National College of Ireland

BSHCIFSC1_HCCOMP1_BSHDS1_BSHCIFSC2_AE_NT, HCDS1_BSCHE1_HCCOMPE1

Release: 23rd Oct 2025 @ 9am
Submit: 5th Dec 2025 @ 11.59pm.
Emer Thornbury
Hamilton Niculescu

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Web Design and Development

Continuous Assessment (CA) Type: Project

Weight: This assignment is worth 50% and will be marked out of 100.

Instructions: Project with groups of 3 or 4.
Notepad++, Sublime (no IDEs or editors that autogenerate code are to be used).

SUBMISSION DETAILS:
Submission on Moodle to be one zipped folder with website code and one report per group (in either video, Word document or PDF format).

Late submissions will not be subject to late penalties if the student applied for an extension through NCI360 and it was approved.

Live presentations: Students will be required to attend a presentation to assess their understanding of the work submitted. Any student who doesn't attend the presentation will receive a mark of zero unless they have approved personal circumstances via NCI360.
Where a student has approved personal circumstances, they will present the project individually at a later date – the remaining group members will present as scheduled.

TURNITIN: All report submissions will be electronically screened for evidence of academic misconduct (i.e., plagiarism and collusion). Final submission should be each students own work and no GenAI content is allowed.

Learning Outcomes:

Demonstrate competent use of HTML, CSS and JavaScript in the creation of web pages with good coding principles.
Use JavaScript to manipulate the DOM and in form validation.
Debug and optimise client-side code for sustainable web development.
Design, plan, implement and deploy websites online.

Project Submission:

The project will be completed as part of a group of 3 or 4 (no individuals projects).

- Submission is **1 website** and **1 project report** per group to be submitted on Moodle. Do not email submissions.
- Everybody is required to fill in and submit a **peer evaluation form**.
- There will be **in-class presentations**.

Project Requirements:

The theme of the project is "***Sustainability***". See the 17 Sustainability Goals

Choose one theme for your website from the 17 Sustainability Goals.

Group work to demonstrate:

- design
- project management throughout the duration of the project
- responsiveness using Bootstrap or a responsive framework (you cannot use a theme)
- consistent navigation across all webpages
- good coding practices that include file-path structure
- testing & deployment

Please note: It is the responsibility of each individual student within the group to have your own work clearly identified in the following ways:

- meta tags on every HTML file to clearly show the author (for individual grading).
- comments to clearly demonstrate your contribution in shared files such as report and CSS files.
- comments to clearly demonstrate you are the author in any other files.
- for images on your own webpages, include your initials in the file name.
- comments to clearly show your understanding of code
- on-going regular commits to your own GitHub repo over the duration of the project

Project Report:

One Word doc or PDF file to demonstrate the following:

- Design
- Project management
- Before and after screenshots of all testing. (Please note that any screenshots of wireframes attached separately will not be graded, but they must be included within the report document.)

- Link to deployed website.
- Links to the public GitHub repo for each student with at least 8 commits demonstrating on-going work (cannot be all in the last 2 weeks).

If doing a video report, provide the link to the video demonstration in your document.

Deliverables
- The project is made up of a number of deliverables.
- Following each deliverable, your group will be given feedback during class time, not via email.
- Feedback should be taken on board and applied to the deliverable before the final submission.
- Marks for each deliverable are awarded after the final submission.

Checkpoint 1 (Project management & design documents) – week 8, Sunday 9th Nov @ 9pm
- One submission per group
- 10 marks out of 100

This submission should be in the form of a single Word document or PDF containing screenshots of the following:
1. Design ideas, sitemap, wireframes, etc
2. Excel sheet of tasks broken down over the weeks and who is assigned the task
3. GitHub link to each students own project repo.

Checkpoint 2 (Template/skeleton website) – Week 9, Sunday 16th Nov @ 9pm
- One submission per group
- 15 marks out of 100

This submission should be in the form of a zipped folder which contains:
1. Website with Bootstrap incorporated consistent with wireframe.
2. Website navigation to be on all pages.
3. Author to be clearly demonstrated on each webpage.

Final Submission – Week 12, Friday 5th Dec @ 11.59pm.
- Only one submission per group
- Final 75 marks out of 100
- This submission should be in the form of a zipped folder which contains the final website files, folders and images.
- Single project report in PDF or doc format (see details above).

It is important to read the Marking Rubric below.

	80-100% Excellent & above	70-79% Excellent	60-69% Very good	50-59% Good	40-49% Poor	< 40% Fail
Design & project management [20%]	Excellent evidence of design process, consistent with final website. Very well documented. Excellent project management demonstrated. Deliverables submitted on time. Any feedback was clearly taken on board and incorporated to an excellent degree. GitHub link showing ongoing regular commits over the project duration, has used gitbash or git gui successfully.	Very good design process, consistent with final website. Very good project management demonstrated. Very well documented. Deliverables submitted on time. Any feedback was clearly taken on board and incorporated to an excellent degree. GitHub link showing ongoing regular commits over the project duration, has used gitbash or git gui successfully.	Good design process, mostly consistent with final website. Good project management demonstrated. Well documented. Deliverables submitted on time. Any feedback was clearly taken on board and incorporated to a very good degree. GitHub link showing regular commits over the project duration, has used gitbash or git gui successfully.	Good design process, mostly consistent with final website. Good project management demonstrated. Documentation shows some effort. Deliverables submitted on time. Any feedback was taken on board and incorporated to a good degree. GitHub link showing few regular commits, has used gitbash or git gui successfully.	Some evidence of design process, somewhat consistent with final website. Minimal project management demonstrated. Documentation shows little effort. Deliverables not submitted on time. Feedback was not clearly taken on board or minimally incorporated. GitHub link showing commits in the last week before submission.	Poor or no evidence of design process, inconsistent with final website. Documentation shows minimal effort. Poor or no project management demonstrated or documented. Deliverables not submitted on time. Feedback was not taken on board. No GitHub link or a link where code cannot be viewed.
Individual coding practices using HTML, JS and CSS [45%]	Excellent implementation of HTML elements, implemented excellently, working perfectly. Demonstrates excellent advanced functionality. Excellent use of CSS in a single file. Excellent use of JS in manipulation of the DOM & form validation. Visually appealing and clear to users. With informative comments.	Very good implementation of HTML elements, implemented very well, working perfectly, Demonstrates very good advanced functionality. Very good use of CSS in a single file. Very good use of JS in manipulation of the DOM & form validation. Visually appealing and clear to users. With informative comments.	Very good implementation of HTML elements, working perfectly. Demonstrates good advanced functionality. Very good use of CSS in a single file. Very good use of JS in manipulation of the DOM & form validation. Visually appealing and clear to users. With informative comments.	Good implementation of HTML elements, working perfectly. Demonstrates some advanced functionality. Good use of CSS in a single file. Good use of JS in manipulation of the DOM & form with some basic validation. Visually appealing and clear to users. With informative comments.	Adequate implementation of HTML elements, working perfectly. Demonstrates no advanced functionality. Adequate use of CSS in a multiple files. Adequate use of JS in manipulation of the DOM & form with minimal validation or uses HTML5. Visually appealing and has no functionality. Images are not optimised.	Poor implementation of HTML elements, Poor or no use of CSS. Poor use of JS in manipulation of the DOM & form shows very poor effort. Visually unappealing and has no functionality. Images are not optimised.
Responsive website & navigation [15%]	Website is responsive with no visual errors using a responsive framework with extensive customisation. With informative comments. Navigation fully working.	Website is responsive with no visual errors using a responsive framework with some customisation. With comments. Navigation is fully working.	Website is responsive with no visual errors using a responsive framework with no customisation. Navigation is fully working.	Website is responsive using a responsive framework but with some visual errors. Navigation is mostly working.	Website is responsive, no framework used and with visual errors. Navigation not working.	Website is not responsive & navigation not working.
Testing & deployment [10%]	Website deployed. Images optimised correctly. Validator showing an excellent result. Optimisation demonstrated via Google Page Speed rankings – excellent result. All excellently documented.	Website deployed. Images optimised correctly. Validator showing a very good result. Optimisation demonstrated via Google Page Speed rankings – very good result. All excellently documented.	Website deployed. Images optimised well. Validator showing a good result. Optimisation demonstrated via Google Page Speed rankings –	Website not deployed. Images adequately optimised. Validator showing an adequate result. Optimisation demonstrated via Google Page Speed rankings – adequate result.	Website not deployed. Images minimally optimised. Validator showing a poor result. Shows little evidence of testing or optimisation. All	Website not deployed. Images not optimised. Shows no evidence of testing or optimisation. All minimally documented.

			good result. All very well documented.	All well documented.	documented with very little effort.	
Innovation [10%]	Gone above and beyond what was done in class demonstrating transferrable skills and independent learning. Extra work is fully commented to show understanding. They have also implemented the fundamentals to a high degree.	An excellent effort shown above and beyond what was done in class demonstrating independent learning. Extra work is fully commented to show understanding. They have also fully implemented the fundamentals well.	A good attempt to implement ideas/code that was not taught and has implemented the project fundamentals.	An attempt to implement ideas/code that was not taught but has not fully implemented the project fundamentals.	An attempt to implement ideas/code that was not taught however has not fully implemented the project fundamentals.	Poor attempt to implement ideas/code but has implemented very little of basic requirements.