ASSESSMENT HANDOUT

INTRODUCTION TO WEB TECHNOLOGIES

MODULE CODE	CCS1210
MODULE TITLE	Introduction to Web Technologies
PROGRAMME	B.Sc.
DEPARTMENT	Computer Science
CREDITS	10
STAGE OF STUDY	1st
SEMESTER/SESSION	Fall / 2025 - 26
LOCATION	Thessaloniki
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ACCREDITATION	The programme is accredited by the British Computer Society (BCS)

ASSESSMENT NUMBER	1
CONTRIBUTION	50% of the module final mark
ASSESSMENT TITLE	Development of a website
ASSESSMENT TYPE	Project
HAND-OUT DATE	4/11/2025 (Week 4)
SUBMISSION DATE	exact date TBA (Week 12)
FEEDBACK DATE	Week 15

LEARNING OUTCOMES

- Demonstrate how the WWW works, and what is the function of each technology used in web development
- Compare and contrast the different technologies used for website development.
- Plan the structure of a website and organise the information in it
- Design the look of a website using appropriate technologies
- Work collaboratively in a group

ASSESSMENT CRITERIA

Individual Assessment Criteria
Working well within the group **[20%]**
Layout and organisation of the information inside the webpages **[10%]**
Proper use of technologies (HTML, CSS and JS) **[20%]**
Additional value due to extra features (other than we have seen in class) **[10%]**
Ease of use and navigation **[10%]**
Individual webpage **[10%]**

Group Assessment Criteria
Organisation of the website to webpages (site map) **[10%]**
Coverage of the content of the website **[10%]**

If you have any questions about the course work, you may either contact me after my lectures or email me (k.dimopoulos@york.citycollege.eu).

DETAILED DESCRIPTION

You work in a team for a software house. Your team (including yourself) is composed of 4 to 5 members, and is tasked with the creation of a static website for an external client. The website **should include** the needed material (text, pictures, links, etc.) for a wide coverage of the specified subject assigned by the client after in depth analysis you will have to perform. You will deliver the final website on week 12 (for details about the

website see below). Specifically each member of the group will play a specific role. The two roles in the company and their responsibilities are:

The group leader. They will be responsible for the following subjects:

1. **Organise the group's meetings every week**, check and be able to report the group's progress to the manager (your instructor) of all the developing teams, and especially any problems with the group dynamics.
2. **Keep a journal** about the group meetings, the issues discussed and the work done. You should share this with me and update it every week. A template will be provided.
3. **Coordinate the efforts of the group**, by having the final word about the deadlines and tasks, and making sure the group members (including the group leader) adhere to these deadlines.
4. **Develop part of the website**, including the landing page, and integrate the pages from the rest of the developers.

The developers. They will be responsible for the following subjects:

1. They will actually **create the major part of the website**. Of course each developer will co-operate with the other developers (that's what groups are) and the leader to achieve **a common look** to their web pages. The leader will be responsible to tune the whole communication, to make sure the created web site has similar layout, functionality and look.
2. **Perform the major part of information gathering, and information analysis for the web site**.

DESCRIPTION OF TASKS FOR THE COURSEWORK

1. **Form teams.** Four or five students of the class, at your suggestion and the final approval of the instructor, will form the Web developing company. All members in the group are responsible for taking critical decisions about its development (deciding on the content, assignment of tasks, setting deadlines etc), and developing the website. Register your group at the groups section in Google classroom, and select roles.
2. **Suggest a topic of your choice at the Google classroom (final approval by the lecturer)**. No two groups can take the same project unless there is significant differentiation, so a strict first come first served order will be kept. Register your choice and get approval by talking to the lecturer first. Your website should be original, have its own unique structure, and its own unique content. Talk to the lecturer about the content and theme of your website.
3. **Find and evaluate sources that you can use.** Once you get approval from the lecturer, gather information about the subject of the project. You can use GenAI to generate any content on your website like text and images, but strictly no code.
4. **Compile an initial plan** (a document assigned to you via Google classroom) with the following components:
   - **Title of the website**
   - **Short description of the website:** subject content, and who the target audience is (demographics, e.g. age, background, etc.).
   - **Group composition**: Who is in the group, and what are their roles and responsibilities.
   - **List of identified sources**: Explain where you will get information from (text and images), and if you will need to get approval for it. You may create your own content (write the text and take your own photos), ask for permission to borrow text and graphics from others, or use GenAI.
   - **Site Map**: Make a sitemap, listing all webpages your website will have. You can use https://www.gloomaps.com/ or https://app.diagrams.net/ to draw the site map.
   - **Content descriptions**: for each webpage you mention in the site map, give a short description about the content it will contain.
   - **List of responsibilities**: for each group member a list of responsibilities (what part of the website is responsible for, what pages, what content etc). **Plan of action**: Make a plan about what tasks are assigned to what group member (investigation of what sources, development of which pages, layout design with CSS) and by when. Create a Gantt chart (similar to the Assessment Workload Map) showing the responsibilities in time, with clear start and end dates. NOTE: you may use a table for this).
5. **Create the website** based on the plan you have created, and according to the instructions above. A GitHub repository will be assigned to your team for this purpose. The final version of the website should be made public and available as a GitHub site, no later than the time specified above on week 12.

WEBSITE REQUIREMENTS

The website should be built using HTML5, CSS3 and JavaScript technologies only, using any text editor (like VSCode, Brackets, etc.). However any code generating suite or GenAI tool **for code generation** is strictly forbidden.

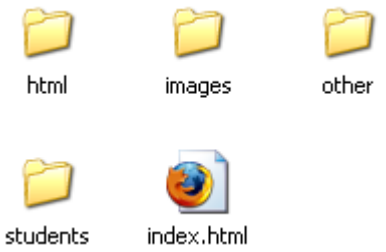
You can split the work by assigning specific parts of the website to group members (including the leader). Some of you might want to create a CSS template that everyone in the group will use, thus giving your website a uniform look. You might want to include special JS in your pages that add functionality features thus giving extra value to your work.

The size and complexity of the webpages is hard to define, and you should not approach the development of the website from this point of view. Your website should not be a copy of an existing website in any way (look, information, etc) including the work we do in the labs, and you are forbidden from using prefabricated templates. The aim of the project is for you to demonstrate your understanding of the web technologies we saw in class.

As a rule of thumb, an absolute minimum of 5 html pages per developer (3 for the leader) is required. However the exact number of pages also depends on the complexity of the HTML / CSS / JavaScript on the page, as the pages should have some complexity (much more than what we develop in the labs). Material included at the website (photos, text, etc) should not be copyrighted, unless you have the explicit permission of the owner, in which case you should explicitly state it at the website. I recommend that you either use pictures that you take yourself (with a mobile phone for example), or use a free pictures repository (like we discussed in the class), or ask for permission (in which case you must explicitly write in the website where you obtained the permission from. You may also use GenAI for this.

At the top of each submitted HTML/CSS/JavaScript file you should include as a comment the name of the author(s). If your contribution is in the middle of the page, you should include a comment there. Each member will individually be marked for the pages they created in the whole web site.

Every student should submit their own personal web page. The source file of their webpage should be named by their last name (i.e. the instructor's main file should be named dimopoulos.html), and ALL other files and folders should be in a folder named by their last name again. The structure of your website should be the following:



This means that all the html files with the exception of the start page must be located in the "*html"* folder. Similarly all the images that you will use, must be located in the "*images"* folder. The "*students"* folder will contain the personal websites of each member of the group. The "*other"* folder is optional and can be used to contain any other type of file you may use. The "*index.html"* file must be your starting page. The substructure of each of these folders is left to the groups' discretion.

Note: The personal webpage ***should include detailed comments about the use of several HTML commands*** used for its creation. Also every personal web page should at least include personal details for the student (i.e. name, date of birth, studies, few words describing him), their interests in CS, their hobbies and interests in general.

SUBMISSION

Students are expected to submit:

- A website at GitHub by the end of the project.
- A presentation at Google classroom by the date of the presentation which will be announced on week 12.
- A short group report at Google classroom with a plan by week 6.

USE OF GENERATIVE ARTIFICIAL INTELLIGENCE	
	You will have the opportunity to use GenAI on many occasions during your studies. Based on the learning outcomes of this module, in this assessment **you are allowed the limited and acknowledged use** of GenAI (for generating the content of the website, like text and images), but not for generating any code or html/css/JavaScript. You must declare/cite any use of GenAI tools according to the given specific guidelines. Suspected unacknowledged or false declaration of GenAI use may still be investigated under the Use of Unfair Means Policy as stated in the Regulations.

NOTE

This piece of assessment should be completed and submitted by the student (or group of students in group work) without assistance from or communication with another person either external or fellow student (outside the group). All sentences or passages cited in the assignment from other people's work should be specifically acknowledged by complete and accurate reference to the author, work and page(s). Failure to abide by the above regulation constitutes use of unfair means (collusion, plagiarism etc.) and will result in a fail mark for this work. It might also invoke disciplinary actions. It is at the instructor's discretion to conduct an oral examination, which will result in the award of the final grade for that particular piece of assessment.