



Assignment 1 (10%)

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 55 marks total.

Background:

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

Tasks:

Create a web page on a famous/historical person of your choice. Use well-formed HTML5 structure including use of semantic elements. The design/colour scheme of the web page is your choice. The following are the minimum requirements:

1. Html (20 marks)

- **Part 1 (5 marks)**
 - In the <Head> element Link the CSS files in the correct order. **(1 mark)**
 - Add html comment with your name and student number. **(1 mark)**
 - Nest the following semantic elements: <header>, <main>, <aside>, <footer>. **(1 mark)**
 - Nest a <h1> in the <header> of the famous person's name **(1 mark)**
 - Nest a <p> element in footer containing a Copyright symbol, your name, and the year. **(1mark)**
- **Part 2 (5 marks)**
 - Nest 3 <section> elements in the <main> element **(1 mark)**
 - Add <h2> elements to each section with the following Contents: Biography, Images, Quotes **(1 mark)**
 - Nest a <p> element in the first section that contains a biography paragraph. **(1 mark)**
 - Nest 2 presentation elements to the <p> element such as / or /<i> **(2 marks)**
- **Part 3 (5 marks)**
 - Nest two elements in the section <section> of the person you chose.
 - 1 image should use an **absolute** reference. **(1 mark)**
 - 1 image should use a **relative** reference. **(1 mark)**
 - Add both images to a class called "mainimg" **(1 mark)**
 - Nest each image in a <figure> element. **(1 mark)**
 - Use the <figcaption> element to add a caption. **(1 mark)**
- **Part 4 (5 marks)**
 - Add a short quotation using <q> under the Quotes heading. Ensure you use the cite attribute. **(2 marks)**
 - Add the following to the aside.
 - <h2> heading – "Additional Information" **(1 mark)**
 - Underordered list of links to pages about the person, the pages should open in new tabs **(2 marks)**

2. CSS: (25 marks)

- **Part 1 (5 marks)**
 - CSS comment with your name and student number (**1 mark**)
 - Using the element selector for the Body element create rules for the following properties: (**4 marks**)
 - Width and max width
 - Align center using the margin property.
 - Font using the shorthand property.
 - Padding.
- **Part 2 (5 marks)**
 - Use a class selector to style the following properties for the <header> & <footer> elements. (**3 marks**)
 - Add border using *border shorthand*
 - Add rounded corners to the border.
 - Padding
 - Margins.
 - Using element selectors for <h1> and <h2> to change the font colour and set the font-variant as small-caps (**1 mark**)
 - Use descendant combinator selector to reduce the font size and change the colour of the <p> element nested in the <footer>. (**1 mark**)
- **Part 3 (5 marks)**
 - Use the float and clear properties to align the <main> and <aside> elements to sit beside each other, where the <main> uses 2/3 of the page and the <aside> uses 1/3.
 - Use element selectors to set the width of the <aside> and <main> elements.
 - Using element selectors set the padding and margins for the <main> and <aside>.
- **Part 4 (5 marks)**
 - Use a class selector to style both images with a border using *border shorthand*.
 - Use an element selector to apply CSS rules for the <figcaption> element. to have a bold font-style and the small-caps font variant
 - Use an element selector to apply CSS rules for the <q> element to have a font-family of cursive, a font style of italic and increase the font size.
- **Part 5 (5 marks)**
 - Use a descendant combinator to style the elements listed in the to remove the bullet points, and increase the line-height.
 - Use the child combinator selector to style the <a> elements listed in the to remove the link underline and change the font colour.
 - Use a pseudo-element selector to change the colour of the <a> elements in the <aside> when hovering.

3. Search Engine Optimization (5 marks)

- Add 2 <meta> tags to improve optimization.
- Use an appropriate <title> element.
- Ensure images have alternative text.
- Appropriate use of <h> tags.

4. GitHub (5 marks) (either use Gitbash or GitHub Desktop)

- Create a public repository on GitHub
- Navigate to the Assignment 1 file and open Git Bash from the file if you use mac open your terminal and use the command the 'cd' and the file path to your working

- directory.
- Enter the command: `git init`
 - Enter the command: `git add .`
 - Enter the command: `git commit m-‘assignment 1 commit’`
 - Link the GitHub repository to your Git repository.
 - i. Enter the following: `git remote add origin GitHub Repository URL`
 - Enter the command: `git push -u origin master.`

Mother Teresa

Biography

Mother Teresa, was an Albanian-Indian Catholic nun and the founder of the Missionaries of Charity. Born in Skopje, then part of the Ottoman Empire, at the age of 18 she moved to Ireland and later to India, where she lived most of her life.

Images



Mother Teresa Smile



Mother Teresa Quote

Quote

“Not all of us can do great things. But we can do small things with great love.”

Additional Information

[British Library](#)
[Wikipedia](#)
[Britannica](#)