



Assignment 2 (15%)

Important Notes:

- This is an individual assignment.
- I will be checking for borrowed or copied assignments. All work is to be done from scratch, you may not use any templates or other assistance.
- This assessment is out of 65 marks total.

Background:

The purpose of this assignment is to provide you hands-on experience with HTML and CSS.

Tasks:

Build upon your assignment 1 website of the famous/historical person. You will be creating a multi-page website. You should have the following pages:

- index
 - i. should act as a biography page and include one image.
 - ii. a quote
 - iii. a table
- gallery
 - i. should include 3*3 grid of images.
- contact
 - i. a contact us form
- media
 - i. a video

Each page should have common elements and a consistent design.

- COMMON elements must include. (The main element will change on every page)
 - i. Header
 - 1. H1 heading.
 - 2. Gradient background
 - ii. Nav
 - 1. 2 tier menus
 - iii. Aside
 - 1. List of links
 - 2. Image as a background
 - iv. Footer
 - 1. Copyright
 - 2. Gradient background

Hint: Upgrade your index.html page first and create copies of it to act as a template for the other pages.

1. Common elements & Consistent design (5 marks)

a. Consistent colors used throughout the site.

- b. Common elements present on each page**
- 2. File structure: (5 marks)**
 - a. images folder
 - i. all images used contained in the folder.
 - b. css folder
 - i. main.css
 - ii. normalize.css
 - c. 4 html pages named in lower case.
- 3. Navigation (5 marks)**
 - a. Create a consistent 2 level navigation to link to all pages.
 - b. Ensure the CSS hover is used.
 - c. <https://www.youtube.com/watch?v=9bGuiBw4sTE>
- 4. Lay-out (5 marks) (hit remove, floats and any absolute widths)**
 - a. Create a consistent layout using CSS display flex or CSS grids for all pages.
 - b. The layout elements should be semantic elements and avoid the use of divs.
 - c. <https://www.youtube.com/watch?v=Dz9BzY21Zks>
 - d. <https://www.youtube.com/watch?v=qk6MeIXsUeU>
 - e. <https://www.youtube.com/watch?v=FEnRpy9Xfes>
 - f. <https://www.youtube.com/watch?v=Dz9BzY21Zks>
 - g. <https://www.youtube.com/watch?v=t8GRS-Z3YVI>
 - h. https://www.youtube.com/watch?v=RssSS_xhv2E
- 5. Background (5 marks)**
 - a. Include a gradient background for the header and footer element.
 - b. Include an image as a background for the aside element.
 - c. <https://www.youtube.com/watch?v=zdubzXvqUyw>
- 6. Index – biography page (5 marks)**
 - a. Include a table element.
 - i. <https://youtu.be/8Tx0rv2nZuAz>
 - b. Include a quote.
 - c. Include presentation tags.
 - d. Use CSS shape the text around the image.
 - e. https://www.google.com/search?q=shape+editor+css&sca_esv=570352775&rlz=1C1UEAD_enCA990CA990&tbm=vid&sxsrf=AM9HkKn-WBxIE-LbwQssAwXVrP-sYqwP6A:1696355219164&source=lnms&sa=X&ved=2ahUKEwiI64DSt9qBAxXlhYkEHaeCIGQ_AUoAXoECAQQAw&biw=1920&bih=923&dpr=1#fpstate=ive&vld=cid:b9b5fb91,vid:u9bDe3Bw0sA,st:0
- 7. Gallery Page: (5 marks)**
 - a. Add 9 images to your project and link them to the images page using relative paths.
 - b. Use CSS grid to create a 3*3 grid of images of the historical person.
 - c. Apply clip art to the images.
 - d. https://www.youtube.com/watch?time_continue=6&v=3kncTtpc4Q4&embeds_referring_euri=https%3A%2F%2Fhubblecontent.osi.office.net%2F&source_ve_path=MjM4NTE&feature=emb_title

- e. <https://youtu.be/u9bDe3Bw0sA>

8. Multi-media: Video (5 marks)

- a. https://www.google.com/search?q=html+embed+video&sca_esv=570352775&rlz=1C1UEAD_enCA990CA990&tbm=vid&sxsrf=AM9HkKm4xworRAPT6deQEmm8GWKXPaUT3Q:1696356568097&source=lnms&sa=X&ved=2ahUKEwiylZ3VvNqBAxX6nokEHROcBfwQ_AUoAXoECAEQAw&biw=1920&bih=923&dpr=1#fpstate=ive&vld=cid:d1fc38cd,vid:ly36kn0ug4k,st:0

9. Contact Form (5 marks)

- a. Minimum of 5 input elements
- b. Include an HTML5 element such as date or color.
- c. Include a select element.
- d. Include validation.
- e. Use CSS to style the form.

10. Responsive Design (5 marks)

- a. Include two media queries for two different screen sizes: This should affect fonts, lay-outs. <https://youtu.be/yU7jJ3NbPdA>
- b. Change the image used for the background of the aside to a different version for each media query. <https://www.youtube.com/watch?v=v02MRRWTUr8>
- c. Ensure all padding and font-sizes have rem units and there is an html css ruleset that sets the root html element.

11. Search Engine Optimization (5 marks)

- a. Good use of title, meta tags
- b. Images have alternative text
- c. Title element
- d. Good use of h tags

12. Accessibility (5 marks)

- a. Ensure all pages pass Firefox contrast accessibility testing
- b. Provide a screenshot of the test.
- c. <https://www.youtube.com/watch?v=eBefjaWud-M>

13. GitHub (5 marks)

Deliverables:

- Zip folder of the code
- Link to the pages on GitHub
- Screenshot of passed accessibility test

