



ASSIGNMENT

NOVEMBER 2024 SEMESTER

COURSE : INTRODUCTION TO WEB DESIGN
COURSE CODE : IAS1113
DURATION : 4 WEEKS
SUBMISSION : 18 FEBRUARY 2024
FACULTY : COMMUNICATION, VISUAL ART AND COMPUTING
PROGRAMME : BACHELOR OF SOFTWARE ENGINEERING (HONS)
BACHELOR OF COMPUTER SCIENCE (HONS)
LECTURER : TS. IZWAN SUHADAK BIN ISHAK

INSTRUCTIONS TO CANDIDATES.

Student must ensure that they have stable internet connectivity during uploading the answer.

Each student is allowed only one submission; therefore, all answers must be submitted at once.

DECLARATION:

I hereby declare that all the answers I have submitted is entirely my own work and I understand that there are disciplinary penalties for cheating, plagiarism and inappropriate collusion.

This Question Paper consists of 5 PAGES.

CONFIDENTIAL

IAS1113 – INTRODUCTION TO WEB DESIGN

ASSIGNMENT BRIEF

Proposed Date	:	21 January 2025
Deadline	:	18 February 2025
Field/ Duration	:	4 weeks
Marks	:	100%
Title	:	Web Development
Group	:	2-3 students

OBJECTIVE:

Students are required to design, develop, and publish at least 5-page website based on the theme "Solidarity with Palestine." The website should utilize HTML5, CSS3, and JavaScript to create an interactive, responsive, and visually appealing website that educates and informs visitors about the cause. The website will be installed, configured, designed and published through localhost (offline) and remote-hosted server (online).

INTRODUCTION TO THE BRIEF:

Students are required to design and develop an informative website that serves as an educational and advocacy platform to raise awareness, promote products or services, and provide essential information about the Palestine Solidarity Movements. The website must be built using HTML5, CSS3, JavaScript, XAMPP, a domain name, and hosting, incorporating key web development principles such as semantic elements, structured content, multimedia integration, styling and layout, responsive design, typography, JavaScript interactivity, and form validation.

For reference and benchmarking, students should explore similar websites related to Palestine Solidarity Movements, such as:

1. [Ireland Palestine Solidarity Campaign \(IPSC\)](#)
2. [Palestine Advocacy Project](#)
3. [Palestine Solidarity Campaign](#)
4. [Al-Shabaka: The Palestinian Policy Network](#)
5. [Boycott, Divestment, and Sanctions \(BDS\) Movement](#) etc

Students must ensure their websites align with the core objectives of advocacy and awareness while implementing modern web development best practices.

PROJECT REQUIREMENTS:

1. Website Pages & Navigation

Students must create a multi-page website (Minimum 5 pages) with structured navigation. Mandatory Pages (Choose 5 or more)

- Home (Introduction to the cause, latest updates)
- News (Articles, latest events, press releases)
- About (Mission, vision, history of the movement)
- Get Involved (Volunteer, donate, participate in campaigns)
- Campaigns (List of active campaigns, petitions, fundraising events)
- Events (Webinars, protests, online discussions)
- Media (Photo gallery, videos, infographics)
- Resources (Educational articles, PDFs, research papers)
- Contact Us (Form for inquiries, partnerships)
- Newsletter (Subscription form for latest updates)

All pages must include:

- ✓ A header with a logo and navigation menu.
- ✓ A footer with social media links, copyright notice, and contact details.

2. Web Development Requirements

2.1 HTML5 Structure (20 Marks)

- Use proper semantic elements (<header>, <nav>, <section>, <article>, <footer>).
- Implement headings, paragraphs, lists, links, and tables appropriately.
- Ensure proper document structure using <!DOCTYPE html>.
- Include at least one HTML5 table to present structured data.

2.2 CSS3 Styling and Layout (10 Marks)

- Apply CSS stylesheets for aesthetic enhancements.
- Implement responsive design using CSS Grid/Flexbox and media queries.
- Use typography styling (Google Fonts, web-safe fonts).
- Utilize CSS gradients, shadows, and animations for a modern look.

2.3 JavaScript Interactivity (10 Marks)

- Implement at least two interactive JavaScript features, such as:
 - News ticker displaying recent updates.
 - Donation calculator that calculates potential impact.
 - Popup modals for important alerts (e.g., urgent campaigns).
 - Countdown timer for an upcoming event.
 - Interactive image sliders or carousels.
- Implement form validation (e.g., checking required fields).

2.4 HTML5 Forms & Validation (10 Marks)

- Create an interactive form on the Contact, Get Involved, or Newsletter page.
- Use different input types (text, email, checkbox, radio, dropdown).
- Implement HTML5 validation (required, pattern, maxlength).
- Use JavaScript validation for better user experience.

2.5 Multimedia Integration (10 Marks)

- Embed images, videos, and audio using , <video>, and <audio>.
- Include playback controls for media content.
- Implement responsive image galleries using CSS or JavaScript.
- Integrate external media sources (e.g., YouTube, live stream embeds).

2.6 Website Deployment (20 Marks)

- Host the website using XAMPP for local testing and then deploy it online using GitHub Pages, Netlify, or a custom domain.
- Provide domain name and hosting details.
- Ensure all assets (images, CSS, JavaScript files) are correctly linked and functional.

2.7 Report & Presentation (20 Marks)

- Write a PDF report (3-5 pages) with:
 - Overview of project objectives.
 - Screenshots of the website.
 - Description of features and interactivity.
 - Explanation of challenges faced and solutions.
- The **oral presentation** must be **clear, well-structured, and engaging**:
 - Overview of project objectives.
 - Live Website Demonstration.
 - Technical Explanation.
 - Challenges & Reflections.

DELIVERABLES:

Students are required to submit this assignment before or on the deadline. In executing this project, students are required to submit the following documentations for a specific project identified.

- Report in pdf format.
- Domain name and hosting details information.
- Source code in .html .css. .js including the multimedia format file.
- Compress all the file (.zip) and place them into one folder example IAS1113-ASSIGNMENT-STUDENTNAME.zip

All the documentation should be placed in pdf files. Example format documentation is attached with this question.

There is a presentation session for the students to present a final project. The activities and timeline involved in the project are as follows:

Activities / Deliverables	Due date (Week)
Progress 1: Website Title	Week 11
Progress 2: Webpage Layout	Week 12
Progress 3: Functional of the features	Week 13
Progress 4: Submission and Final Presentation (18 & 20 February 2025)	Week 14

Grading:

40%	CLO1	At the end of the course the student will be able to produce an HTML document using fundamental tags, links, tables and frames. (C1, PLO1)
20%	CLO2	At the end of the course the student will be able to develop an attractive webpage/website. (C3A, PLO2)
20%	CLO3	At the end of the course the student will be able to build an interactive webpage using forms and scripts. (C3D, PLO6)
20%	CLO4	At the end of the course the student will be able to implement the web project by publishing files on the World Wide Web. (C3A, PLO2)

END OF QUESTION PAPER