

Web Front End Lab 1 (HTML content with CSS)

In this lab you will make a single web page about yourself (or a fictional person) and apply some simple styles. The page will include some simple content such as headings, paragraphs, a list, images etc. You should use semantic tags to logically organize the parts of your web page.

Part A: Create a web page and write some content

Choose where you want your web work to be, and open a code editor (such as Visual Studio code) at that location

1. Make a folder (e.g. 'lab1') then inside this folder create files called 'lab1.html' and 'lab1.css'
2. In index.html, generate basic web page content (e.g. type ! then press tab)
3. Open this web page in a browser using any of these techniques:
 - a. In a browser use file->open, then every time you make changes to the web page, refresh the browser
 - b. Or right-click on index.html and open with live-server (the browser will auto refresh on changes)
 - c. Or in a terminal (in your lab1 folder) type 'npx http-server'
4. Change the <title> of the web page so it reads 'Lab 1'
5. Inside the <body> add a <header> that contains an (remember to include alt and title attributes)

You can use an online image placeholder service such as <https://picsum.photos>

e.g.

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6. Below the <header> add a <nav> containing two hyperlinks, one pointing to <https://bbc.com/weather> and the other to the course website (<https://bit.ly/icg-nam>) Remember to put some nice text in the links
7. Below the <nav> add a <section> containing an <h2> and a <p> Write your name (or the fictional name) in the <h2> and a brief introduction in the <p>
8. After the paragraph (still inside the <section>) write <h3>Top Three Hobbies</h3>
9. After the <h3> add an unordered list containing three list items
10. Populate the list items with your top three hobbies and interest
11. After the list put an <hr> then write three short paragraphs concluding this bio page.

Part B: Attach a style sheet and apply some css

1. Inside the <head> of your html page add a <link> to your css file
2. In your css file set the css for the <body> tag to use a particular font-family
3. Write a css class called 'strapline' that sets the 'color' to something other than black
4. Apply your new 'strapline' class to a couple of tags on your page
5. Back in the style sheet, write an ID style called 'logo' that sets {width:100%;}
6. Set the ID of the inside the <header> to match your new ID style
7. Observe how this new ID style affects the image as you change the width of your browser

Part C: Freestyle (if you finished A and B)

1. Add stuff to your page. Add anything you like, such as
 - a. A table showing dates alongside your education career
 - b. Some favourite links with brief text about the linked content
 - c. A bunch of arbitrary placeholder images
2. Generate a completely new page called 'more.html' with nonsense content but the same stylesheet
 - a. You can get nonsense content from <https://www.lipsum.com/>
 - b. Organise your nonsense into paragraphs, headings, lists etc
 - c. Write additional styles to experiment with CSS