



Abertay University

**School of Design and Informatics
Session 2024**

HEP504: Web Development

**Practical Assessment 1:
Tech News Web Page**

Weighting: 25%

Due: Monday of week 4 at 12:00 (noon)

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Web Development Practical 1: Tech News Web Page

This practical brief outlines the first of two practical assessments which creates your graded portfolio for this module.

You are expected to attempt all tasks within this brief. However, if the work is unfinished or contains errors, please submit everything undertaken and any incomplete work will be marked accordingly.

Create a Tech News Web Page

The aim of this assessment is to create a Tech News web page. You can decide and design the actual content and look of the webpage as long as you complete all the assessment tasks, however the website should contain at least three news articles. Feel free to use tech news articles from other websites, but make sure you include a reference to the original websites in both on your webpage article and in your report.

Before starting make sure you have completed the Laboratory Exercises for weeks one and two of this module. Their content will help prepare you to undertake this assessment. You may also make use of the source code provided in the lectures and build upon your work in the Laboratory Exercises to complete this practical assessment.

You may use any text editor of your choice: Notepad, Notepad++ or something else. Do your best to ensure your code is correct and follows the latest standards. Please feel free to ask questions in the Module Q&A within the 'Discussions' tab on Canvas, if you are unsure of anything.

Task 1 - Webpage Structure.

Start adding content and creating the structure of your tech news webpage using HTML. Your webpage should demonstrate at least one example of each tag and attribute show below:

HTML Tags			HTML Attributes
head	article	ol	href
body	figure	h1	src
footer	img	p	alt

Feel free to have duplicates of the tags and attributes detailed above and add others if you feel that they would enhance the webpage.

Document your source code using comments. Start by adding comments detailing the code you produced for this task and then continue commenting on your code as you complete the other tasks.

Task 2 - Adding Style and Colour

Add some style and colours to your site by using CSS. You can implement whatever you feel might make your website more engaging. A demonstration of two or three colours and two or three other style effects on your website is sufficient to complete this task. Plenty of information on how to get started in this area can also be found on w3schools.com.

Note: Multiple implementations of the same CSS rule will be counted as 1.

Experiment with using the <div> tags to contain and manipulate other HTML elements. Demonstrate manipulating the border, text-align, font-size and font-family attributes of HTML elements using <div> tags.

Task 3 - CSS Image Gallery

Create an image gallery for your website. For examples see the [w3schools image gallery tutorial](#).

Ensure that the CSS image gallery you implement within your website uses your own images. These Images can be anything you wish as long you source copyright free images or you can create them yourself. Ensure that you provide references for these images in your report.

Task 4 - Uploading to the Abertay Student Web Server

By the time you attempt this assessment you will have been provided with server space on the Abertay student web server. See the “**Connecting to your webspace.pdf**” in lecture materials in week 1 for detailed step-by-step instructions on how to upload your website to the Abertay student web server.

If everything has been done correctly your website will now be available to view online. You must include a working URL to your website hosted on the the server in your report.

Task 5 - Cross platform testing

Now that you have created your website it would be wise to test how the web content appears when viewed on mobile as well as on desktop devices. So, let’s consider, what does your site look like on your phone?

Include your answers and thoughts on this question in a short section of your report.

Note: It is not expected that your website “looks good” on mobile at this point in the module, so don’t worry about trying to correct for any differences between the mobile and desktop displays of your website.

The Report and Word Count

Ensure that your report efficiently describes the work that has been undertaken to address this assessment.

The report for this assessment should be 1000 words with a margin of +/- 10%, excluding the Reference and Appendix sections.

Refer to the ModuleAssessmentBrief document for a general idea of the report layout and feel free to ask questions in the Module Q&A within the 'Discussions' tab on Canvas, if you are unsure of anything.

Grades

Please consult the rubric for this practical assessment on canvas, a link to the rubric will appear alongside the download option for this brief. This assessment contributes 25% of your final grade for the portfolio for this module.

Other Details

For all other details including:

- Report Format
- Mitigating Circumstances
- Late Submission
- Feedback
- Plagiarism
- Use of AI in this Module

Submission Instructions

Please submit the following

- A report covering the work undertaken for this assessment, in PDF format.
- A URL to your website on the server (included in your report).
- Your website's source code.

Your report containing your URL should be submitted alongside a singular compressed file (.zip etc.) that contains your website's source code and any other artifacts. The zip file should be named:
(YourName_YourStudentNumber_Practical1.zip).