



## CMST 385: Web Site Design

### Assignment 4: Final Project

#### Summary:

This final assignment will be to create a great looking web site and to develop your topic section of your web site. Your final web site must be at least eight web pages. You need to use images, valid HTML5 and valid CSS code through out your web site. This final project is due and will be presented in the last class of the term. The home page and topic pages will be the most developed pages on your web site and are worth the most points.

#### Requirements:

You need to add “CSS polish” to the pages you already have and then develop a topic section to your web site. Since I have already graded Assignment 1, you should name your pages with the original file names as follows **index.html**, is your homepage in the root folder. Make a copy of your last updated Freedom page and rename this new page **freedom.html** in the root folder. Your Factoring page should be in your root folder and be named **factoring.html**. Your Bill of Rights page should be in your root folder and be named **rights.html**. Your Biography page should be in your root folder and be named **bio.html**. You should create internal or external CSS code for all pages above and eliminate all inline style.

At least three completely new pages must be created covering some topic of interest that you will develop in detail and research. These pages must be located in the **topic** sub-folder and links must be provided from home page to this topic section. The main topic page must be located in the topic folder and named **index.html**. This is always the default web page for all sub-folders. An external CSS file must be used for the topic section pages to create a common theme for the topic pages. Utilize at least two Web Fonts for your topic section pages which are available at <https://www.google.com/fonts/>

Create navigation buttons with a rollover affect using CSS hover for all inter-page links on your web site. You are required to create at least ten custom graphics that you created or modified yourself. These maybe used for images, image map, and rollover images. No image can be larger then 100 kbytes in size or points will be reduced.

You should design your web site to be viewed with a maximum resolution of 1000 pixels x 600 pixels so that it looks good on an XGA display.

You will be required to do a demonstration for the class of your web site, focusing on your chosen topic. Your presentation should be concise and not to exceed 15 minutes. All files need to be uploaded to your web site prior to the presentation. Please verify all links to other pages and images work before presenting your web site.

You should create an image map to represent a site map for your final web site. If you use PowerPoint save the map as a GIF file. Then create the code to make it into a clickable image map to access your web pages. The image map should be found on your home page and include your topic pages.

Create a well formatted Table on one of your topic pages. This should be used to organize facts concerning your topic and not for 2-D layout. CSS must be used for all page layout.

CSS formatted lists must be created for the **rights.html** and **bio.html** web pages.



We won't be covering form elements in this course, because you would need a server side program or JavaScript to make it do something useful. Forms will be the first topic covered in CMST386 if you wish to take that course the future.

### **Due Date and Grading:**

This assignment is valued at 30 points and is due **Class 2 Week 8**. Late assignments will not be accepted because I have to compute your grade soon after. You need to submit your URL link in LEO to verify it is ready for grading.

To prevent duplication of topics, please describe your topic in detail for Week 6 in the designated discussion topic. Offer suggestions where people might find interesting material concerning the chosen topics for at least two different students. This discussion activity is worth 5% of the course grade.

Validate your web pages using <https://validator.w3.org/> and fix all errors. There is also a validator to validate your CSS available at <https://jigsaw.w3.org/css-validator/>.

Scoring will be based on valid HTML5 and CSS code, high contrast colors, quality graphics, and overall appearance of web pages and navigation. Demonstrated creativity will be rewarded with higher scores.

Grading will be 80% objective and 20% subjective (neatness, clarity, relative effort, and demonstrated creativity). A project that correctly meets all specifications in a minimal way will receive a score of 80% of the points. Web sites will be evaluated based upon on your mastery of HTML5 and CSS code. Use of Javascript or Java applets will have no effect on your grade.