cct College Dublin
Computing • IT • Business

Programme Title/Year:	**BSc Year 1**
Module Title:	**Client-side Programming**
Lecturer Name:	John Snel
Assignment Title:	First Web Site
Assignment Type:	Continuous Assessment 1 (CA1)
Assessment type:	Individual
Weighting:	20%
Date issued:	
Due Date:	**20/03/2021, 23:55**
Method of Submission:	Submissions **must be** zipped and uploaded to Moodle before the submission deadline. **No submission will be accepted via email.**
Late submission:	A penalty of 10% of the marks awarded is deducted for any work that is submitted after the deadline and up to 5 working days late, after which a mark of 0 is awarded.

Module Learning Outcomes

For this assignment, the learner will be assessed on the following module learning outcomes:

- **MLO 1** - Explain the fundamentals of client-side programming for adding dynamic content to applications
- **MLO 2** - Write well-structured client-side code for interactive web applications

Instructions

You are required to build a website (minimum 3 pages) using the front-end technologies HTML, CSS, and JavaScript[1].

You must explain what these technologies are and how they are used on each page. For example, the first page will have information about HTML, the second page will have information on CSS and the third page will have information on JavaScript. You are encouraged to add features on each page to showcase your ability to use these technologies. It is important to include a JavaScript feature on your website.

Ensure that you include links on each page so that the user can navigate easily around your website.

[1] You may also add a page for the CSS framework, if you are using one.

Your site should have a consistent design across all pages and should follow to web design standards[2].

For your design, you are allowed (and encouraged) to use a CSS Framework such as Bootstrap. **HOWEVER - You should NOT use a template unless you make significant alterations (to the HTML, CSS, etc) of your own. If you submit a template website then your mark will be either low or could even be zero!**

Some example features to include in your site can be found at the following link: W3Schools How To.

Referencing Code

If you are taking code that is only a couple of lines long (less than 5), you don't have to reference it. If a large chunk of code is used (more than 5 lines, for example) from an external source, you must reference it in a comment. Below is an example for referencing a bit of code from w3Schools:

```
<!--
The following 4 lines of code (or lines 10 to 19) has been sourced from
https://www.w3schools.com/
-->

<div class="jumbotron text-center">
  <h1>My First Bootstrap Page</h1>
  <p>Resize this responsive page to see the effect!</p>
</div>

<div class="container">
  <div class="row">
    <div class="col-sm-4">
      <h3>Column 1</h3>
      <p>Lorem ipsum dolor..</p>
    </div>
    ...
```

[2] Some example sites to look at for web design standards:
1. https://www.webascender.com/blog/7-website-conventions-to-follow-when-designing-your-website/
2. https://www.orbitmedia.com/blog/web-design-standards/

Marking Scheme

Description	Weighting
1 – **Content:** explains the fundamentals of the client-side technologies.	15 Marks
2 – **Links and navigation:** no broken links, able to determine location on all pages, reader can easily move from one page to a related page.	10 Marks
3 – **Code:** HTML tags are balanced and indented correctly, sufficient commenting, external use of files (CSS, JavaScript), appropriate folder structure, sources of information are credited.	5 Marks
4 – **Design consistency**: design consistency exists within the whole site. Each page must look similar to each of the other pages in color, text, format, layout	10 Marks
5 – **Overall quality:** site simplicity (content is simple and to the point, design is easy to understand), page layouts, graphics, fonts, color schemes, etc.	20 Marks
6 – **Site features:** included features included in site not specifically within the requirements that show evidence of independent research.	20 Marks
7 – **JavaScript example:** Demonstration of student to add interactive element using Vanilla JavaScript. Marks awarded will be proportional to the level of complexity in the script, i.e. the challenge involved.	20 Marks