University of Westminster – School of CS&E

Web Design and Development Coursework Specification (2024/25)

Module leader	Dr Daphne Economou
Unit	Group Coursework – Website Design and Development
Weighting:	50%
Qualifying mark	30%
Description	Group Coursework
Learning Outcomes Covered in this Assignment:	The coursework rationale is: LO1: Utilise a text editor to create several linked HTML documents, following certain style guidelines and satisfying a simple specification; LO2: Identify and apply how to separate the structure, behaviour and presentation of web documents; LO3: Incorporate and develop JavaScript to create interactive documents; LO4: Work in a group, with each individual having a distinct role and tasks, to produce a common Web site.
Handed Out:	20 January 2025
Due Date:	**10 March 2025 at 13:00 pm**
Expected submission files:	• Website implementation • Individual Report (*one of the required web pages, titled "Page Editor"*) • Group Coursework Agreement signed by all team mebers **Note that the WEEKLY PRACTICE TESTS contribute 5% toward the individual component of the Group Coursework grade.**
Method of Submission:	The submission is via Blackboard. • Implementation of assigned Web Pages in the Group Project (URLs at text, plus a compressed file containing the HTML/CSS/JavaScript code) • Individual Report in Word or PDF Format
Type of Feedback and Due Date:	Verbal feedback at the coursework demonstration. Written feedback and marks 15 working days after the submission deadline. Marks will remain provisional until formally agreed by an Assessment Board.

1. Contents

2. Assessment regulations

Refer to the following for clarification on what constitutes plagiarism:

https://www.westminster.ac.uk/current-students/guides-and-policies/academic-matters/academic-misconduct/plagiarism

Clarification on what constitutes collusion:

https://www.westminster.ac.uk/current-students/guides-and-policies/academic-matters/academic-misconduct/collusion

3. Penalty for Late Submission

If you submit your coursework late but within 24 hours or one working day of the specified deadline, 10 marks will be deducted from the final mark, as a penalty for late submission, except for work which obtains a mark in the range 40 – 49%, in which case the mark will be capped at the pass mark (40%). If you submit your coursework more than 24 hours or more than one working day after the specified deadline you will be given a mark of zero for the work in question unless a claim of Mitigating Circumstances has been submitted and accepted as valid.

It is recognised that on occasion, illness or a personal crisis can mean that you fail to submit a piece of work on time. In such cases you must inform the Campus Office in writing on a mitigating circumstances form, giving the reason for your late or non-submission. You must provide relevant documentary evidence with the form. This information will be reported to the relevant Assessment Board that will decide whether the mark of zero shall stand. For more detailed information regarding University Assessment Regulations, please refer to the following website:

http://www.westminster.ac.uk/study/current-students/resources/academic-regulations

4. Coursework Description

This coursework requires the following deliverables:

- The **design & development of a <u>website</u>** as a group project, with each team member assigned specific tasks
- **<u>In-Class Demonstration</u>**

This document offers a detailed description of the requirements for each of these deliverables.

5. Website design & development

"Our [Being Westminster strategy](#) outlines our commitment to being progressive, compassionate and responsible to help students and colleagues from different backgrounds fulfil their potential and contribute to a more sustainable, equitable and healthier society.

We adopted the [United Nations Sustainable Development Goals (SDGs)](#) framework to support this core mission and to record, measure and improve our contribution to a range of social, environmental and economic outcomes."

Figure 1 United Nations Sustainable Development Goals (SDGs)

Work in groups of 4 students (all group members should be from the same Web Design and Development computer seminar group) **and design and develop a web site that focuses on introducing <u>ONE of the 17 United Nations Sustainable Development Goals (SDGs)</u>** (do not replicate the 17 UN GOALS website).

The website must include the following pages, with each group member assigned to develop specific components as outlined below:

Splash Screen	Assigned to	[**Student 1**]
Home Page *+ template + nav*	Assigned to	[**Student 2**]
Volunteer	Assigned to	[**Student 1**]
Table	Assigned to	[**Student 2**]
User Profile	Assigned to	[**Student 4**]
Feedback	Assigned to	[**Student 3**]

Sitemap	Assigned to	[**Student 4**]
Team	Assigned to	[**Student 3**]
Content page	Assigned to	[**all Students**]
Page Editor	Assigned to	[**all Students**]
Validation page	Assigned to	[**all Students**]

While team members are assigned specific tasks to implement, it's essential for the group to collaborate in deciding the website's content and overall look and feel.

The technical requirements for each of these pages are detailed in the following sections.

5.1. Website Style & Navigation: Assigned to [Student 2], but all students must adhere to it

To ensure consistency across the entire website, Student 2 is responsible for creating a shared template structure, navigation bar, and a global CSS file. This template and CSS will be used by all team members to maintain a unified design. Detailed instructions are provided below:

1. **Web site template that all the rest of the pages should adhere to including:**

    - A **header** that incorporates the **navigation bar** (instruction for this are further below)

    - **Content** area (main) where each student will integrate the content of the pages that they have been assigned to create.

    - **Footer** (including a text that will be link to each student's editor page, each team member will need to update this link to link it to their own editor's page). **All pages should be validated for acceptability.** Each team member could also include in the pages they are responsible for **c**ompliance of their web pages for accessibility as part of the footer.

    - **Wrapper**, to allow you to add margins and center the content on the page. This creates white space, which makes your site easier to read, and helps it look neat and organized.

      To implement this part of the CW see Lecture notes HTML basic structure section.

2. **Global CSS** (as external CSS file)

    - The Global CSS file will define the main style elements of the website. Those are expected to be the following:

    - Styles for the structural elements of the page, header, footer, main, container if you use one, body style (text, heading styles, background, colour pallet for primary, secondary, and neutral colours), buttons and links, images (for example if they have any borders or shadow, define), navigation bar, cards or tiles (if you all decide to use such styling element as global style).

    - The Global CSS file should be created as an external CSS file and shared with the entire team. All team members are required to use this file to maintain consistency across the site.

    - Team members will have to create additional style unique elements of their pages or features not covered by the Global CSS file. You can define those styles as additional external, or internal CSS files.

      To implement this part of the CW see Lecture notes Styles & CSS section.

3. **Navigation Bar:**

    - Implement a **navigation bar** including links that connect all the website main pages (those are as listed earlier (*consult the lecture notes and examples related to Links, primarily look at tutorial 3 example*s). Do not include lings to individual student's content pages, individual Pages Editor pages, and

Validation pages from the navbar. You can find information about the naming correctly the webpages to be able to link those together in *Section 5.14 "Website folder structure, file naming & hosting [all students]"*

- The navigation bar can be integrated into the **header** of the website as illustrated in **Figure 3.**
- Using **CSS** to style the navigation bar as follows:
  - Links can be styled as buttons or feature visual effects (e.g., a bottom border on hover) (again *consult the lecture notes related to Styling & CSS, General Page Styling*).
  - Add a **hover effect** to visually indicate links, as shown in **Figure 2** (*consult the lecture notes related to Styling & CSS, General Page Styling).*
  - Highlight the **active page** (the one being viewed) using a class and appropriate CSS styling.
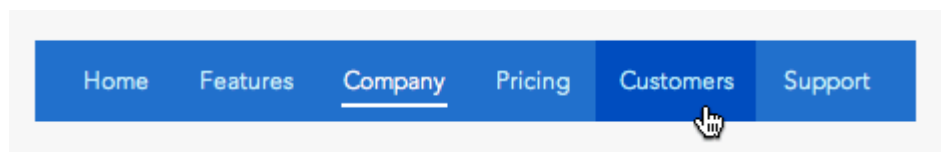

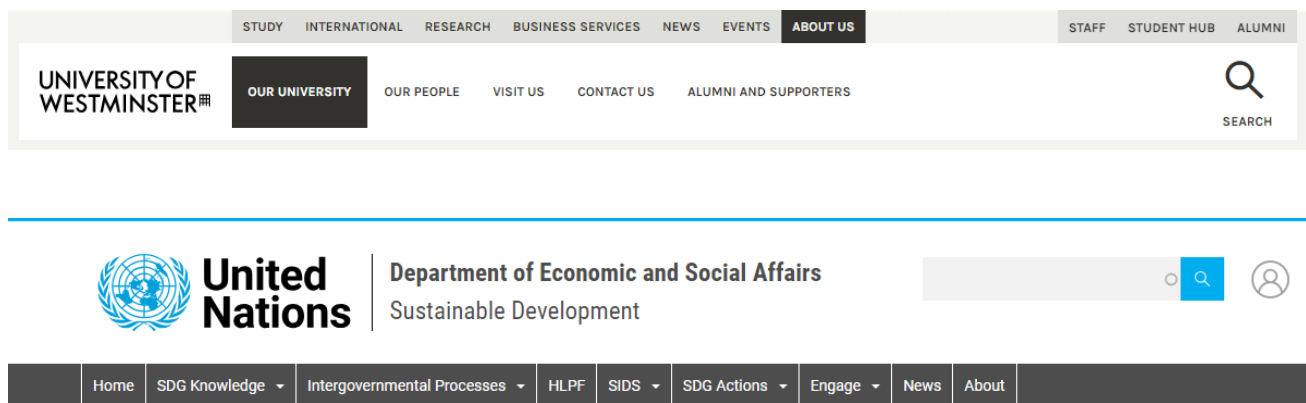**Figure 2** Navbar with Hover Effect and Active Page Indication

Figure 3 Two example headers that include information about the website identity combined with the navigation bar.

5.2.   Splash Screen: Assigned to [Student 1]

The splash screen acts as the first point of interaction for users, providing a clear introduction to the website's purpose and the team behind it and should include the following key elements:

1. **Content:**

- **Website Title:** Prominently display the title of the website.
- **Website Mission:** Provide a brief statement summarizing the mission or purpose of the website.
- **Group Members:** List the names of all group members clearly.
- **Background image:** Provide a background image that scales to the entire splash screen.
- **DO NOT USE READY TEMPLATES FROM THE INTERNET, you have to decide as a team the look and feel of the website and create the corresponding CSS that will be used by all members of the team.**

2. **Functionality:**

- **Redirection:**

- The splash screen should automatically redirect users to the Home page after 4 seconds, <u>using **HTML meta tags** as demonstrated in the "Automatic Redirect in Links" section of the lecture notes</u>.

- **Animated Loader:**

  o Include an animated image or visual element to indicate that the Home page is loading created with CSS.

  o This enhances user experience by making the transition visually engaging.

3. **Style**

- Ensure the design is visually appealing, aligns with the website's theme, and creates a seamless transition to the Home page.
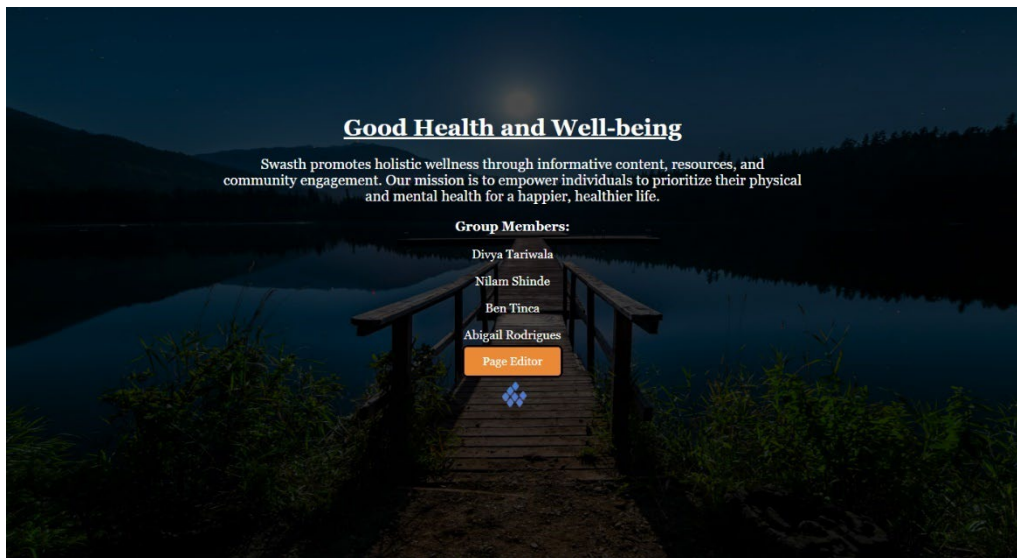
Figure 4 Splash screen with animated icon

5.3. Home Page: Assigned to [Student 2]

The **Home Page** serves as the central introduction to your website and establishes its visual identity, navigation, and purpose. Below are the **Home Page Requirements:**

1. **Content Elements:**

- **Website Identity:**

  o Feature the logo prominently to establish the website's branding. Make sure you use alternative text also.

  o You may use royalty-free resources to find a suitable logo (e.g., iStockPhoto), but make sure to reference your sources appropriately.

- **Website Mission:**

  o Clearly state the purpose of your website and its alignment with one of the 17 United Nations Sustainable Development Goals (SDGs).

  o Do not replicate content from the official UN SDGs website. Instead, elaborate on how your website supports and reflects the chosen SDG, demonstrating its commitment to sustainability.

2. **Links to Content Pages:**

- Include links to the four content pages of the website.

    - Create visually engaging and interactive link elements using an approved design, such as **interactive gallery tiles** or **card-style links** (similar to **Figure 5**). Each tile or card should feature **relevant images** that visually represent the linked content.

    - that all four **student content pages** (**content_ST1.html, content_ST2.html, content_ST3.html, content_ST4.html**) are linked correctly, with paths that are accurate and enable **smooth and seamless navigation** between pages.

    - Add **hover interactivity** to the tiles or cards, such as animations or effects (e.g., scaling, color change, or shadow effects) to enhance user engagement.

Figure 5 A snapshot of the https://sdgs.un.org/goals home page with interactive tiles that provide details about each sustainability goal and are links to a page with more information about it.

5.4. Volunteer: Assigned to [Student 1]

The Volunteer page should allow users to explore volunteering programs relevant to your website's theme and engage with the content through interactive elements. The page must include the following sections:

1. Scrollable Information Section

This section is designed to showcase information about volunteering programs in an organized and interactive layout (an example is shown in the top part of **Figure 6**). It must include:

- **Content and Structure:**

    - A well-structured layout with headings, images, thumbnails or icons, text, tables, and buttons.

    - You may use royalty-free resources to find a suitable images (e.g., iStockPhoto), for icons use special characters.

    - **At least 4 cards**, each representing a volunteering program or relevant content.

    - **Interactive Buttons:** Buttons should respond visually when hovered (e.g., change colour, size, or add effects) using CSS. Create buttons either using HTML tags or CSS, do not use images.

- o **Dropdown for Sorting or Filtering:** Include a styled dropdown menu (similar to Figure 6) to allow users to filter or sort content (e.g., "Most Popular"). The dropdown does not need to be functional (content does not need to change when options are selected).
- o To separate the information organise them in **cards** or use **separators**.
- **Scrollable Design:**
- o The section must be scrollable, ensuring users can navigate through the content without overcrowding the page.
- o Consult *the lecture notes for Basic HTML structure, Styling & CSS and Tutorial 5 material).*

2. **User Ratings and Reviews Section**

   This section provides users with an overview of ratings and reviews for the volunteering programs.

   - **Overall Rating Summary:**
   - o Display a numeric rating (e.g., "9.4/10 Exceptional" in **Figure *6***).
   - o Include a subtitle summarizing the rating level and the total number of reviews.
   - **Individual Reviews:**
   - o Reviews should be displayed in cards, arranged either horizontally or vertically.
   - o Each review card must include:
     - A heading summarizing the review (rating).
     - A description of the review with a "See More" link for expanded content (the link should be active using just #).
     - The reviewer's name and the date of the review.

3. **Feedback Form**

   This section allows users to submit their own reviews or feedback (like the bottom part of **Figure *6***).

   - **Form Elements:**
   - o A text area for users to enter their feedback, with a placeholder providing instructions (e.g., "Write your review here...").
   - o Two buttons:
     - Submit Feedback: A primary button styled to match your website's theme.
     - Cancel: A secondary button styled in grey.
   - o Both buttons should be interactive on hover using CSS.
   - **Rating Input:**
   - o Provide a set of 5 emoji buttons, stars, or a similar visual indicator to allow users to express feedback sentiment.
   - o These buttons do not need to be functional.

4. **Integration**

   - **Integration with the Website Template:** The content of this page, as outlined above, should be incorporated into the main website template created by Student 2.
   - **Footer Requirements:** The footer of this page must include a link to the student's **1-page editor**.

- **Styling Guidelines:** The volunteering page must adhere to the **Global CSS** file provided for the website to maintain a consistent style. Additional styles specific to this page should be created as either an **additional external CSS file**, or i**nternal CSS** within the page. These styles should be used to enhance and customize elements unique to the volunteering page.

The layout in **Figure *6*** is provided as a reference to illustrate the implementation of the expected features. You are expected to design and propose your own unique layouts to demonstrate creativity and a personalized approach.

Figure 6 Volunteering pages examples

5.5.   Table: Assigned to [Student 2]

The table page should demonstrate both creativity and technical skills by showcasing a well-designed, interactive table that aligns with the theme of your team's website (e.g., UN Sustainability Goal 13: Climate

Action). The table must include the following elements (look at **Figure *7*** & **Figure *8*** as examples for indicative content and style, do not try to replicate those use your own content and style.):

1. **Required Features:**

    *   **A Table Structure:** Incorporate a well-organized table that serves a meaningful purpose related to your website's theme.

    *   **Website Logo:** Include the website logo within the table, prominently placed to reinforce branding.

    *   **Heading Rows or Columns with Thumbnails:** Use thumbnail images in heading rows or columns that are relevant to the website's content (e.g., icons or images representing categories). You may use royalty-free resources to find a suitable images (e.g., iStockPhoto), for icons use special characters.

    *   **Rows and Columns with Different Colours:** Populate the table with at least **8 rows and 4 columns** of meaningful data, relevant to the chosen theme. Style the table with alternating row or column colours to improve readability and visual appeal (e.g., zebra striping).

    *   **Icons Within a Row or Column:** Include icons, such as tick marks or similar symbols, as part of a row or column to convey specific information visually (use special characters).

    *   **Table Borders or Shadow Effects:** Apply CSS styling to add borders or shadows, creating a polished and professional appearance.

    *   **Interactivity with CSS:** Use CSS to enhance the table's interactivity, such as hover effects or animations, to make the design dynamic and engaging.

    *   Use CSS to apply a **custom table border** or a **shadow effect** for a modern, polished appearance.

    *   Include **clickable links** within the table cells, leading to relevant content (e.g., content details).

    *   Add **aria-labels** or other accessibility features to ensure accessibility.

    *   Include **at least one** merge cells using the rowspan and colspan attributes to create complex layouts.

    *   Add a **tooltip** feature for each thumbnail in the header, displaying additional information about the image (e.g., alt text or a brief description) on hover.

    *   *Consult the lecture notes for Tables, Images, Links, Special Characters, as well as the Styling & CSS section. Have a look at the tutorial material covered in weeks 2 and 3.*

2. **Thematic Relevance:**

    *   Design a table that aligns with your website's overarching theme. This may include custom fonts, colours, or iconography.

3. **Integration**

    *   **Integration with the Website Template:** The content of this page, as outlined above, should be incorporated into the main website template created by Student 2.

    *   **Footer Requirements:** The footer of this page must include a link to the student's **2-page editor**.

    *   **Styling Guidelines:** The table page must adhere to the **Global CSS** file provided for the website to maintain a consistent style. Additional styles specific to this page should be created as either an **additional external CSS file**, or i**nternal CSS** within the page. These styles should be used to enhance and customize elements unique to the volunteering page.

Table Example for a Climate Action Website

Country/Region	Logo/Flag	CO$_2$ Emissions per Capita (Metric Tons)	Renewable Energy (% of Total Energy)	Notable Projects	Impact/Goal Alignment
Norway		7.7	98%	Offshore wind farms	Net-zero by 2050
India		1.8	40%	Solar power plants	175 GW renewable target
Brazil		2.1	65%	Amazon reforestation	Reducing deforestation
United States		16.1	20%	Electric vehicle subsidies	Paris Agreement Goals

Figure 7 Example table content
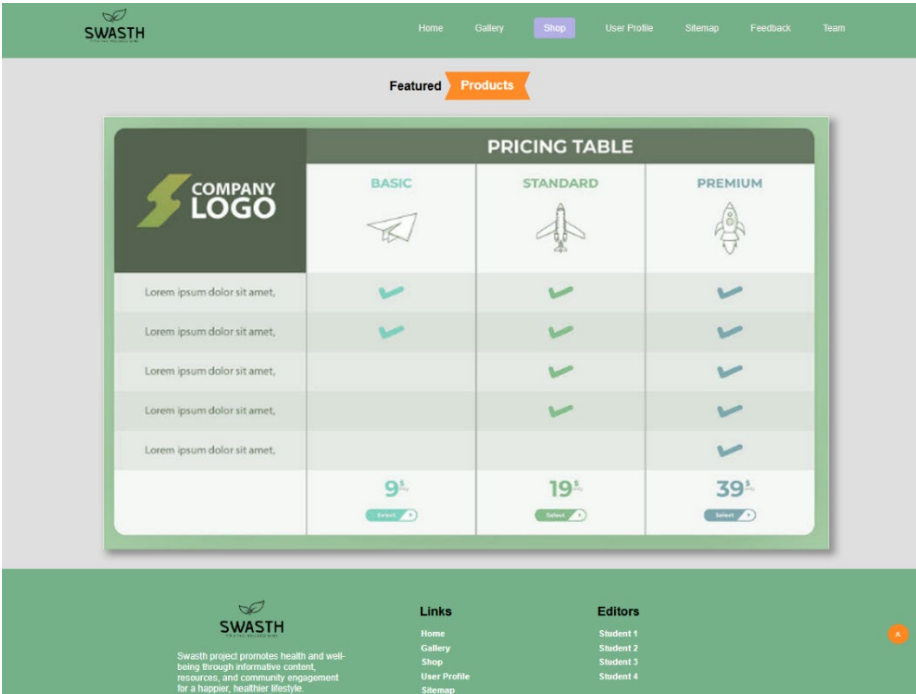
Figure 8 Example table styling

5.6. User Profile: Assigned to [Student 4]

Design and develop a visually appealing and well-structured **User Profile Page** using only **HTML and CSS** (see **Figure** *9* for an example). The page must include the following features:

1. User Avatar and Information

- **Profile Picture:**
  - Include a circular or square **user avatar**, prominently displayed on the page. You may use you're your own images or royalty-free resources to find a suitable images (e.g., iStockPhoto), for icons use special characters.

- **User Details:**

- o Display the **user's full name** and **professional role/title** clearly.
- o Group these elements together in a visually distinct card or section, as shown in **Figure *9***.

2. Profile Information Section

- **Introduction:**
  - o Add a **brief introductory statement** summarizing the user's purpose, personality, or background. Use a heading.
- **Skills, Goals, Frustrations, Experience, or Other:**
  - o Include a separate section featuring at least **two categories** (e.g., skills, goals, frustrations, experience).
  - o Implement the content using **lists** or **definitions** for clarity.
  - o Enhance the section by incorporating a **CSS percentage bar** to visualize data (e.g., skill levels or goals progress).

3. Volunteering Section

- Highlight volunteering activities or affiliations as list (e.g., "UN Goals I Support").
- Use **icons or thumbnails** with alternative text for accessibility to visually represent relevant activities (e.g., travel, community work).

4. Interests Section (like UN goals I support in Figure 9 below)

- Use **icons** to depict the user's interests relevant to the website theme (e.g., in a climate theme website it could be help cleaning our coasts, plan trees).
- Add alternative text for icons, indicating whether they are content or decorative.

5. Calendar or Table

- Include a **calendar** or a **table** to show availability or showcase a schedule (e.g., availability for volunteering or meetings). Refer to **Figure *9*** for an example.

6. Contact Me Section

- Add a **form** for users to input or access contact details (see **Figure *9***).
- The form should include fields for essential contact information, such as:
  - o Name
  - o Email
  - o Message or Inquiry
  - o Send button

5. Integration

- **Integration with the Website Template:** The content of this page, as outlined above, should be incorporated into the main website template created by Student 2.
- **Footer Requirements:** The footer of this page must include a link to the student's **4-page editor**.
- **Visual Separation:**
  - o Divide the page into distinct, well-organized **sections or cards** for clarity and visual appeal.
- **Hover Effects:**

- Apply hover effects to at least two interactive elements (e.g., icons, sections, or cards) using CSS to enhance user engagement.

- **Styling Guidelines:** The table page must adhere to the **Global CSS** file provided for the website to maintain a consistent style. Additional styles specific to this page should be created as either an **additional external CSS file**, or i**nternal CSS** within the page. These styles should be used to enhance and customize elements unique to the volunteering page.

Consult the lecture notes for Basic HTML tags, images, lists, links, forms and Styling & CSS section. Have a look at the tutorial material they provide solutions for all the required elements.
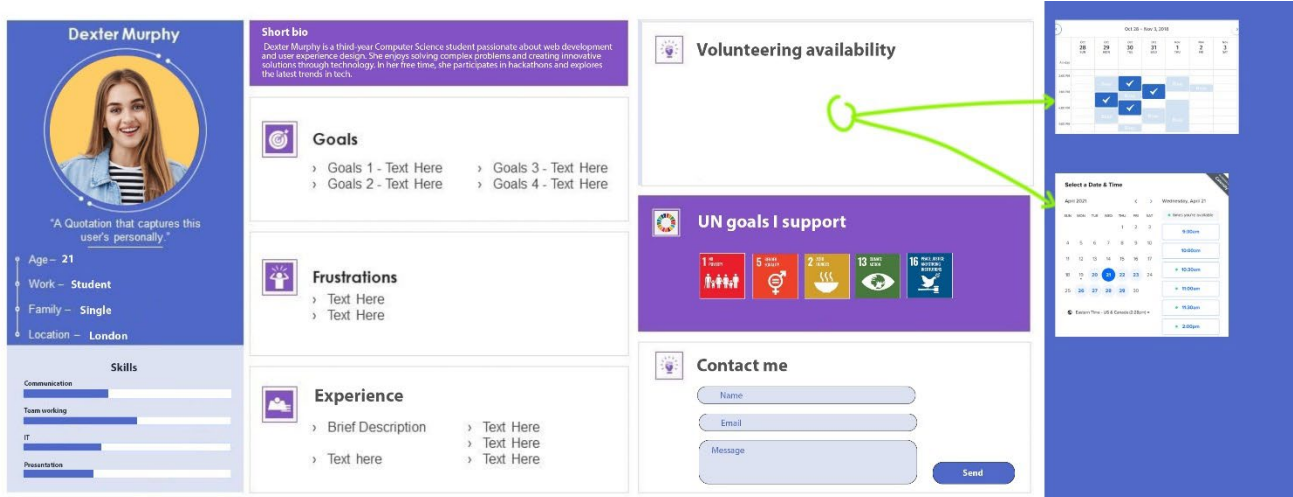
Figure 9 User profile page

Figure 10 Contact details sample table

5.7.   Feedback: Assigned to [Student 3]

The feedback form page should feature a **clean, intuitive interface** that is easy to navigate and enables users to submit their comments efficiently (see **Figure *11*** as example, but do not try to replicate this, use you own design and content relevant to the theme of your website). The form should incorporate advanced HTML form elements and validation features as outlined below:

6. **Form Structure and Input Fields**

- Include a variety of input fields to collect user details and comments, such as:

  - **Full Name:** A text input field.

  - **Email Address:** An input field with type email for validation.

  - **Telephone Number:** An input field with type tel to accept phone numbers.

  - **Address:** A multi-line textarea field for entering address information.

- o **Comment or Message:** A textarea for user feedback or inquiries. Use the maxlength attribute for text fields to limit input length and the counter feature to show the remaining characters dynamically.

- o At least **two of the following input features**:

    - ▪ **Popup List:** A select dropdown for choosing predefined options.

    - ▪ **Scrolling List:** A multi-select scrolling list to allow users to choose multiple items.

    - ▪ **Datalist:** A searchable input field with suggested options.

- o At **least two of the following input features**:

    - ▪ **Checkbox:** Multiple options allowing users to select one or more choices.

    - ▪ **Radio Button:** Mutually exclusive options for users to select one choice.

- o **Date Selection:** An **input** with type date to choose a specific date. Include inputs for date and time using type="datetime-local" for scheduling feedback submissions.

- o **Add an input field** with type file to allow users to upload attachments (e.g., a screenshot or document).

- **Include a Rating Input:**

- o Provide a set of 5 emoji buttons, stars, or a similar visual indicator to allow users to express feedback sentiment.

- o These buttons do not need to be functional, but they can be styles with CSS to appear active on hover.

- Use **fieldset** and **legend** elements to group related fields and categorize user input clearly (e.g., "Personal Details," "Feedback Details").

7. **Validation and Error Handling**

- Implement **HTML validation** for input fields to ensure:

- o Fields like email and telephone number follow the correct format using appropriate input types (e.g., type="email", type="tel").

- o **Required fields** are completed before form submission using the required attribute.

- o Include a **custom Validation Messages:** Use the title attribute to provide custom error messages for specific fields. Use clear and descriptive **error messages** displayed near invalid fields to guide users (e.g., "Please enter a valid email address").

- o Style error messages and invalid input fields using **CSS** (e.g., red borders or highlighted error text) for better user experience.

8. **Integration**

- Use a **clean layout** to ensure the form is easy to use.

- **Integration with the Website Template:** The content of this page, as outlined above, should be incorporated into the main website template created by Student 2.

- **Footer Requirements:** The footer of this page must include a link to the student's **3-page editor**.

- Add visual styling to distinguish between sections using:

- o **CSS for grouping fields** (e.g., separate sections for user details and feedback details).

- **Hover effects** on buttons to improve interactivity (e.g., icons, sections, or cards) using CSS to enhance user engagement.

- **Styling Guidelines:** The feedback page must adhere to the **Global CSS** file provided for the website to maintain a consistent style. Additional styles specific to this page should be created as either an **additional external CSS file**, or i**nternal CSS** within the page. These styles should be used to enhance and customize elements unique to the volunteering page.

Forms are manly covered in 4 material, however you also need to consult the lecture notes for Basic HTML tags, images, lists, links, forms and Styling & CSS section. Have a look primarily the tutorial 4 material for forms. The rest of the tutorial material provide solutions for all the required elements.

5.8.   Sitemap: Assigned to [Student 4]

A sitemap is a **visual representation** of a website's structure, outlining its pages, content, and hierarchy. It demonstrates how different pages are interconnected, helping users and developers navigate and organize the site effectively. Sitemaps can also aid search engines in crawling and indexing content efficiently. They are commonly presented as hierarchical diagrams, flowcharts, or XML files for search engine optimization (SEO).

For this coursework, you are required to create a **graphical sitemap** representing the structure of your website. The sitemap must include the following features:

1. **General Requirements**

   - The sitemap should be developed using **Scalable Vector Graphics (SVG)** and must visually depict the hierarchical structure of your website.

     o **Parent Pages:** Represented as main branches.

     o **Child Pages:** Represented as sub-branches (see **Figure *12*** for reference).

   - Each page in the website should be represented as a **node** (e.g., a circle, rectangle, or other shape).

   - Nodes should be connected by **lines (branches)** to indicate the relationships between pages.

2. **Interactivity**

   - Each node in the sitemap must include the following interactive features:

     o **Colour Change on Hover:** The node should visually change (e.g., change colour or style) when hovered over.

     o **Clickable Links:** Nodes must link to the corresponding page they represent.

3. **Accessibility**

   - Ensure the sitemap is accessible to all users by:

     o Adding **alt text** to each node to describe its content.

     o Supporting **keyboard navigation**, allowing users to interact with the sitemap using only the keyboard as an alternative to a mouse.

4. **Responsiveness**

   - The SVG sitemap must be **responsive**:

     o It should scale proportionally to fit the browser window without losing clarity or functionality.

     o Ensure the design adapts gracefully to different screen sizes, including desktops, tablets, and mobile devices.

5. **Integration**

   - The SVG sitemap should be integrated as a standalone page within your website's design.

   - The style of the sitemap should align with the overall theme and aesthetics of your website.

   - **Integration with the Website Template:** The content of this page, as outlined above, should be incorporated into the main website template created by Student 2.

   - **Footer Requirements:** The footer of this page must include a link to the student's **4-page editor**.

   - **Styling Guidelines:** The sitemap page must adhere to the **Global CSS** file provided for the website to maintain a consistent style. Additional styles specific to this page should be created as either an **additional external CSS file**, or i**nternal CSS** within the page. These styles should be used to enhance and customize elements unique to the volunteering page.

Sitemap is covered in week 5 material; however you also need to consult the lecture notes for Basic HTML tags, images, lists, links, forms and Styling & CSS section. Have a look primarily the tutorial 5 material for sitemaps. The rest of the tutorial material provide solutions for all the required elements.

Sitemap
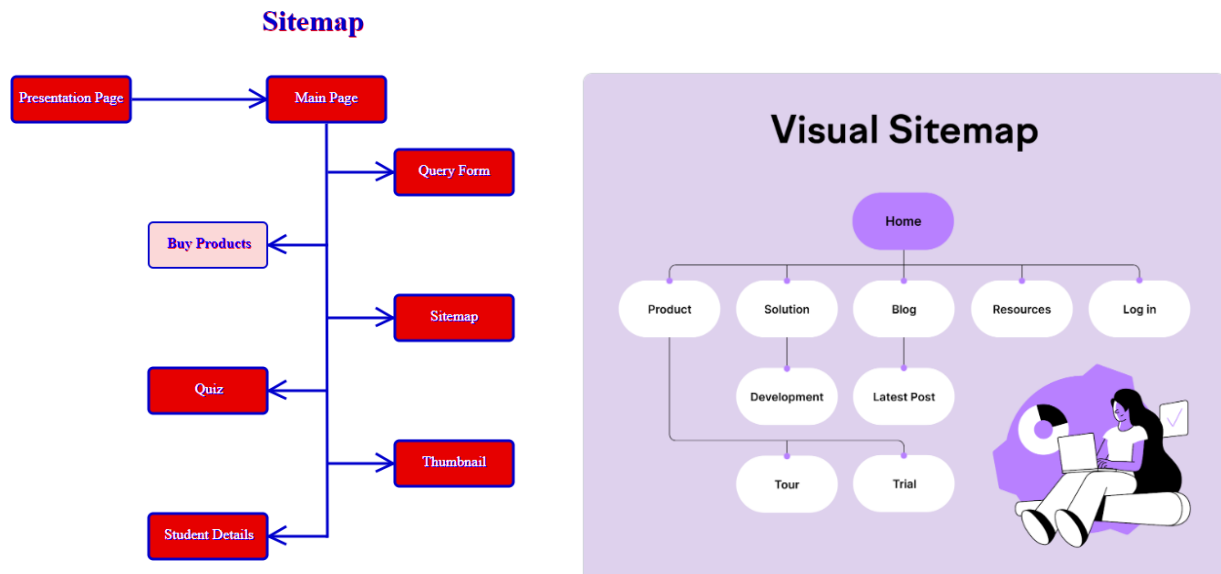
Figure 12 Rating and comments form input options

5.9.   Team: Assigned to [Student 3]

Create an engaging **Team Page** to showcase the team members who contributed to the development of the website. The page should include interactive thumbnails and extended details, providing users with an intuitive and visually appealing way to explore team information. The Team Page must include the following elements:

1. **Key Features**

   - **Interactive Thumbnails:**

     o   Each team member should be represented by a thumbnail image. You may use your own images or royalty-free resources to find a suitable images (e.g., iStockPhoto), for icons use special characters.

     o   The thumbnails must be interactive and visually respond when hovered over.

   - **Extended Details of Thumbnails:**

     o   Each thumbnail should reveal additional information about the team member in an expandable box or section.

2. **Interactivity Requirements**

   - **Thumbnail Hover Effects:**When a user hovers over a thumbnail, apply a visual effect such as:

     o   Changing the image's **alpha value** (transparency).

     o   Adjusting the **color**, **border**, or **size** of the thumbnail.

     These hover effects should make the thumbnails visually engaging and provide feedback to the user.

   - **Expandable Details:**

     o   On hover, an associated **box or section** should expand to display detailed information about the team member, such as:

       ▪   **Name.**

       ▪   **Role** within the group.

- ▪ Tasks they contributed to during the project.
  - o Refer to **Figure *13*** for an example, particularly the bottom middle image where extended details are revealed interactively.
- *Consult the lecture notes related to images and Styling & CSS section. Have a look at the examples in tutorial 3. The rest of the tutorial material provide solutions for all the required elements.*

3. **Accessibility**

- **Alternative Text:**
  - o Ensure all thumbnail images and their associated descriptions include appropriate **alt text** to enhance accessibility for screen readers.
- **Keyboard Navigation:**
  - o Make the interactive thumbnails accessible via keyboard (e.g., by adding tabindex="0").

4. **Integration**

- Build the page using a well-organized HTML structure, with a separate container for each thumbnail and its corresponding extended details.
- **Integration with the Website Template:** The content of this page, as outlined above, should be incorporated into the main website template created by Student 2.
- **Footer Requirements:** The footer of this page must include a link to the student's **3-page editor**.
- **Styling Guidelines:** The sitemap page must adhere to the **Global CSS** file provided for the website to maintain a consistent style.
- Create additional CSS styling to:
  - o Use CSS to define hover effects and the visual expansion of details.
  - o Example styles may include smooth transitions for opacity, border, or scaling effects.
- Additional styles specific to this page should be created as either an **additional external CSS file**, or i**nternal CSS** within the page. These styles should be used to enhance and customize elements unique to the volunteering page.

Student Details

About Us - Hover over the images for details!

Student Details

About Us - Hover over the images for details!

Jane Smith
Role student 3
Designed and implemented pages:
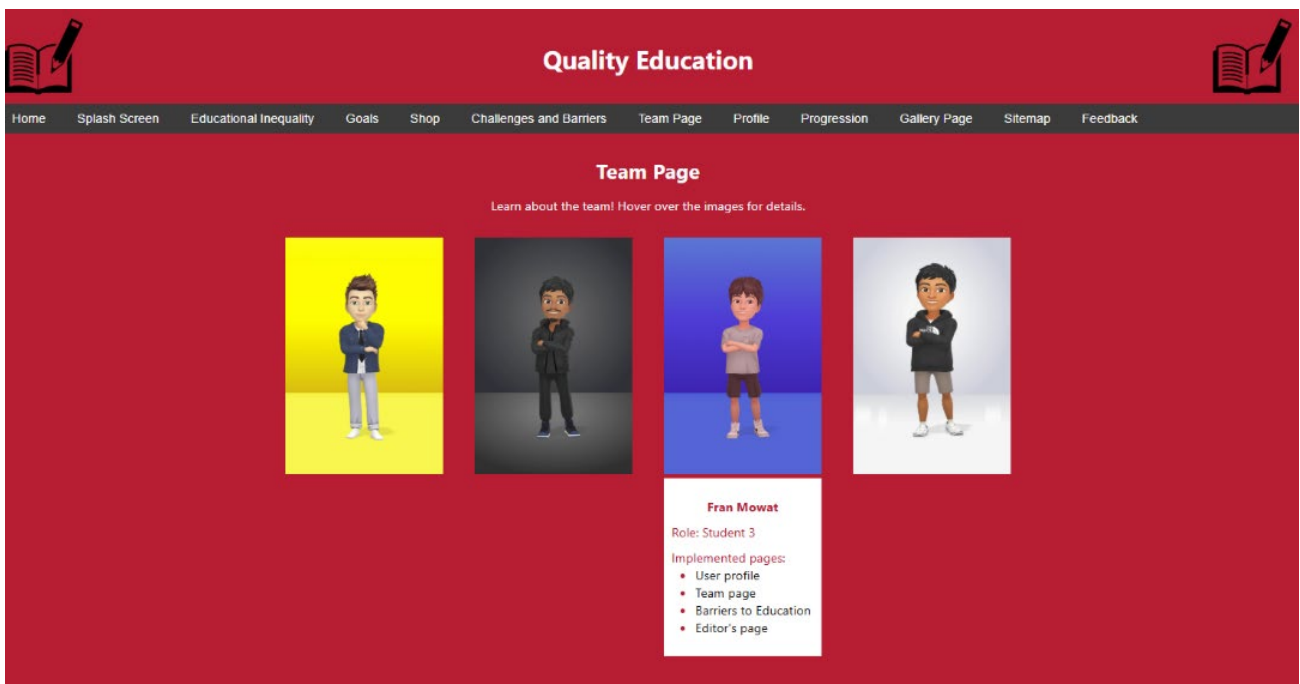User Profile | Team
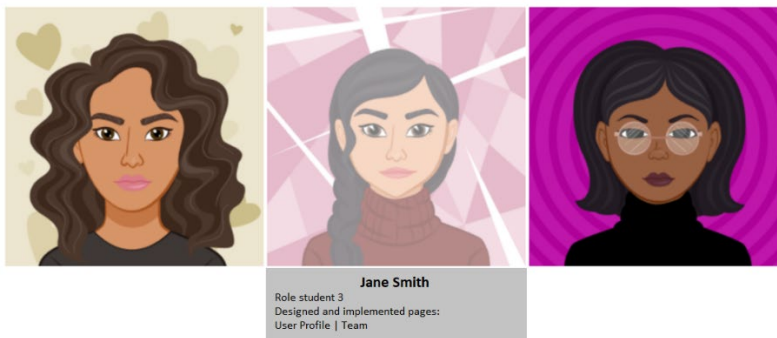
Figure 13 An example team page with 3 members (excluding navigation bar, logo and page editor)

5.10. Content page: Assigned to [all Students]

Each team member is required to create an additional content page that meets the following criteria (see **Figure *14*** as example):

1. **Content Relevance and Length**

   - The page must be **relevant** to your website's theme or topic.

   - Ensure the page has **sufficient length**, with enough content to allow for meaningful internal linking between sections.

2. **Internal Linking**

   - Include **internal links** that allow users to navigate to specific sections within your page.

   - Ensure the links work seamlessly by targeting specific sections using anchor tags or IDs.

3. **Navigation for Long Pages**

   - For pages longer than the screen size, provide an **internal navigation menu**:

     o Add internal links at the **top** or **side** of the page to help users easily navigate to different sections.

     o The navigation structure should be clear, logical, and user-friendly.

4. **"Go to Top" Button**

   - Include a **"Go to Top" button** that is always:

     o **Visible**: Positioned above all other content and perceptible on the page at all times.

     o **Functional**: Clicking the button should bring the user back to the top of the page. No need for JavaScript.

   - Use CSS (e.g., position: fixed) to ensure the button remains accessible as the user scrolls.
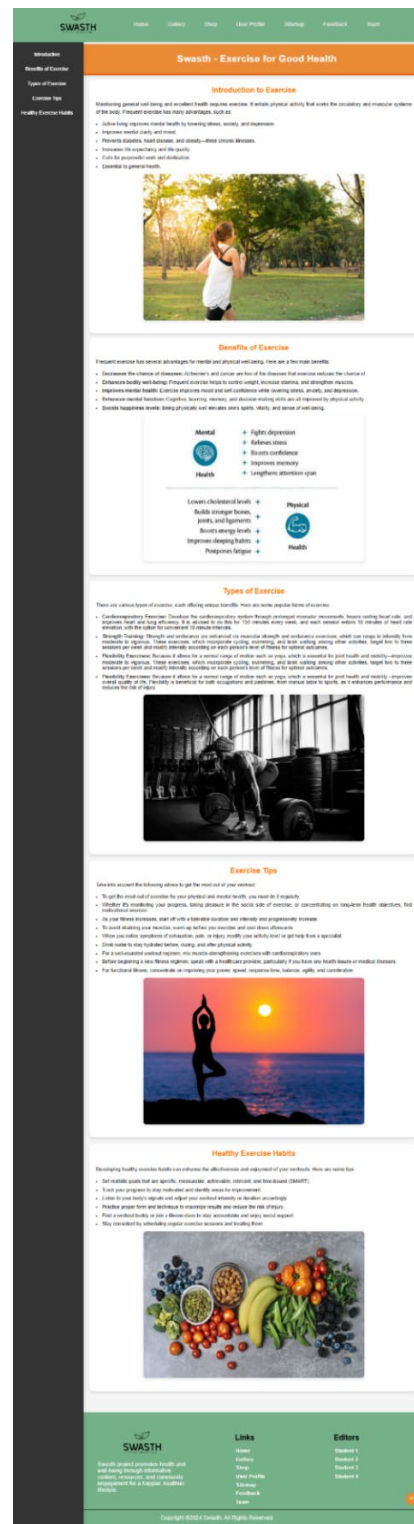
Figure 14 An example content page of a website about entertainment

5. **Use of Headings**
   - Structure the page content with **headings** (<h1> to <h6>):
     - Use headings to divide the page into clear sections.
     - Ensure the headings follow a logical **hierarchical structure** to enhance readability and navigation.

6. **Use of Images**
   - Include at least **four relevant images** that are meaningful to the content of your page.
   - Apply appropriate **CSS styling** to the images, such as borders, margins, or responsiveness.
   - Add **alternative text** for each image to ensure accessibility and describe its purpose or content.

Refer to **Lecture Notes** on internal links for guidance.

Review examples from **Tutorial 3** to better understand internal navigation implementation.

5.11.   Page Editor: Assigned to [all Students]

Each team member is responsible for creating an editor's page that showcases the following:

1. **Content Overview:**

   - Your Name and Role: Clearly state your name and specify your role within the group.

   - Completed Tasks/Pages: Provide a list of tasks or pages you have completed.

2. **Technical Description:**

   - For each page you implemented (**excluding the editor's page and validation page**), explain the HTML and CSS techniques used. Justify the logic and purpose of the key tags and styling choices. For example, Student 1 would describe the Splash Screen, Volunteer, and Content_ST1 pages

   - Provide detailed explanations of the techniques applied, focusing on functionality and design without copying large code sections.

   - Highlight the purpose of key HTML tags and CSS properties.

   - Specify key HTML tags and CSS properties used to create structure and styling.

   - Organize your explanations with clear headings for each task, e.g.,: Splash Screen, Content Page

3. **Organization:**

   - Use clear headings for each task (e.g., Splash Screen, Volunteer Page, Content Page) and divide your content into logical sections. **Use the provided Blackboard template and adapt it as needed**.

   - Customize the navigation to suit your page.

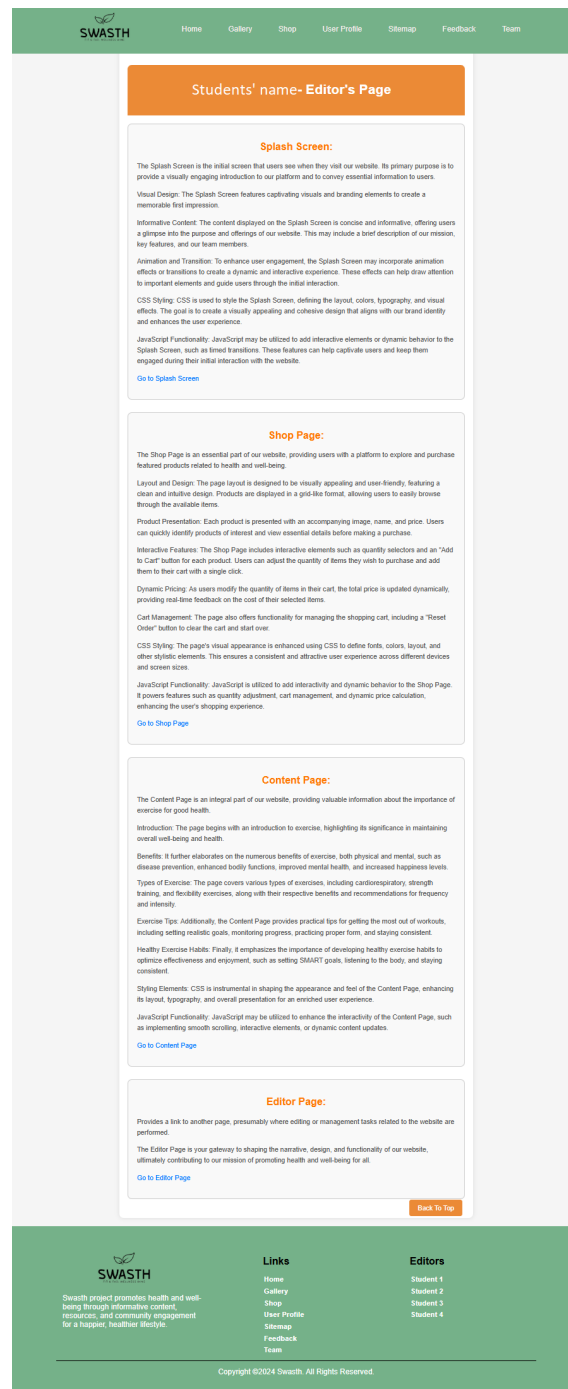   - Adjust the provided navigation of the provided template to the needs of your page using either:

Figure 14. A page editor example page that includes descriptions to the completed tasks, links t those pages and internal links

4. **Links**

- Include **links to the actual pages** you implemented, ensuring they open in a new tab (as shown in Figure 14).

- Include **link to the corresponding part to the validation page** that shows the validation of the page you discuss.

5. **Challenges and Lessons Learned:**

- Detail any challenges encountered during the implementation process and explain how they were resolved.

- Reflect on the lessons learned from overcoming these challenges.

6. **Accessibility**

- Provides clear and accurate information about accessibility specific to their assigned web pages, demonstrating understanding of accessibility principles.

7. **Compliance:**

- Create a compliance heading and discuss how the pages you have created are compliant with **Janet regulations** governing web page publication. This includes demonstrating your understanding and application of these regulations. **Be realistic and truthful.**

8. **References:**

- **Reference** all resources consulted, including lecture notes and external materials, to provide context and support for your approach. Add a dedicated References heading at the end of your page and list all references in a clear, consistent format (e.g., APA, MLA, or a simplified style) under this heading. Create In-Text References for specific content on your page and link these in-text references to their corresponding entries in the References section at the end of the page for seamless navigation.

9. **Page Styling:**

- While it is encouraged to align your editor's page with the group website's theme, you may use a distinct style specific to your page. There is no requirement for it to adhere to the main website's design.

5.12. Validation page [all students]

Provide evidence that all your pages have been validated successfully. Include screenshots or reports from the validation tool to demonstrate compliance with web standards. **Provide validation for each page you implemented, except the page editor and the validation page (e.g. student 1 will provide evidence for validating the splash screen, the volunteer and the content_ST1 pages).**

1. **Validation Process:**

- Validate all your implemented pages using the designated validation tool specified in the "Required Software & Access to Services" section on Blackboard.

- Ensure all pages pass validation. Errors must be resolved, and warnings are acceptable.

2. **Validation Page:**

- To structure the validation page effectively **use a provided template on Blackboard and integrate screenshots of the validation results for all pages you have implemented**.

3. **Linking to Validation Evidence:**

- In the Page Editor's section, where you describe how you implemented a specific page, include a link to the corresponding validation evidence on your validation page.

- Use anchor links (target anchors) to direct users to the relevant validation section.

4. **Reflection:**

- Include a short reflection on the validation report for the pages you implemented.

5.13. General coursework requirements [all students]

While team members are assigned specific tasks for implementation, it's crucial for the group to collaborate in determining the website's content and overall look and feel.

9.13.1. Teamwork and Website Style Implementation

As detailed in **Section 5.1** ("Website Style & Navigation: Assigned to [Student 2], but all students must adhere to it"), this group project requires teamwork to ensure a consistent layout and style across the website. The team must collaboratively agree on the overall design, while **Student 2** is responsible for implementing the template and Global CSS and sharing it with the team.

Responsibilities of Student 2

1. **Template Creation and Global CSS:**

- Develop an external CSS file that establishes a unified template for the website, including:

   o A **standardized header** featuring the website identity (e.g., logo and page title).

   o A **footer** where <u>**each team member can add a link to their own Page Editor**</u>.

   o General styling rules for fonts, colours, and layout to maintain consistency.

2. **Navigation Bar:**

- Design and implement the navigation bar as described in **Section 5.3**.

- The navigation bar must be original and created by the team; using pre-made templates from the Internet is prohibited.

- <u>**All team members must follow the website file structure and the file names as explained in 5.14 and share between the teams their user ID for the navigation bar links to work.**</u>

3. **Team Collaboration:**

- Share the template and Global CSS with the team and provide clear instructions for integration.

- Lead the design process if other team members fail to contribute ideas, ensuring a workable solution that aligns with the project's goals.

Team Responsibilities

- Integration **of Assigned Pages:**

   o Each team member must integrate the specific page elements they are assigned into the shared template and adhere to the Global CSS file.

   o Each team member will have to update the footer with links to their Page Editor and information about accessibility corresponding to their web pages.

- Collaboration **on Design:**
  - Actively participate in discussions to determine the website's overall look and feel.

Penalties for Non-Compliance

Failure to adhere to the shared template or Global CSS will result in **penalties**, as this undermines the project's goal of consistency and teamwork.

9.13.2.   Code comments

Ensure that your code is thoroughly documented with clear and concise **comments** to explain its functionality and purpose.

9.13.3.   Validation

All pages should be validated with no errors. Warnings are acceptable. Provide evidence that all your pages have been validated successfully. Include screenshots or reports from the validation tool to demonstrate compliance with web standards. Provide those in the Validation page as explained in 5.12.

9.13.4.   Accessibility

All pages should be validated for acceptability. Compliance of your website for accessibility report can be included as part of your footer.

9.13.5.   Content

Feel free to use royalty free websites to find a suitable logo (https://www.istockphoto.com/), but reference your resources.

5.14. Website folder structure, file naming & hosting [all students]

Each student needs to upload their pages to their account in the University web server. The website Navigation bar will connect the main pages. To assist this the website folder structure and file names MUST be as follows:

- The website folder should named with your team's name that should be a 5 letter long "xxxxx" (provide your team name too your tutors within the first two weeks of SEM2).

- The pages file names should be as follows:

1.	Splash Screen:	splash.html	[Student 1]
2.	Home Page:	home.html	[Student 2]
3.	Volunteer:	volunteer.html	[Student 1]
4.	Table:	table.html	[Student 2]
5.	User Profile:	profile.html	[Student 4]
6.	Feedback:	feedback.html	[Student 3]
7.	Sitemap:	sitemap.html	[Student 4]
8.	Team:	team.html	[Student 3]
9.	Content page:	content_ST1.html	[Student 1]
		content_ST2.html	[Student 2]
		content_ST3.html	[Student 3]
		content_ST4.html	[Student 4]
10.	Page Editor:	pageEditor_ST1.html	[Student 1]
		pageEditor _ST2.html	[Student 2]
		pageEditor _ST3.html	[Student 3]
		pageEditor _ST4.html	[Student 4]
11.	Validation Page:	validation_ST1.html	[Student 1]
		validation _ST2.html	[Student 2]
		validation _ST3.html	[Student 3]
		validation _ST4.html	[Student 4]

The external CSS file to control the format of the entire website should be saved in the CWK folder with the name: **style.css**

If you follow those guidelines and structure, then accessing those pages should be possible with the following URL:

https://wxxxxxxx.users.ecs.westminster.ac.uk/XXXXX/the_above_file_names.html

where **wxxxxxxx** the ID of the team member responsible for implementing the corresponding pages.

Students not following this structure will face penalties as this will affect their team members smooth completion of the coursework for their team members.

Provided you work well as a team you are advised to create a shared folder and use internal links to connect your pages. However, the folder structure suggested earlier can be used to create the navigation bar.

5.15. Contract: Group Coursework Agreement

To ensure equal contribution and the smooth completion of the coursework, each group must adhere to the following requirements:

1. **Group Meetings**

   - Schedule and hold at least five group meetings (e.g., one per week).
   - Meetings should focus on progress updates, task delegation, and resolving any challenges.

2. **Meeting Records**

   For each meeting, the group must maintain detailed records that include:

   - **Date/Time and Method**: Specify whether the meeting was in person, online (e.g., Teams), or another format.
   - **Purpose**: Clearly state the objective of the meeting.
   - **Attendance**: Record which members were present.
   - **Individual Contributions**: Document contributions made by each group member during the meeting.

3. **Reporting Non-Contribution**

   - If a group member fails to attend meetings or does not contribute adequately, the issue must be reported to the **seminar tutor**.
   - The seminar tutor may impose penalties, including marks deductions, if warranted.

4. **Mutual Group Coursework Agreement**

   - All **group** members are required to sign the **Group Coursework Agreement**, committing to:
     o Actively participating in all assigned tasks.
     o Fulfilling their responsibilities as outlined in the agreement.
     o Fairly evaluating each team member's contribution.
   - The signed agreement ensures accountability and promotes effective collaboration within the team.

5. **Submission**

   The completed Group Coursework Agreement, signed by all team members, must be submitted as part of the coursework. You can access the **Group Coursework Agreement on Blackboard in the Assessment Folder.**

6. Coursework Examination

This coursework will be assessed based on the following components:
6. **Implemented Webpages:**

   - Each student is responsible for completing the webpages assigned to them as part of the group project.

7. **Individual Report:**

   - Each team member must submit a detailed report documenting the implementation of their assigned tasks.
   - This report will be included as **content in the Page Editor's section of the website**.

8. **In-Class Demonstration:**

- Each group is required to deliver a mandatory presentation of their website during the scheduled computer seminar class, as outlined on Blackboard closer to the submission deadline.
- During the demonstration, team members must answer questions about the development of their webpages.
- Important: Failure to attend the in-class demonstration will result in penalties.

7. Coursework Submission Instructions

This coursework requires a single submission containing the following components:

1. **URLs to Webpages:**

- Provide the URLs of the webpages uploaded to each student's account on the **University** Webserver.
- *For guidance on uploading files, consult the "Required Software & Access to Services/Transfer Files to the University Web Server" section on Blackboard.*

Provided you followed the file names as proposed in Section 5.14 each student is expected to submit the following URLs on **Blackboard/Assessment/Coursework Submission/ in the corresponding submission link <u>according to the student role</u> you have been assigned for this coursework**:

- **Student 1** submits in the link "<u>**Student 1 Coursework submission**</u>" the following URLs as text:
  - https://wxxxxxxx.users.ecs.westminster.ac.uk/xxxxx/**splash.html**
  - https://wxxxxxxx.users.ecs.westminster.ac.uk/ xxxxx /**volunteer.html**
  - https://wxxxxxxx.users.ecs.westminster.ac.uk/ xxxxx /**content_ST1.html**
  - https://wxxxxxxx.users.ecs.westminster.ac.uk/ xxxxx /**pageEditor_ST1.html**
  - https://wxxxxxxx.users.ecs.westminster.ac.uk/ xxxxx /**validation_ST1.html**
- **Student 2** submits in the link "<u>**Student 2 Coursework submission**</u>" the following URLs as text:
  - https://wxxxxxxx.users.ecs.westminster.ac.uk/ xxxxx /**home.html**
  - https://wxxxxxxx.users.ecs.westminster.ac.uk/ xxxxx /**table.html**
  - https://wxxxxxxx.users.ecs.westminster.ac.uk/ xxxxx /**content_ST2.html**
  - https://wxxxxxxx.users.ecs.westminster.ac.uk/ xxxxx /**pageEditor_ST2.html**
  - https://wxxxxxxx.users.ecs.westminster.ac.uk/ xxxxx /**validation_ST2.html**
- **Student 3** submits in the link "<u>**Student 3 Coursework submission**</u>" the following URLs as text:
  - https://wxxxxxxx.users.ecs.westminster.ac.uk/ xxxxx /**feedback.html**
  - https://wxxxxxxx.users.ecs.westminster.ac.uk/ xxxxx /**team.html**
  - https://wxxxxxxx.users.ecs.westminster.ac.uk/ xxxxx /**content_ST3.html**
  - https://wxxxxxxx.users.ecs.westminster.ac.uk/ xxxxx /**pageEditor_ST3.html**
  - https://wxxxxxxx.users.ecs.westminster.ac.uk/ xxxxx /**validation_ST3.html**
- **Student 4** submits in the link "<u>**Student 4 Coursework submission**</u>" the following URLs as text:
  - https://wxxxxxxx.users.ecs.westminster.ac.uk/ xxxxx /**profile.html**
  - https://wxxxxxxx.users.ecs.westminster.ac.uk/ xxxxx /**sitemap.html**
  - https://wxxxxxxx.users.ecs.westminster.ac.uk/ xxxxx /**content_ST4.html**
  - https://wxxxxxxx.users.ecs.westminster.ac.uk/ xxxxx /**pageEditor_ST4.html**
  - https://wxxxxxxx.users.ecs.westminster.ac.uk/ xxxxx /**validation_ST4.html**

2. **Compressed Files:**

- Upload in your submission a **compressed file (e.g., ZIP)** containing:
  - All website files (HTML, CSS files and images located within the folders you've been working on in your local drive)
  - The folder structure as it exists on your local drive.

3. **Team Mutual Contract for Teamwork Accountability:**
   - Upload in your submission a contract that ensures accountability and effective collaboration within the team signed by all teams members.

8. Marking scheme

The success of this group coursework hinges greatly on effective collaboration among all team members, with each contributing equally to its completion. Each team member has been assigned tasks of equal level of difficulty, and upon successful completion of all tasks, they are expected to receive a collective coursework mark (as shown in Table 1 below). To ensure fairness and objectivity in evaluating individual contributions to the group coursework, a meticulous marking system has been devised that will be available on Blackboard. **The weekly practice tests contribute 5% toward the individual component of the Group Coursework grade. For more details, refer to the module handbook available on Blackboard (BB).**

Table 1 The marking scheme for individual tasks assigned to team members

Task	Mark	Student 1	Student 2	Student 3	Student 4
Website implementation					
Website Style (Template - Global CSS)	10		10		
Splash Screen	10	10			
Home page	10		10		
Volunteer	30	30			
Table	10		10		
User Profile	20				20
Feedback	20			23	
Sitemap (SVG)	20				20
Team	20			17	
Navigation bar	10		10		
Individual tasks	**40**	**40**	**40**	**40**	**40**
Content	6	6	6	6	6
Page Editor (report)	20	20	20	20	20
Validation	4	4	4	4	4
Integration (template + Navigation bar)	4	4	4	4	4
Contract (Group Coursework Agreement)	4	4	4	4	4
Uploaded to Server	2	2	2	2	2
In-class Demonstration	10	10	10	10	10
Weekly practice tests	10	10	10	10	10
Common tasks	**60**	**60**	**60**	**60**	**60**
Total	**100**	**100**	**100**	**100**	**100**