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CSC 170 Project 1: Classic HTML Document

Due: June 4, 2015

Remembering that the original use of the web was to post academic research papers online, we will start a series of projects by replicating the type of documents that were created at that time. In later projects: we will format our own document with CSS, and after that, we will stitch together multiple documents into multipage websites, complete with their own architecture, look & feel, and navigation.

This first step, Project 1, you will use NO formatting – you will do nothing to your HTML document to try and make it look nice. The goal is to simply gather content, and mark it up semantically correct using HTML5 tags, and let the formatting be done automatically by the browser's built-in styles.

Requirements

In this assignment, you will create an HTML document (a single page website) and FTP it to your account on the class web server. The content of the document will be a report.[1] The report must be about an important person who has made or is making important contributions to the Internet or Web.[2]

Step 1 is to create your report in any word processing format (e.g. MS Word). (Note: you will *not* need to turn this part in.) Your document must contain a minimum of the following:

- At least 750 words
- An outline that contains lots of paragraphs (obviously) and also…
    - At least two images or diagrams and a captions that describe them
    - A data table
    - A list of things
- Proper citations in MLA or ALA format (citations to webpages are preferred but not required)

Step 2 is to replicate your research paper in HTML. Your HTML document must contain a minimum of the following types of elements:

- ❑ **A proper HTML structure** using the HTML5 specification. (Use an HTML5 template.)

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[1] The report can simply be a compilation of important facts and background information about the topic. You can lift complete sections of content from other sources as long as you properly cite its origins.

[2] Your topic must be pre-approved by the professor. No student can write about the same topic. Send an email to: **robert.kostin@rochester.edu** with the subject: **CSC 170: Project 1 Proposal** and wait for confirmation that it's okay to proceed.

- ❑ A **title** in the <title> tag (in the <head>) that says, "Project 1 - " followed by your topic, for example: `<title>Project 1 - Marc Andreessen</title>`

- ❑ A **Level 1 Heading** that states the name of your topic, for example:
  `<h1> Marc Andreessen</h1>`
  (Note: this will be the <u>only</u> Level 1 Heading you will use in this document.)

- ❑ **Multiple sections with their own titles** (i.e. an outline) – you will format the section titles as Level 2 Headings; if there are more sub-sections, you can use Level 3, Level 4, et cetera.

  - o Note: You **cannot** use a Level 3 unless there's a Level 2 somewhere before it; and you cannot use a Level 4 unless there's a Level 3 somewhere before it; et cetera.

- ❑ **Citations (references)** to other online documents – you will use anchor tags to link directly to your references
  - o You can use inline citations and/or citations at the end of the document. (A combination of both would be nice.)
  - o Note: you can also have old fashioned citations in MLA or ALA format in your document too; but there has to be at least two hyperlinks using an anchor tag.

- ❑ **Paragraphs** of text.

- ❑ **Semantic markup** – any combination of inline elements like: strong, emphasis or any other valid HTML tag, wherever it makes semantic sense.
  - o Note: you <u>cannot</u> use <b> or <i> or any other "deprecated" (i.e. outdated) tags or attributes.
  - o Note: you <u>cannot</u> use <br> or <hr> tags for formatting; you must let the HTML "format itself" based on the semantically correct use of HTML tags.

- ❑ **A table**, in which you present "tabular data" only. (You cannot use a table just to layout non-tabular content in a grid.)

  - o Note: We haven't covered how to code tables in lecture yet. You can look up how to code tables in the book or online.
  - o In the opening table tag, you can use the attribute "border" to turn on borders to make it easier to see the table in your plain HTML document. The validator might mark the "border" attribute with a warning or error, but in this case it's excusable.

- ❑ **Images** which should be appropriately sized for the document (less than about 300 pixels wide would be good)

  - o Each image must have a caption.
  - o The image (IMG element) and the caption (FIGCAPTION element) must appear within a FIGURE element.

- ❑ **A list**, either unordered or ordered. BTW, make sure you use the appropriate type of list for the content you're presenting. For instance, use an <u>order</u>ed list only if the items are sequential (1,2,3…).

    - o You *can* use a list for your citations at the end of the document, but that does *not* count toward the requirement of "a list of things." You need to have another list somewhere in the main content area of your document.

(BTW – you can have lots of examples of each of these element in your HTML document. But the minimum is at least one of each.)

Location

- ❑ Your one-page web site must be mounted on the class web server, within your **webroot** folder where you'll create a new folder that must be exactly this:
    project1
    …all lower case, spelled exactly like that.

- ❑ The name of the HTML document must be exactly this:
    index.html (*not* **start**.html this time)
    …all lower case, spelled exactly like that.

- ❑ The image(s) you use must be in a subdirectory of the **project1** folder, and it must be named **images**

- ❑ Validate the HTML file (**http://validator.w3.org/**)

Report your work

To receive credit for this lab:

- • In our Blackboard section, in Project 1, post a link to your webpage.