COMP 2511 WINTER 2016

Assignment 1

HTML Markup – Top 5 Scientist

Due: February 1, 2016@11:59PM.

Outcomes

The intent of this assignment is to build towards a mastery of using HTML. Skills learned in this assignment will be built upon in assignment two and are subject to examination. Upon successful completion of this assignment the student will:

- Be able to understand the syntax of HTML markup.
- Be able to describe and apply semantic tags to create structural meaning.
- Be able to build consistent navigation structure over multiple pages.
- Be able to understand and use appropriate HTML attributes and tags.
- Be able to use absolute and relative links correctly.
- Be able to include at least one image in the webpage, addressing accessibility.

Submitting

Since your website will consist of multiple files (5 html pages and 5 images), start by putting everything into a folder named ***yourlogin_assign1*** (e.g., ***ppaul_assign1***). When you are confident it is ready, drag the entire folder to the Submit Drive (I:).

Note: Since absolute links will only work on your computer, it is recommended that you check your submitted site to make sure all the links work as expected before signing off on your submission. If submitting from an off-campus computer, use https://secure.mtroyal.ca to access your files.

You will lose 10 marks if you do not follow these submission instructions.

Late submissions are not acceptable.

DO NOT MIDIFY SUBMISSION or RESUBMIT after the due date and time. It will be considered as late submission.

Grading

Your assignment will be graded based on the overall layout of the pages, consistency between pages, as well as completion of the requirements on a per page basis.

Content Requirements

Each page on your site is intended to be about a famous Scientists of the world. Examples include: Albert Einstein, Stephen Hawking, Isaac Newton, Thomas Edison, Nikola Tesla etc.

Each page must capture the following:

- A brief background of the scientist (born, life span, education).
- The scientist's contribution to world, some books/publications.
- The impact of the contributions to the world/humankind. Why is this contribution important?
- References (where did you get your information from?)

The content for each page should be correct and does not need to be very long.

Functional Requirements

You must submit valid and semantically appropriate HTML5.

You must create **five** web pages that will define your "site". The pages must be named scientist1.html, scientist2.html, scientist3.html, scientist4.html, and scientist5.html.

Each of your pages must be consistent with one another. There should be:

- A consistent layout look and feel between pages.
- A vertical navigation menu with links between all five pages using an unordered list.
- A different scientist highlighted on each page.

Each page **must** include:

- The vertical menu that allows navigation between all the pages of your site.
- At least one HTML comment per page.
- One unique photo (of your choosing) per page enclosed in a <figure>, with a <figcaption> linking to where it was found.
  Note: the clickable link to the source of the image should contain nothing more than the text source**.**
- You must define "alt" and "title" attributes for all pictures.
- Valid HTML5 markup. Your site should validate without errors (warnings are ok).
- Ensure a unique and descriptive <title> tag for each page using title best practices described in lecture.
- Semantic markup:
  - Use the <nav> tag to define a uniform "menu" on each page
  - Use the <article>, <header> and <footer> tags at a minimum, with other tags to be used as appropriate.
- Submit your own raw HTML code – evidence of code generation will result in a 0.
- No styles, CSS, JavaScript, or other advanced components are permitted for the creation of this site.

Marking Guide

Area	Max	Grade
Layout of webpages / design • adheres to usability guidelines • consistent between pages	10	
Navigation • correct location • consistent between pages • links function correctly with relative links	20	
Semantic markup • consistent between pages • appropriate choices of semantic tags • includes a minimum of <header>, <nav>, <footer>, <article>	20	
Title tags are • correct, unique and valid HTML5	10	
Images on page are • unique, cited, and enclosed in appropriate caption tags	20	
All webpages validate without errors for HTML5 • https://validator.w3.org	10	
Content on the pages is • appropriate to the task (summaries of lectures/labs) • in line with assignment expectations, and • unique to each student.	10	
TOTAL	100	