XIAMEN UNIVERSITY MALAYSIA

厦門大學 馬來西亞分校

DESCRIPTION OF COURSEWORK

Course Code	SWE310
Course Name	Programming Elective II (2): .NET
Lecturer	Teo Bee Guan
Academic Session	2025/04
Assessment Title	Assignment

A. Introduction/ Situation/ Background Information

This assignment is aimed at building a fundamental web page using the .NET Framework. You will gain practical experience structuring web content with HTML, styling its presentation with CSS, and leveraging the .NET environment to serve this content to a web browser. The goal is to create a functional and visually presentable single-page website, laying the groundwork for understanding more complex web development concepts within the .NET ecosystem.

B. Course Learning Outcomes (CLO) covered

At the end of this assessment, students are able to:

CLO 1   Develop software applications using .NET.

C. University Policy on Academic Misconduct

1. Academic misconduct is a serious offense in Xiamen University Malaysia. It can be defined as any of the following:

    i. **Plagiarism** is submitting or presenting someone else's work, words, ideas, data or information as your own intentionally or unintentionally. This includes incorporating published and unpublished material, whether in manuscript, printed or electronic form into your work without acknowledging the source (the person and the work).

    ii. **Collusion** is two or more people collaborating on a piece of work (in part or whole) which is intended to be wholly individual and passed it off as own individual work.

    iii. **Cheating** is an act of dishonesty or fraud in order to gain an unfair advantage in an assessment. This includes using or attempting to use, or assisting another to use materials

that are prohibited or inappropriate, commissioning work from a third party, falsifying data, or breaching any examination rules.

2. All assessments submitted must be the student's own work, without any materials generated by AI tools, including direct copying and pasting of text or paraphrasing. Any form of academic misconduct, including using prohibited materials or inappropriate assistance, is a serious offense and will result in a zero mark for the entire assessment or part of it. If there is more than one guilty party, such as in case of collusion, all parties involved will receive the same penalty.

D. Instruction to Students

1. You are required to work individually.
2. Due Date: **25 May 2025, 11:59 PM**
3. Submit on Moodle - One PDF file (Report) and Source Codes in a zipped Project Folder.
4. Please also submit a copy of the assignment cover page.

E. Evaluation Breakdown

No.	Component Title	Mark
1.	Task 1 – Build a Web Page using the ASP.NET Core framework	80
2.	Task 2 – Writing a report	20
	TOTAL	**100**

F. Task(s)

Task 1 (80 Marks)

In this task, you need to design and develop a multi-page website detailing your personal profile using ASP.NET Core. This task will assess your understanding of web page structure, layout implementation, and basic navigation within a .NET environment.

Requirements:

1. **Website Structure:** Create a website with a consistent layout across all pages, comprising the following sections:

    - **Header:** This section should contain your name as the main heading and a navigation menu to access the other pages.
    - **Content Area:** This section will display each page's specific content.
    - **Footer:** This section should include a copyright notice.

2. **Number of Pages:** The website must consist of at least three distinct pages:

    - **Home Page:** This page should briefly introduce yourself, highlighting your key interests or skills.
    - **About Me:** This page should offer a more detailed description of your background, education, and experiences.
    - **Contact:** This page should provide visitors with ways to contact you, such as an email address or links to professional networking platforms.
    - **Other Page(s):** Any relevant information you wish to provide

3. **Consistent Layout:** Implement a consistent visual design for the header and footer across all three pages. Ensure the navigation menu in the header allows seamless movement between the pages. To achieve this consistency, you should utilize Layout Views in ASP.NET Core.

4. **Styling (CSS):** Apply basic CSS styling to enhance your website's visual appeal and readability. This includes setting fonts, colors, spacing, and potentially basic layout adjustments. You should link an external CSS file to your project.

5. **Technology:** To develop this website, you must use ASP.NET Core with Razor views.

Task 2 (20 marks)

Write a report detailing the development process of your website. This should include:

- A description of your design choices (layout, colour scheme, fonts, etc.) and the reasoning behind them.

- An explanation of how you implemented the consistent layout using Layout Views.

- Detailed explanation of the technologies used in the website development.

MARKING RUBRICS

Component Title	Lab Report					Mark	100
	Score and Descriptors					**Weight (%)**	**Marks**
Criteria	**Excellent (17-20)**	**Good (13-16)**	**Average (9-12)**	**Need Improvement (5-8)**	**Poor (0-4)**		
Task 1 (Functionality)	The website loads flawlessly, and all required pages (Home, About Me, Contact, etc) are fully accessible and function as expected without any errors.	The website loads correctly, and all required pages are accessible, with only minor or no functional issues observed.	The website loads, and the required pages are generally accessible, but there might be some minor functional issues or inconsistencies.	The website loads with difficulty, or one of the required pages is inaccessible or significantly malfunctioning..	The website fails to load correctly, or multiple required pages are inaccessible or severely malfunctioning. Or no attempt at all.		
Task 1 (Navigation)	The navigation menu is exceptionally clear, intuitive, and provides seamless and error-free movement between all three pages.	The navigation menu is clear and functional, allowing easy movement between all three pages with no noticeable issues.	The navigation menu is present and generally functional, but there might be some minor confusion or occasional difficulty in navigating between pages.	The navigation menu is present but difficult to use, or navigation between one or more pages is problematic or inconsistent.	The navigation menu is missing, non-functional, or severely impedes access to the required pages.		
Task 1 (Page Structure)	The header, content area, and footer are correctly implemented and consistently present on all three pages, demonstrating a strong understanding of web page structure.	The header, content area, and footer are correctly implemented and present on all three pages with minor inconsistencies or structural issues.	The header, content area, and footer are generally present on all three pages, but there are noticeable inconsistencies or structural issues.	One or more of the core structural elements (header, content area, footer) are missing or incorrectly implemented on one or more pages.	Multiple core structural elements are missing or incorrectly implemented across several or all pages, indicating a significant lack of structural understanding.		
Task 1 (Visual Styling & Presentation)	The website is exceptionally well-styled demonstrating a clear design aesthetic, appropriate use of fonts colors, spacing, and enhances the overall user experience and readability across all pages.	The website is well-styled, with good use of fonts, colors, and spacing, contributing to a positive user experience and readability across all pages.	The website demonstrates basic styling with some use of fonts, colors, and spacing, but there might be inconsistencies or areas that could be improved for readability and visual appeal.	The website has minimal styling, or the styling applied is inconsistent, detracts from readability, or appears haphazard.	The website has little to no styling, resulting in a very basic and unappealing visual presentation. Styling significantly hinders readability or is absent.		
Task 2 (Report Writing)	Report is exceptionally clear, well-organized, and uses precise language. Reasoning and development process are well-articulated and easy to follow.	Report is clear, organized, and effectively communicates the development process with mostly precise language.	Report attempts to explain the development process but may be somewhat disorganized, use vague language, or contain minor ambiguities.	Report struggles to clearly explain the development process, with unclear language and potential lack of logical flow.	Report fails to provide a coherent or understandable explanation of the development process.		
					TOTAL		

Note to students: Please include the marking rubric when submitting your coursework.