

Lab 1: Web Programming - CSci130

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Class Lab (8/31/2018)

You can use the specification of HTML5 <https://www.w3.org/TR/html5/> to get examples about the different tags.

Keep the different documents that you are creating during the lab sessions as they can be asked later as a part of the “attendance and participation” grade.

Goals: To create documents with HTML5 and to get familiarized with the HTML5 tags.

The goal of this lab session is to create documents with HTML5 and to focus on the semantic of the document by using appropriate tags for the different elements. Through the practice and the use of HTML5 tags you will remember how to use them. Everything can be implemented with a text editor such as notepad++.

Exercise 1.

Create a set of 5 web pages (one file per page) that are linked to each other, so you can reach each page from all the other pages with a list of items (ul and li tags). In addition, each page contains an article that has 5 sections, and you can reach the **top** and the **bottom** of the page from each section using links. Each page has a header and footer.

- Step 1: Represent the organization of the pages on paper with the different links.
- Step 2: Create each webpage by giving them appropriate names.
 - Start with the first page, as all the pages will be very similar
- Step 3: Add some content in the sections (such as large images) to verify that the links are working (if there is not enough content the scrollbars will not appear and you cannot verify that you can jump from one section to another section within the page).

Exercise 2.

Create a webpage that reproduces the pdf file that is given on blackboard.

(the pdf is in 2 pages but you have to create a single webpage)

Exercise 3.

Create a webpage that uses all the different elements that were seen during the class. You can select a topic of your choice (it must be politically correct and respect the values of the Fresno State). The content of the textual information can be random or it can be meaningful. For instance, you may create a webpage that present the different features of HTML5, using HTML5.

You must use at least:

- 10 different tags related to the sections.
- 5 different tags related to the grouping content.
- 20 different tags related to the text-level semantics.

(<https://www.w3.org/TR/html5/>)