	COURSE: Web Application Development	
	COURSE CODE: DRC2183	**SEMESTER:** 1
	DEADLINE: Week 4	**SESSION:** 2025/2026
	ASSESSMENT TYPE: Assignment	**SLT:** 12 Hours

(Logo: UMPSA — اونيۏرسيتي مليسيا ڤهڠ السلطان عبد الله — UNIVERSITI MALAYSIA PAHANG AL-SULTAN ABDULLAH)

Individual Assignment 1 (20%)

General information:

1. This assignment carries 20% of your total assessment.

2. This is an individual assignment. You must produce your own work.

3. You are required to create web-based application prototype and provide a brief description of the proposed prototype. Please provide your topic and short description on the Google form that is posted on KALAM. The topic must not similar with other students.

4. Upload your assignment to OneDrive provided link in KALAM as a compressed (.zip) file. Name the file into MatricNo_A1_LabSectionNo.zip.

   - Example: RC12121_A1_01A.zip

5. The zip file you uploaded should consists these items:

   - Code folder

   - A PDF file of assignment report consists of Assignment cover, screenshots of the existing webpage, demo video and screenshots of your web application. Please refer to word file that is provided.

6. The evaluation criteria and rules are presented in the next pages.

7. The deadline for this Assignment 1 is on **Friday**, **31 October 2025** at **11:59 PM**.

Course Outcome:

CO1-   Apply the fundamentals of web-based applications within the context of framework technology. (CO1, C3)

Instructions:

You are required to apply your knowledge by creating a **web-based application** on a topic of your choice. The application must demonstrate your ability to utilize ASP.NET framework technology effectively. Below are the criteria you need to follow:

a) Analyze an existing website layout and implement a new design using ASP.NET according to your approach, ensuring that the design fits your chosen topic.

b) The website must apply a proper labeling and textboxes to collect the user inputs.

c) The website should integrate at least three different types of web controls. Examples of web controls include, but are not limited to, Button, DropDownList, CheckBox and others.

d) The website must implement a calculation based on the topic you suggested.

e) Design and implement at least two web pages that are interconnected.

f) The website must be properly formatted for display by using table to organize content in a structured and readable way.

g) The website must apply a good design principle by showing through the creativity, usability and overall user experience.

Evaluation Criteria:

Your assignment will be evaluated based on evaluation criteria in Table 1 and marks will be deducted if the rules are suspected to be violated based on Table 2.

Table 1: Evaluation Criteria

No.	Component	Level of achievement						Weightage	Marks
		0	**1**	**2**	**3**	**4**	**5**		
1	**Use a Proper Web Title** The title explains the page's content and align with the topic.	No title provided	Title is unclear and not meaningful	Title partially reflects the content	Title is incomplete but close to correct	Title is mostly correct with minor issues	Title is complete, meaningful, and appropriate	***0.4**	**2**
2	**Provide Labeling for Elements** Correct and meaningful labels for UI elements related to the topic.	No label provided	One label correctly implemented without error	Two labels implemented without error	Three labels implemented without error	Four labels implemented without error	Five or more labels implemented without error	***1**	**5**
3	**Apply Text Boxes** Text boxes should function properly.	No text box provided	One text box implemented correctly without error	Two text boxes implemented correctly without error	Three text boxes implemented correctly without error	Four text boxes implemented correctly without error	Five or more text boxes implemented correctly without error	***1**	**5**
4	**Apply Images to the Web Page** Images enhance the webpage's presentation.	No image provided	One image placed, but incorrectly aligned	One image placed correctly aligned	Two images added, but alignment could be improved	Two images correctly aligned	Three or more images correctly implemented and aligned	***1**	**5**

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5	**Use Tables to Organize Content** Tables improve readability of the web page. The use of columns, rows, and structure should match the requirements of the topic.	No table provided	Table is poorly formatted and unreadable, with a simple or irrelevant structure	Table is partially formatted with basic columns/rows but contains issues or insufficient complexity for content organization	Table is satisfactorily formatted, using simple columns and rows, with minor issues; adequately organizes content but lacks complexity	Table is mostly organized and readable, using moderately complex columns and rows to structure content effectively	Table is well-formatted, highly organized, and uses complex columns and rows to structure content clearly and effectively for the web application	***1**	**5**
6	**Apply Calculations Using Code** Functions or scripts for calculation must be align with the topic.	No calculation implemented	Simple calculation implemented with major errors and misalignment with the topic	Calculation is partially correct but involves basic logic and contains significant errors	Satisfactorily implemented calculation with moderate complexity but contains some errors	Mostly correct and moderately complex calculation with minor errors	Complex, accurate, and error-free calculation implemented, fully aligned with the topic	***1.6**	**8**
7	**Use other ASP web controls** besides label and text boxes (e.g: Button, DropDownList, CheckBox etc)	No other web controls implemented	Poorly implemented control with major issues	One other web control implemented without error	Two other web controls implemented with minor errors	Two other web controls implemented correctly	Three or more other web controls implemented correctly and error-free	***2**	**10**
8	**Form design and layout** Creative and user-friendly design. The web application should promote	No design applied	Poor design with no consideration for creativeness and user-friendly, leading to a	Design is partially implemented but lacks attention on creativeness and user-friendly, resulting in difficulty to use	Average design that partially considers to user-friendly, with a basic layout and some usability,	Mostly complete design, with a well-organized layout, good usability, and acceptable	Excellent design, with a well-organized, highly usable, and visually appealing	***1**	**5**

#	Criteria								
	usability, aesthetic appeal, and ease of interaction.		confusing, unattractive, and non-functional interface	and visually unappealing	but lacks coherence and creativity	aesthetic appeal.	interface that enhances the overall user experience		
9	**Demonstrate Web Application Functionality** Feedback and navigation are meeting the domain of the topic.	Broken web page or error in loading web pages	One page, feedback/output not appropriately displayed after submission action on the same page	One page, feedback/ output is displayed correctly after submission action on the same page	Two pages, no feedback/output displayed after submission in any of the two pages	Two pages, feedback/output not appropriately displayed after submission in any of the two pages	Two pages or more, feedback/ output is displayed correctly after submission in any of the two pages	*1	5
10	**Provide a demo video** presenting the web application workaround.	No video provided	Poorly made video with unclear explanation	Partial demo shown with limited explanation of functionality	Average demo with basic functionality and some explanation	Demo mostly complete with minor issues but good overall explanation	Excellent demo with full functionality and clear, detailed explanation	*1	5
11	**Documentation Evidence of the Web Application** The elements inside this documentation must have complete elements.	No documentation submitted	Poorly written documentation with missing elements	Partial documentation submitted	Satisfactory documentation with minor issue	Mostly complete documentation with minor issues	Excellent and complete documentation according to requirements	*1	5
							TOTAL		**60M**

Rules:

Marks will be deducted if you fail to deliver the following items:

Table 2: Deduction Marks based on Rules

Items	Deduction Marks
1. Not using provided cover page	3M
2. Not follow submission file name format	3M
3. Submit not in PDF format for the assignment report	3M
4. Agreeable duplicates points among student submission (will be divided into numbers of duplications)	TOTAL MARKS / Number of Duplications
5. Late submission	5M
6. Wrong submission (submitted under different section)	5M
7. Plagiarism or AI generated code detected (no marks at all)	Zero marks

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