CSF3133: Lab Test
SEM 1 2025/26

1   General Instruction

Please read this instruction carefully. You are given **three (3) hours** to do the following:

1. Download **LabTestCSF3133** folder from your moodle.

2. By applying all the knowledge (i.e HTML, CSS, Javascript, Bootstrap) that you have learnt from CSF3133 course, create a functional and visually appealing course website for CSF3133. The website should meet the requirements listed below and demonstrate your understanding of the principles of web design, accessibility, and responsive design.

3. Use CSS to style the pages (create a separate style.css file):

   - Ensure consistency in fonts, colors, and layout across all pages.
   - Apply at least one CSS effect (e.g., hover effect for buttons or links).

4. Use HTML5 semantic tags for structure such as:

   - header
   - nav
   - main
   - footer

5. You are encouraged to use Bootstrap components in your design such as:

   - container
   - card
   - list-group

- button

- grid system (row and column)

- table

6. Save all the created web pages in LabTestCSF3133 folder and make sure that the website is 100% working.

7. Rename the LabTestCSF3133 folder with your **matric number**.

8. Zip your folder and upload it to moodle again before **1.00pm**. You are strongly advised to upload **at least 15 minutes earlier** to avoid any technical issues or system delays that may prevent successful submission.

9. Students are allowed to use any online references, such as W3Schools or other relevant resources, to assist in building the website. However, students are strictly prohibited from using ChatGPT or any other AI tools to generate code or content. Each submission must reflect individual effort and understanding, and students are also strictly prohibited from plagiarizing their friends' work.

Good luck and ensure your work reflects your understanding of web design principles!

2   Detail Instruction

In this section, you will find detailed instructions on how to develop your website. You may refer to the examples provided for guidance, but you are encouraged to refine and personalize your design to make it unique.

2.1   Navigation Bar

Design and implement a responsive navigation bar for a course website that appears at the top of the page.

- The navigation bar must include the following menu items:
    - Home
    - Course Info
    - Assignments
    - Contact
- Each menu item must link to its corresponding HTML page:
    - index.html
    - course_info.html
    - assignment.html
    - contact.html
- The navigation bar must:
    - Display the course title on the left
    - Display menu items on the right
    - The active page must be visually highlighted in the navigation menu.

Figure 1 illustrates navigation bar as a reference.

Figure 1: Navigation Bar

2.2   Header Part

Create a visually clear and consistent page header that appears below the navigation bar.

- The header must include:
  - A main heading indicating the page title (e.g., Course Information)
  - A short descriptive text below the heading
- The header section must:
  - Display white text
  - Align all content centered horizontally
  - Include appropriate vertical spacing (padding)
- Typography must follow good UI practice:
  - Heading should be visually dominant
  - Description text should be smaller and readable
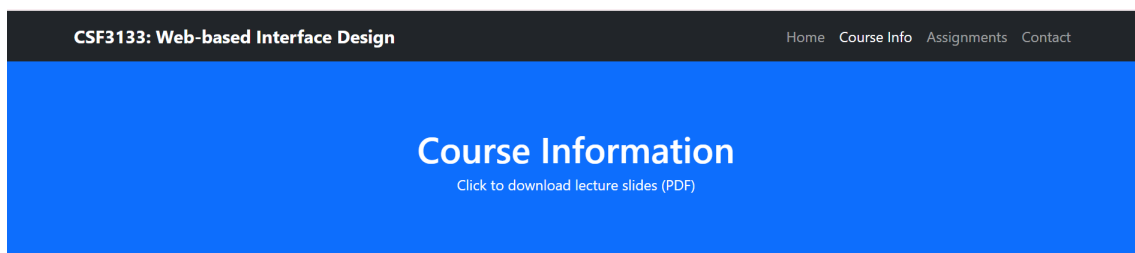
Figure 2 illustrates header part as a reference.

Figure 2: Header Part

2.3   Content Part

2.3.1   Home Page (index.html)

Create an engaging main banner (hero section) for the homepage (index.html) to introduce the course website.

- The banner must include:
  - A full-width image that spans the width of the page

- Text content displayed on top of the image

- The text overlay must contain:
  - A main welcome heading
  - A short motivational tagline
  - A brief descriptive paragraph related to web UI design

- The banner text must:
  - Be clearly readable against the background image
  - Be left-aligned
  - Demonstrate clear typography hierarchy (heading, subtext, description)

Figure 3 illustrates the Home Page as a reference.

Figure 3: Home Page

2.3.2 Course Information Page (course-info.html)

Create a Course Information page and a weekly schedule table.

Part A: Course Information

- Display basic course details inside the ¡main¿ section:
  - Course Code: CSF3133
  - Course Title: Web-Based Interface Design
  - Lecturer:
  - Group:
- The information must:
  - Be clearly readable
  - Use appropriate spacing
  - Follow a clean and simple layout
- Text formatting should:
  - Emphasize labels (e.g. Course Code, Lecturer)
  - Keep content professional and consistent

Part B: Weekly Schedule Table

- Create a weekly schedule table showing:
    - Week number
    - Date
    - Lecture topic
- Each lecture topic must:
    - Be displayed as a clickable link
    - Open the lecture file (PDF) in a new tab
- The table must:
    - Be well-structured and readable
    - Display rows in chronological order

Figure 4 provides an example of the Course Information Page.

Course Code: CSF3133
Course Name: Web-based Interface Design
Lecturer: Your Lecturer's Name
Group: Your Group

Weekly Schedule

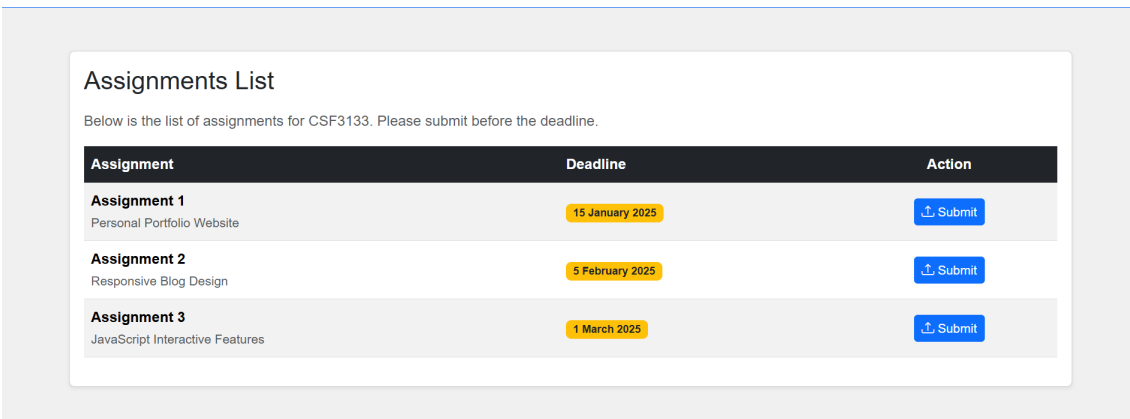| Week	Date	Topic
1	7 Oct 2025	Lecture 1: Introduction to the Internet
2	14 Oct 2025	Lecture 2: World Wide Web & Web Standards
3	21 Oct 2025	Lecture 3: Web Design
4	28 Oct 2025	Lecture 4: HTML Basics
5	4 Nov 2025	Lecture 5: HTML5
6	11 Nov 2025	Lecture 6: CSS (Part 1)
7	18 Nov 2025	Lecture 7: CSS (Part 2)
8	2 Dec 2025	Lecture 8: Javascript (Part 1)

Figure 4: Course Information Page

2.3.3 Assignments Page (assignments.html)

Create a well-structured assignments page for CSF3133 showing the list of assignments with submission links.

- The assignments section must include:

– Title (e.g., "Assignments List")

– Short descriptive text explaining submission instructions

- Create a table displaying the assignments:

    – Columns: Assignment, Deadline, Action

    – Each assignment row must include:

        * Assignment number and name

        * Deadline (highlighted using Bootstrap badges)

        * Submit button linking to the corresponding submission page

- Styling and layout:

    – Use Bootstrap table classes (table, table-striped, table-hover, etc.)

    – The table must be responsive (table-responsive)

    – Add subtle card container with shadow for aesthetics

    – Center the Action button column

Figure 5 presents an example of the Assignment Page.

Figure 5: Assignments Page

2.3.4   Contact Page (contact.html)

Create a contact page for CSF3133 that allows students to submit queries and receives a JavaScript alert confirmation after submission.

- Include a contact form containing:
  - Name
  - Email
  - Subject
  - Message
  - A "submit" button
- Functionality:
  - Use JavaScript to handle the form submission
  - Prevent default form submission (event.preventDefault())
  - Show an alert message when the user clicks submit (e.g., "Thank you. Your message has been sent!")
  - After closing the alert, redirect the user to index.html

Figure 6 shows an example of the Contact Page.

Figure 6: Contact Page

2.4   Footer Part

Develop a footer that appears at the bottom of the page.

- The footer must include:
  - A contact email address displayed as a clickable email link
  - A copyright notice showing the current year and course code
- The footer section must:

- – Use a dark background

- – Display white text

- – Align all content centered

- – Include appropriate padding for readability

- The email address must:

  - – Use a mailto link

  - – Be visually distinguishable from normal text
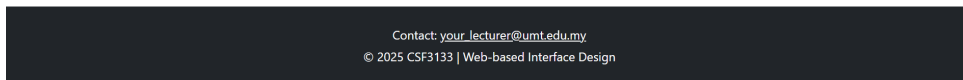
Figure 7 illustrates footer part as a reference.

Contact: your_lecturer@umt.edu.my
© 2025 CSF3133 | Web-based Interface Design

Figure 7: Footer Part

3   Assessment Rubric

Rating Scale:
3 – Excellent (Fully Met)
2 – Satisfactory (Partially Met)
1 – Needs Improvement (Minimally Met)
0 – Not Attempted

Element	Criteria	3	2	1	0	Weightage
Navigation Bar	Correct structure of navigation bar					5
	Correct links to all pages					5
	Active menu highlighting					5
Header	Correct header structure					4
	Clear typography hierarchy					4
	Alignment and spacing					2
Content: Home Page	Banner structure and layout					5
	Text overlay positioning					5
	Readability and typography hierarchy					5
Course Information Page	Course information clarity and layout					5
	Correct table structure					5
	Functional lecture links					5
Assignment Page	Page structure and layout					5
	Correct table content and formatting					5

Element	Criteria	3	2	1	0	Weightage
	Responsive design (table and card)					5
	Functional submission buttons					5
Contact Page	Form structure and layout					5
	Functional JavaScript alert on submit					4
	Page redirect works after alert					1
Footer	Footer structure and placement					5
	Functional email link					5
	Content clarity and alignment					5
	Total					100

Table 1: Rubric for CSF3133 Web Pages