



UOW COLLEGE AUSTRALIA

PATHWAYS TO UNIVERSITY OF WOLLONGONG

DPIT128: Introduction to Web Technology (Spring 2023)

Assignment 1 (5%) due by Friday 14th of July 2023 at 11:55 PM

Learning Outcomes

- Ability to develop HTML5 documents in accordance with established standards and conventions
- Ability to integrate CSS3 properties and values using both inline and internal approaches
- Ability to validate CSS3 enhanced HTML5 documents using W3C validation services

Submission Instructions

Submit a single HTML file using the “Assignment 1” submission facility on Moodle. Please name your HTML file as `STUDENTNUMBER_A1.html` (where `STUDENTNUMBER` is the **7-digit number** shown on your student card).

*Assignments are marked using the **Google Chrome** browser. Check all work in this same browser prior to submission.*

Please be aware of the following:

1. Late submissions will incur an awarded mark deduction of 10% for each day late.
2. Submissions more than 3 days late will not be marked (a zero will be automatically awarded).
3. Please apply for academic consideration if you need an extension. The UOW College “Academic Consideration Policy” can be found at the following URL:
<https://www.uowcollege.edu.au/about/governance/policies-procedures/>
4. Plagiarism is treated seriously! If we suspect that work has been copied, ALL students involved are likely to be awarded a mark of zero for the entire assessment.
5. This assignment is scheduled to be marked during Weeks 4 & 5.

There are 6 tasks in this assignment.

Task 1: Create the HTML and CSS code needed to display an image with a specific set of CSS effects (*as shown below*). You must use the specified URL to complete this task.



Design Requirements:

- An **absolute URL** should be used as the image source (*see “Design Resources”*).
- A similar image size must be specified *inline* using the correct CSS declaration(s).
- The border should be applied *inline* using the correct CSS declaration(s) (*see “Design Resources”*).
- A border radius must be specified *internally* using an 'ID' selector and the correct CSS declaration(s).
- The border radius should be set to 10px for top corners and 50px for bottom corners.

Design Resources:

Image File URL	https://mywebspace.net.au/UOWC128/assignment_1/images/task_1.png
Border Effect	2px solid #ff0000

This task is worth 0.5 marks.

Task 2: Create the HTML and CSS code needed to display a video with a specific set of CSS effects (*as shown below*). You must use the specified URL to complete this task.



Design Requirements:

- An absolute URL must be used as the video source (see “**Design Resources**”).
- Appropriate sizing should be specified *inline* using the correct CSS declaration(s).
- A mouse cursor effect must be declared *internally* using a ‘type’ selector and ‘pseudo-class’.
- The cursor effect should only apply when the mouse hovers over the video (see “**Design Resources**”).
- A shadow effect must be specified *internally* using a ‘class’ selector and the correct CSS declaration.
- The shadow effect should use the dimensions and colour specified below (see “**Design Resources**”).

Design Resources:

Video File URL	https://mywebspace.net.au/UOWC128/assignment_1/videos/task_2.mp4
Cursor Effect	crosshair
Shadow Effect	10px 10px 10px #808080

This task is worth 0.5 marks.

Task 3: Create the HTML and CSS code needed to display an unordered list with a specific set of CSS effects. You must use the same information and styling as shown below.



Design Requirements:

- The type of symbol used for the outer list must be specified *inline* with the correct CSS declaration.
- An arial font and 15px font size should be declared *internally* using a single ‘class’ selector.
- HTML character entities must be used where appropriate.

Please Note:

- The list should be placed within the `div` element already provided by the submission template.
- Use indentation within your code to improve its overall readability.

This task is worth 0.5 marks.

Task 4: Create the HTML and CSS code needed to display an ordered list with a specific set of CSS effects. You must use the same information and styling as shown below.

1. Introduction to Web Technology
2. Networks and Communications
3. Object Oriented Design and Programming
4. Data Management and Security
5. System Analysis
6. Problem Solving
7. Programming Fundamentals
 - a. *Inputs & Outputs*
 - b. *Programming Control Structures*
 - c. *Working with Methods*
 - d. *Working with Classes*
 - e. *Instantiating & Messaging Objects*

Design Requirements:

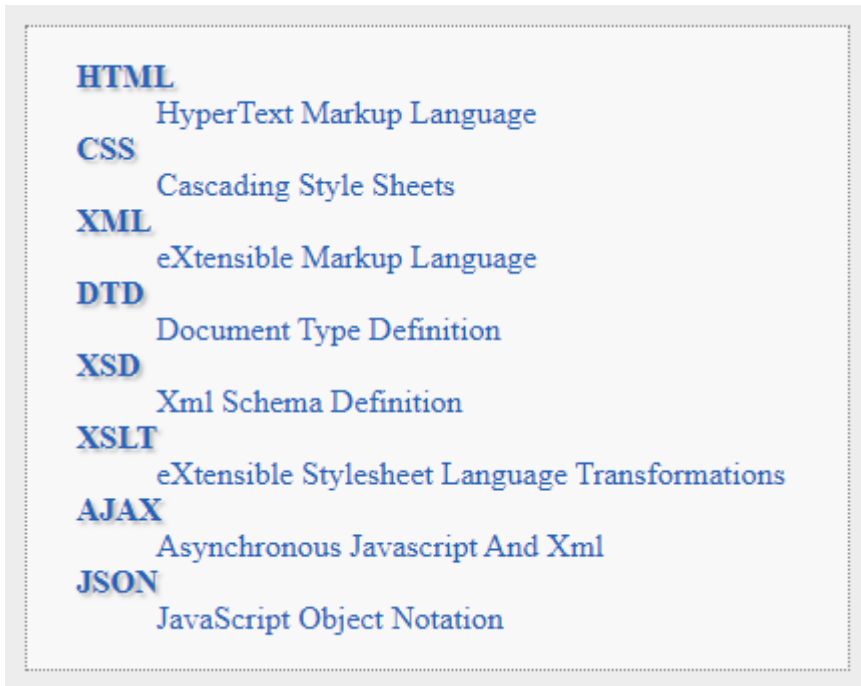
- The type of symbol used for the nested list must be specified *inline* with the correct CSS declaration.
- The italic styling used for the nested list should be specified *inline* with the correct CSS declaration.
- HTML character entities must be used where appropriate.

Please Note:

- The list should be placed within the `div` element already provided by the submission template.
- Use indentation within your code to improve its overall readability.

This task is worth 0.5 marks.

Task 5: Create the HTML and CSS code needed to display a description list with a specific set of CSS effects. You must use the same information and styling as shown below.



Design Requirements:

- The text colour must be specified *inline* using the correct CSS declaration (see “**Design Resources**”).
- A left margin of 25px should be specified *inline* using the correct CSS declaration.
- The bold styling for all dt elements must be declared *internally* using a ‘type’ selector.
- A text shadow should also be included within the same CSS declaration block.
- The shadow effect must use the dimensions and colour specified below (see “**Design Resources**”).

Design Resources:


Text Colour	#2361b7
Shadow Effect	2px 2px 2px #bfbfbf

Please Note:

- The list should be placed within the `div` element already provided by the submission template.
- Use indentation within your code to improve its overall readability.

This task is worth 0.5 marks.

Task 6: Create the HTML and CSS code needed to display a table containing a caption, an image and several different CSS effects. You must use the same information and styling as shown below.

UOW College Examination Timetable - Summer Session 2021				
	DPIT128 Introduction to Web Technology (Wollongong Only)			
	DPIT127 Networks & Communications (Wollongong Only)			
	DPIT114 System Analysis (Wollongong & South Western Sydney)			
	DPIT111 Programming Fundamentals (Wollongong & South Western Sydney)			
Examination Times, Rooms & Durations				
DPIT128	DPIT127	DPIT114	DPIT111	
9:30am - 12:30pm	1:30pm - 3:30pm	8:30am - 11:30am	10:30am - 12:30pm	
27.G01	27.G02	27.103 & 2.29	27.104 & 2.30	
3 Hours	2 Hours	3 Hours	2 Hours	

Design Requirements:

- The table should be horizontally centred on the page using the correct CSS declarations.
- A collapsed border along with padding set to a value of 8px must be applied (see “**Design Resources**”).
- The above declarations should be specified *internally* within separate rules using ‘type’ selectors.
- A table width of 700px must be applied *inline* using the correct CSS declaration.
- A `calibri` font and 16px font size should be specified *internally* using a single ‘class’ selector.
- The bold styling for the `caption` element must be applied *inline* using the correct CSS declaration.
- A bottom margin of 10px should also be specified *inline* for the same `caption` element.
- The background colour for the ‘shield’ cell must be declared *inline* (see “**Design Resources**”).
- The alignment for each ‘subject name’ cell should be specified *internally* using a single ‘class’ selector.
- The “... Times, Rooms & Durations” cell must be declared as the only `th` element within this table.
- The background colour for the `th` element should be specified *inline* (see “**Design Resources**”).
- Each ‘subject code’ cell must be set to a width of 25% using the correct CSS declaration.
- HTML character entities should be used where appropriate.

Design Resources:

Image File URL	https://mywebspace.net.au/UOWC128/assignment_1/images/task_6.png
Border Effect	1px solid #808080
Background (shield)	#f8f8f8
Background (th)	#d3d3d3

Please Note:

- Use the `colspan` and `rowspan` attributes where needed to correctly structure your table.
- Be sure to use an appropriate/descriptive name for each of your 'class' selectors.
- Use indentation within your code to improve its overall readability.

This task is worth 1.5 marks.

The following applies to all relevant components of your submission:

Additional Marking Criteria	Available Marks
Document validates <u>without issue(s)</u> using the W3C HTML & CSS validators	0.5
HTML & CSS code is neat and suitably indented (<i>2 Spaces Only</i>)	0.25
Document contains explanatory HTML & CSS commenting where appropriate	0.25

- THIS IS THE END OF THE ASSIGNMENT -