

Assessment One Final Exercise

Task 1 Image Optimisation Exercise

Image Optimisation Complete `ex3.html` – as per the exercise instructions.

Save the `image-optimisation` folder with your other HTML and CSS exercise folders.

Task 2 File and folder structure

Description Supplied file and folder structure- `final-exercise.zip`

Root folder `final-exercise`

Homepage `index.html`

Stylesheet `style.css`

Media folder `img`

Sub-pages folder `pages`

Sub-page `cv.html`

Disclaimer `disclaimer.txt`

Note: Do not move file locations to make links work.

Task 3 The homepage – `index.html`

Description Create a single column page about yourself in a professional capacity. Think of it as a cover page for your CV (the second page).

HTML Add the standard HTML template.

In the head

Language Change to `en-GB`.

Title Provide a `title` relevant to the content of the page/site.

Meta Description Provide a relevant `meta description` based on the content of the page/site.

Remember the title and homepage metadata should explain who you are, where you are geographically located and your job role. Make use of your company's name to add credibility. The homepage metadata refers to the whole site. The metadata for the CV relates to that page's content – you and your CV.

Link Link to `style.css`.

In the body

Semantic structure Create empty `header`, `nav`, `main` and `footer` elements (do not nest them).

In nav

Navigation list Add un-ordered list.

List items Add two list items with links to home and CV.

In the header

Heading	Level 1 heading – Your name.
---------	------------------------------

In main

Sub-heading	Level 2 headings as required (at least one).
-------------	--

Paragraphs	Up to 5 paragraphs added with original text.
------------	--

Original Image	Insert an original landscape image within your text as appropriate to your design. Only use an original image taken on your phone or camera. Either a head and shoulders portrait of yourself or an image related to your work. Place the image in the main element before your text.
----------------	--

Optimise for the web	Reduce the image dimensions to those shown below as the height and width attributes, crop and compress as required to attain the file size as shown below, whilst maintaining image quality. Save as a jpeg file.
----------------------	---

Location	Place the original and optimised images in the <code>img</code> folder.
----------	---

Filename	Name the optimised image <code>optimised.jpg</code>
----------	---

Alt text	Add appropriate alt text.
----------	---------------------------

Width	600 pixels
-------	------------

Height	450 pixels
--------	------------

File size	No more than 100kb
-----------	--------------------

Figure	Wrap the <code>img</code> in the <code>figure</code> element and add a <code>figcaption</code> .
--------	--

Figcaption	Add a short caption – don't repeat the alt text.
------------	--

Hyperlink	Add a link in your text to your current employer's website (link text).
-----------	---

Additional elements	Use the <code></code> and <code></code> elements somewhere on this page on appropriate parts of your text.
---------------------	--

In the footer

Disclaimer	Add the Disclaimer paragraph in <code>disclaimer.txt</code>
------------	---

Task 4	The CV – <code>cv.html</code>
--------	-------------------------------

Description	Create another single column page to contain your CV. Take the opportunity to format your CV using a variety of HTML elements (described below). We strongly recommend copying your <code>index.html</code> file and using that as a basis – remember to edit your file paths.
-------------	--

HTML	Add the standard HTML template.
------	---------------------------------

In the head

Language	Change to <code>en-GB</code> .
----------	--------------------------------

Title	Provide a <code>title</code> relevant to the content of this particular page.
-------	---

Meta Description	Provide a relevant meta description based on the content of this particular page.
------------------	---

Link	Link to <code>style.css</code> .
------	----------------------------------

In the body

Semantic structure	Create empty <code>header</code> , <code>nav</code> , <code>main</code> and <code>footer</code> elements.
--------------------	---

In nav

Navigation list	Add un-ordered list.
List items	Add two list items with links to home and CV.

In the header

Heading	Level 1 heading – Curriculum Vitae.
---------	-------------------------------------

In main

Sub-heading	Level 2 headings as required (including your name) maybe Level 3 if needed.
Paragraphs	As required.
Un-ordered list	Use an un-ordered list of your 4 core skills.
HTML table	Add your qualifications in a simple html table - (2 cols) date, qualification title - (3 to 5 rows plus table heading).
Ordered list	Create an ordered list – a wish list of 3 future job roles

Task 5 The stylesheet – style.css

Description

Apply styles as directed to create a modern, professional looking page. Ensure the colour contrast of all text passes the WebAIM test – a contrast ratio of 7:1 or above

html	Set base font size and zero the margin and padding (some browsers use one, some the other).
------	---

Set base body styles including:

Font- family	Add a single Google Font by using the <link> embed option to both your HTML pages
Background-color	Off-white of your choice (not #fff or white)
Text colour	Dark colour of your choice (not #000 or black)
Font-size	rem s
Line-height	As fits your typography
Margin	Margin auto trick to centre page
Max-width	As required to achieve the required line length
Line length	Approx 65 characters

Other base styles:

Headings	Make all heading levels ALL CAPS/uppercase using the CSS (rather than adjusting your text)
Link states	Add a link colour for unvisited links using <code>a:link</code>
Link states	Add a link colour for visited links using <code>a:visited</code>
Link states	Add a link colour for hovered-over links using <code>a:hover</code>
Link states	Add a link colour for clicked-on links using <code>a:active</code>
	All link colours should have good colour contrast with your page background.
Figcaption	Apply <code>font-size small</code>

Classes (required):

Navigation	Style the navigation by adding the 'main-navigation' class to the ul inside the nav tag for both your html pages. Then write two rules using this class in your CSS file that removes the bullets, margin and padding from the ul, and sets the tags to display:inline-block; and adds padding and a border to each list item.
Figure	Apply this CSS code to all figure HTML – set left margin to zero.
Tables	Apply this CSS code to your table: table { border-collapse:collapse;} th {text-align:left; padding:0.5rem;} td {border-top:1px solid #eee; padding: 0.5rem;}. You can modify the colour of the border to fit your colour scheme.

Task 6 Quality Assurance - testing

Description

In the 'real world' we test websites and applications before they are released for a variety of fairly obvious reasons. With coursework it can be the difference in mark grades – a chance to spot errors before submission.

User testing

Try the 5-second test – let a friend look at your home page for 5 seconds (they don't need to click on it). Take it away and ask questions like "What is the main element of the page that stuck with you?" or "Who do you think the intended audience is?" They might have focussed on the design. What was their comments? Is there anything you need to fix?

5-Second Usability Test - <https://tinyurl.com/y66w7akn>.

Test

Test both pages in a variety of browsers

Validate

Validate HTML and CSS

Colour contrast

Check all elements for good colour contrast that passes the WebAIM test.