

# Client-Side Development

## Coursework Two Specification

**Submission Date:** Noon, 18/08/2025

**60% of Module Mark**

Remember plagiarism is a serious offence – ensure that you use your own words even when referencing a source. Also reference libraries, tutorials or code that you used.

by submitting CW, you are declaring the following:

“I declare that this is all my own work. Any material I have referred to has been accurately referenced and any contribution of Artificial Intelligence technology has been fully acknowledged. I have read the University’s policy on academic misconduct and understand the different forms of academic misconduct. If it is shown that material has been falsified, plagiarised, or I have otherwise attempted to obtain an unfair advantage for myself or others, I understand that I may face sanctions in accordance with the policies and procedures of the University. A mark of zero may be awarded and the reason for that mark will be recorded on my file.”

More information and guidance and plagiarism can be found in the following University Sites:

- [Cheating and Plagiarism \(ulster.ac.uk\)](https://ulster.ac.uk/cheating-and-plagiarism)
  - [Academic Misconduct Policy 2023/24 \(ulster.ac.uk\)](https://ulster.ac.uk/academic-misconduct-policy-2023-24)
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Learning Outcomes:

- Use relevant interactivity to guide users of a web page
  - Employ usability, accessibility and user experience guidelines that solve an authentic problem
  - Express concepts effectively in visual and written forms
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### Overview

You are required to work in small groups to develop a contemporary and accessible website that includes a Web Form to validate contact and other details. The website should contain multiple pages.

Students are required to apply the key concepts and methods covered during the module HTML, CSS, JavaScript and relevant frameworks (such as jQuery) to implement dynamic interactive design and event-handling techniques (for example, animation, image effects, extensive form validation, etc.). Students will incorporate the knowledge of UX design and apply the principles to develop the HTML structure to consider interactivity, accessibility features, as well as including coding for validation of user input. The website should be standards-compliant and is capable of gathering and conditioning data supplied by a user. Users should be able to browse all the information. Dynamic interactive design and event handling techniques (for example, animations, banners, image effects, date/time, form validation, calculator, and cookies/LocalStorage) are required.

## Submission

This coursework is submitted on Blackboard. Each group is required to submit one summary PDF report of the design (in which each team member contributes 1800 words). It is also required to submit a Zip file containing copies of the markup and code completed for the assignment.

All submitted **assignments** should have the file name:

i) "SurnameFirstNameBNumber" ii) e.g.

BrownJohnB00001234\_AssignmentOne. **Submissions that do not include the code used will be deemed incomplete and be considered nonsubmissions (will receive a mark of zero)**

Note:

### a) Penalties for exceeding the assessment limits

Where submitted work exceeds the agreed assessment limit, a margin of up to +10% of the work limit will be allowed without any penalty of mark deduction.

If the work submitted is significantly in excess of the specified limit (+10%), there is no expectation that staff will assess the piece beyond the limit or provide feedback on work beyond this point. Markers will indicate the point at which the limit is reached and where they have stopped marking.

A mark will be awarded only for the content submitted up to this point. No additional deduction or penalty will be applied to the overall mark awarded. The student is self-penalising as work will not be considered/marked.

Disciplinary procedures due to Academic Misconduct may be invoked if the word count/workload has been deliberately and significantly falsified.

### b) Individual contributions

Students should make use of version control software (e.g. Git) in order to keep track of individual contributions to the assessment. An electronic self and peer assessment should be completed and submitted to the Blackboard online system after the submission of the assignment.

## Team Work Logistics

Group Allocation: Groups will be formed by the Module Coordinator via random selection using a standard spreadsheet algorithm. Support will be provided to students to enhance their experience in forming the group, communicating, building group relationships and operating the groups using collaborative tools. Contingency plans for dysfunctional groups will also be included.

Over the course of the assignment, individual members of the group will submit self and peer assessment surveys indicating the perceived contribution of each group member. These surveys, together with attendance and engagement information, observation of group dynamics, etc, will be used

to determine the peer contribution mark for each student. Individual contribution to the group work shall be more than 30%. A detailed rubric of how marks will be assessed will be provided.

Normally, the mark awarded to an individual will be the group and individual mark plus the peer contribution mark. An individual may be awarded a mark of zero where there is evidence that they made little or no contribution to the group. Students who have made some contribution, but significantly less than others in the group, may be awarded a reduced mark.

The scaling will happen according to the following example of the scheme: Consider a pair group submitting a piece of work that is deemed worthy of a mark of 50%. Consider also that one of the pair has declared their contribution to be 60% and the other declared at 40% (i.e. 10/50 or 20% less effort than an equitable contribution). The person whose contribution is the lesser will have their mark reduced by 10/50 or 20%, i.e. to 40% in this example. The person whose contribution was set at 60% will receive the full awarded mark of 50%.

### **Feedback**

Assessment will take place off-line. Feedback will be provided via Blackboard on 14 September 2025 in compliance with university guidance.

**Assessment Criteria (Individual component mark 30% + Group component mark of 70%)**

Individual Component Mark 30%						
Criteria	0-39% fail	40-49% 3rd	50-59% 2.2	60-69% 2.1	70-79% 1st	80-100% High 1st
Individual contribution to the development of the project via report (15%)	Poor individual contribution. Poor report. Lack of understanding and discussion on final solution.	Limited individual contribution. Little detail completed in the report with limited presentation of the necessary information, making it unclear on what was developed.	Satisfactory individual contribution. Partly completed report with a degree of relevant detail presented. Attention to detail on areas, such as validation could be improved.	Good individual contribution. Details included for the majority of the features created, but more detail could have been included.	Very good individual contribution. Clear view in report of the features attempted.	Excellent individual contribution. Very Clear view in report of all features attempted, along with Validation reports showing how the brief was completely addressed.
Individual contribution to the Implementation of the solution (15%)	The solution was poorly implemented and documented. No/Little effort has been made in following good practice in the designing and writing code.	The solution was limited implemented and documented. No/Little effort has been made in following good practice in the designing and writing code.	The solution was reasonably well implemented and documented. Satisfactory effort has been made in following good practice in the designing and writing code.	The solution was well implemented and documented. Good effort has been made in following good practice in the designing and writing code.	The solution was very well implemented and documented. Very Good effort has been made in following good practice in the designing and writing code.	The solution was excellently implemented and documented. Excellent effort has been made in following good practice in the designing and writing code.
<b>Total</b>	<b>30%</b>					

Group Component Mark 70%						
<i>Criteria</i>	0-39% fail	40-49% 3rd	50-59% 2.2	60-69% 2.1	70-79% 1st	80-100% High 1st
Separation of concerns physically in the file structure and logically in the separation of the HTML, CSS and code <b>(5%)</b>	Little evidence of organisation on of files or logically in the HTML.	One additional folder included.	Attempt to locate folders.	Partially organised into folders physically, but could be better separated in the HTML.	Mostly organised into folders with consideration to the folder names and contents.	Fully separated physically and logically for the HTML from CSS and jQuery.
Background image and favicon used cross all web pages <b>(5%)</b>	Neither included.	One Included, but not stored in a suitably named folder.	Not stored in images folder, but appropriate dimensions and file size for background image.	Stored in images folder, but unclear if the file size has been compressed.	Stored in images folder and of the appropriate dimensions and file size.	Stored in images folder and of the appropriate dimensions and file size and favicon catered for.

<p>CSS and linking to the HTML (Using classes, ids selecting appropriate naming) on the image /map web page <b>(15%)</b></p>	<p>Little or no attempt to include external style tags (Relying heavily on browser default CSS or inline attributes used).</p>	<p>Limited CSS created and includes duplicates or obvious errors.</p>	<p>CSS created with no duplicates or obvious errors.</p>	<p>Reasonable set of CSS created, but not stored in an external file or naming of styles is misleading as to their expected styling.</p>	<p>Linked External CSS that shows an image background and information is displayed with user-specified style and has a layout that is user friendly.</p>	<p>Linked External CSS with appropriate cascade and naming that shows an image background with effects (example: transitions) and information is displayed with user-specified style.</p>
<p>Javascript and jQuery to control display of information on the information web page <b>(15%)</b></p>	<p>No user interaction to reveal data on a user click by click basis.</p>	<p>Minimal attempt included to reveal the information after each user click.</p>	<p>Clear attempt included to reveal the information after each user click.</p>	<p>Animation included to reveal all the information after one user click.</p>	<p>User friendly use of animation to reveal the information after each user click.</p>	<p>Excellent use of animation in a memorable way to reveal the information after each user interaction.</p>
<p>Javascript and jQuery to validate user input on the Web Form page <b>(15%)</b></p>	<p>No inclusion of code to allow interaction.</p>	<p>No collection of user data or ability to enter new user input for display at the end of the existing information.</p>	<p>Limited attempt at collection of user data to enter new user input, but errors remain unresolved.</p>	<p>Good attempt at the collection of user input, but errors remain unresolved.</p>	<p>Collection of user input with the addition of the entered information in the updated DOM.</p>	<p>Collection of user input and validation of the entered information in the updated DOM and reflected seamlessly on the web page.</p>

Accessibility of Web Form <b>(15%)</b>	Not obvious it has been attempted.	Little clear evidence this has been attempted.	Some consideration of accessibility included.	Consideration for a wider audience than just the developer.	Good effort in accommodat ing a diverse set of users.	Excellent attempt to add this for a diverse set of users.
<b>Total</b>	<b>70%</b>					