# Assignment 1

## Introduction

The purpose of this assignment is to provide you with hands-on experience with **HTML5, Accessibility Content Management, SEO and Publishing.** 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 and worth 10% of your final grade.** **Assignment 2, 3, & 4 depends on the completion of assignment 1.**

# Task:

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

* **HTML5** 
  + Write your name and student number as an HTML comment at the top of the index.html page (1mark)
  + Nest in the Body
    - The semantic elements: header, main, aside, footer(1mark)
  + **Nest in the Header** 
    - heading (h1) (1mark)
  + **Nest in the Footer** 
    - paragraph with copyright information (hint: use a special character). (1mark)
  + **Nest in the Main**
    - 4 section elements to logically group/separate element. (1mark)
    - Each section should have Headings (h2, etc.) (1mark)
    - Give each section element a unique id attribute (1mark)
  + **Nest in one per section**
    - A Biography paragraph using a blockquote element. (1 mark)
      * Include a cite attribute (1 mark)
      * Use of a presentation element. (1 mark)
    - A figure element (1 mark)
      * Nest a Relative path image (1 mark)
      * Nest a figcaption (1 mark)
    - A famous quote using q element. (1 mark)
      * Include a cite attribute and a cite element. (2 marks)
    - A video (2 marks)
  + **Nest in the Aside**
    - 2 section elements to logically group/separate element. (1mark)
    - Each section should have Headings (h2, etc.) (1 mark)
    - Give each section element a unique id attribute. (1 mark)
  + **Nest one per section**
    - * **An unordered list of 3 links to external sites** (4 marks)
        + Each link should open in a new tab. (1 mark)
        + Each link should have a title attribute. (1 mark)
      * **A contact forms.**
        + Includes 2 input elements. (2 marks)
        + Textarea (1 mark)
        + Dropdown (1 mark)
        + 1 HTML5 element (1 mark)
        + submit button (input) (1 mark)
        + Ensure each element has a label and is associated using the for attribute. (2 marks)
        + Add the form control the class ‘form-control’ to all form elements and the class ‘form-label’ to all the labels elements. (2 marks)
        + Add the following attributes to a minimum of one form element: required, placeholder, autofocus, selected. (2 marks)
* **Content Management** 
  + Separation of concerns – images, etc. (1mark)
  + Proper indentation and formatting of the HTML. (2 marks)
* **Search Engine Optimization** 
  + Minimum of 2 SEO meta tags (1 mark)
  + Title element - should accurately describe the page’s content. (1 mark)
  + Image should have sufficient alternative text. (1 mark)
  + Proper use of semantic elements (1 mark)
  + Proper use of headings (1 mark)
* **Accessibility** 
  + Image alternative text (1 mark)
  + Proper use of semantic elements (1 mark)
  + Proper use of headings (1 mark)
  + Run the Firefox Accessibility Keyboard test and capture a screenshot. (1 mark)
  + Run the Firefox Accessibility Label test and capture a screenshot. (1 mark)
* **Publishing** 
  + Create a Git Repository and take a screenshot of the Git Bash terminal. (1 mark)
  + Successfully use Git to push files to GitHub repository and publish your page to the web using GitHub **(4 marks)**

## Deliverables

* 1 Document (.txt,.doc,. dox, or .pdf) containing screen shots with labels. (Do not put in a Zip folder).
* Compressed zip folder containing all code files.
* Link to Website

A screenshot of a movie

Description automatically generated