project proposal and conceptual design (**Assignment 1 -10%**) **- Please use guideline Assignment 1-**
Week 8 -10	Client-side scripting (design web page, add graphics and links, form validation, etc.) Web server installation and configuration Database
Week 11	Server-side scripting (PHP & MySQL) – Functions
Week 14	Implementation and testing
Week 15 (**13/06/2021 – 17/06/2021**)	Presentation

9.0 Extensions:

Extensions will not normally be granted, except where there is a medical condition or other serious situation that has significantly delayed a student from completing a task. Documentary evidence is usually required. Request for extensions must be made to the subject lecturer in writing.

10.0 Penalties:

You may be penalized for:
- Late submission of final assignment will attract a penalty of 2% of total subject mark per day (up to the value of each assignment).

- Incorrect submission of assignments. Assignments that are not submitted according to instructions may not be marked or may receive a reduce mark up to 50% of total subject mark.
- Late Equipment Return – Student who fails to return borrowed equipment on time may incur a penalty of up to 5% of the subject mark.
- Unoriginal work – all of the work presented or submitted for assessment must be original. Those copied or appropriated from another source without due acknowledgement of the source may amount to plagiarism, which may result action being taken.

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UNIVERSITI TEKNIKAL MALAYSIA MELAKA</td>
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<td colspan="2" align="center">DITM 2123 (WEB PROGRAMMING)</td>
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<tr>
<td colspan="2" align="center">ASSIGNMENT 1: PROJECT PROPOSAL & CONCEPTUAL DESIGN</td>
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1.0 Introduction

This is a group assignment. In this assignment, each group is required to write a proposal of your mini project.

Please register your project theme, title and summary project by using padlet link below:

https://padlet.com/norazlinmohamme/projectList_DITM2123

Each group must submit a project theme, title and summary through the padlet link above before or on (Monday, 18th April 2022) and get your lecturer approval before writing your assignment 1.
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2.0 Objectives

To propose any web-based system/website with functions needed as discussed in the mini project format and create conceptual design.

3.0 Documentation Standards

Write your project proposal according the Project Profiler as follows:
a) Introduction:
- Background
- Problem Statement
- Objectives
- Scope
- Project Significance
- Feasibility Study
- Advantages and Disadvantages
- Features
b) Requirement and Functional Analysis
c) Conceptual Design
- Flowchart
- Site structure design

- Context Diagram
- ERD
- Interface Design

4.0 Evaluation Methods

This group assignment is worth **10%** of the total for the course. I will grade the assignment on a scale of 0 – 100 points, as follows:

- 20 points for introduction [3.0(a)]
- 30 points for Requirement and Functional Analysis [5.0(b)]
- 50 points for the Conceptual Design [5.0(c)]

5.0 Some Reminders

- Late homework will **NOT** be accepted!
- Submission procedure:

    - Each group must submit a project theme, title and summary in the padlet link below:
      https://padlet.com/norazlinmohamme/projectList_DITM2123
    - before or on **(Monday, 18th April 2022, before 5.00pm**) and get your lecturer approval before writing your assignment 1..

    - Hand in a soft-copy of your assignment 1 document before or on **(Sunday, 1st May 2022, before 11.59pm)** in Ulearn Submission.
- Please use attached assignment report cover sheet.

6.0 Extensions:

Extensions will not normally be granted, except where there is a medical condition or other serious situation that has significantly delayed a student from completing a task. Documentary evidence is usually required. Request for extensions must be made to the subject lecturer in writing.

7.0 Penalties:

You may be penalized for:
- Late submission of final assignment will attract a penalty of 2% of total subject mark per day (up to the value of each assignment).
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ASSIGNMENT 1: PROPOSAL
DITM 2123 (WEB PROGRAMMING)

Student ID Number	Full Name
Project Title	
Lecturer Name	**TS. MRS NORAZLIN MOHAMMED**
Due date: 1ˢᵗ MAY 2022	**Course :**

Plagiarism
Plagiarism is the presentation of work which has been copied in whole or in part from another person's work, or from any other source such as the Internet, published books or periodicals without due acknowledgement given in the text.
Collusion
Collusion is the presentation of work which is the result in whole or in part of unauthorized collaboration with another person or persons.

Where there are reasonable grounds for believing that cheating has occurred, the only action that may be taken when plagiarism or collusion is detected is for the staff member not to mark the item of work and to report or refer the matter to the Course Coordinator. This may result in work being disallowed and given a fail grade or if the circumstances warrant, the matter may be referred to a Committee of Inquiry for investigation.
The information on this form is collected for the primary purpose of assessing your assignment.

Student's statement (All students in the group must sign)
We certify that we have not plagiarised the work of others or participated in unauthorised collusion when preparing this assignment.

Group Leader Signature : ……………………………………………………

MARK :

COMMENT: