Lab 2: Web Programming - CSci130

Department of Computer Science, College of Science and Mathematics, Fresno State

Please keep the different documents that you are creating during the lab.

Use these websites to help yourself with HTML tags and CSS attributes:

- https://www.w3schools.com/html/default.asp
- https://www.w3schools.com/css/default.asp

Goals: In this lab session, the goal is to create documents with HTML5 and add the appropriate CSS3 elements.

Exercise 1.

Using the appropriate HTML tags and CSS, recreate the following tables. (pay close attention to the styling details: font, size, italic or not, centered or not, …):

For each table, you must create three versions of the file with CSS using each of the following:

- **Inline** CSS descriptions
- **Internal** CSS descriptions
- **External** CSS descriptions

In one file, you will only use inline CSS, in another file, only internal CSS, and in the last, only external.

Experiment the table with the following attributes for the style: border-collapse: separate; or

border-collapse: collapse;

The goal is to be as close as possible to the presentation of the tables (positions, alignment, size, and colors…)
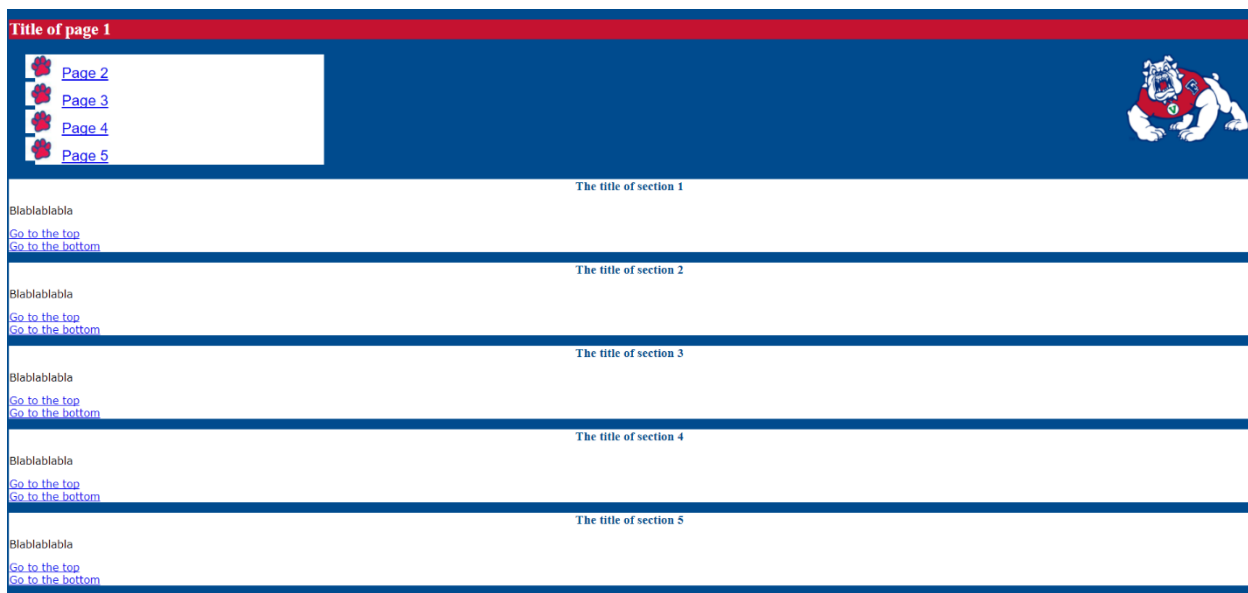
Exercise 2.

In this exercise, you will **reuse the code of from the previous week** where you had to create a set of 5 pages with multiple sections with different images. You will add some tags related the presentation to make the pages more "appealing" to the person reading the page.

You will have to do some research for finding the parameters that are needed for each element:

The following features of the page are given as follows (use an external CSS file):

- You will put the image of the Fresno State bulldog in the background of the page. It will always be in the top right.
- The Fresno State pawprint will replace the bullets of the items in the menu.
- The background of the title will be red with the same red as what is used at Fresno State.
- The background of the main page will be blue with the same blue as what is used at Fresno State.
- The background of the section is white, the title is blue and centered, the text is black with a Verdana font and a size of 18.

Example of a page with a Fresno State layout:

Keep your CSS files as references to study the midterms and the final.

You can discuss during the lab/Zoom session with your colleagues about how to do it, try to do it on your own and not just exchanges files by email.
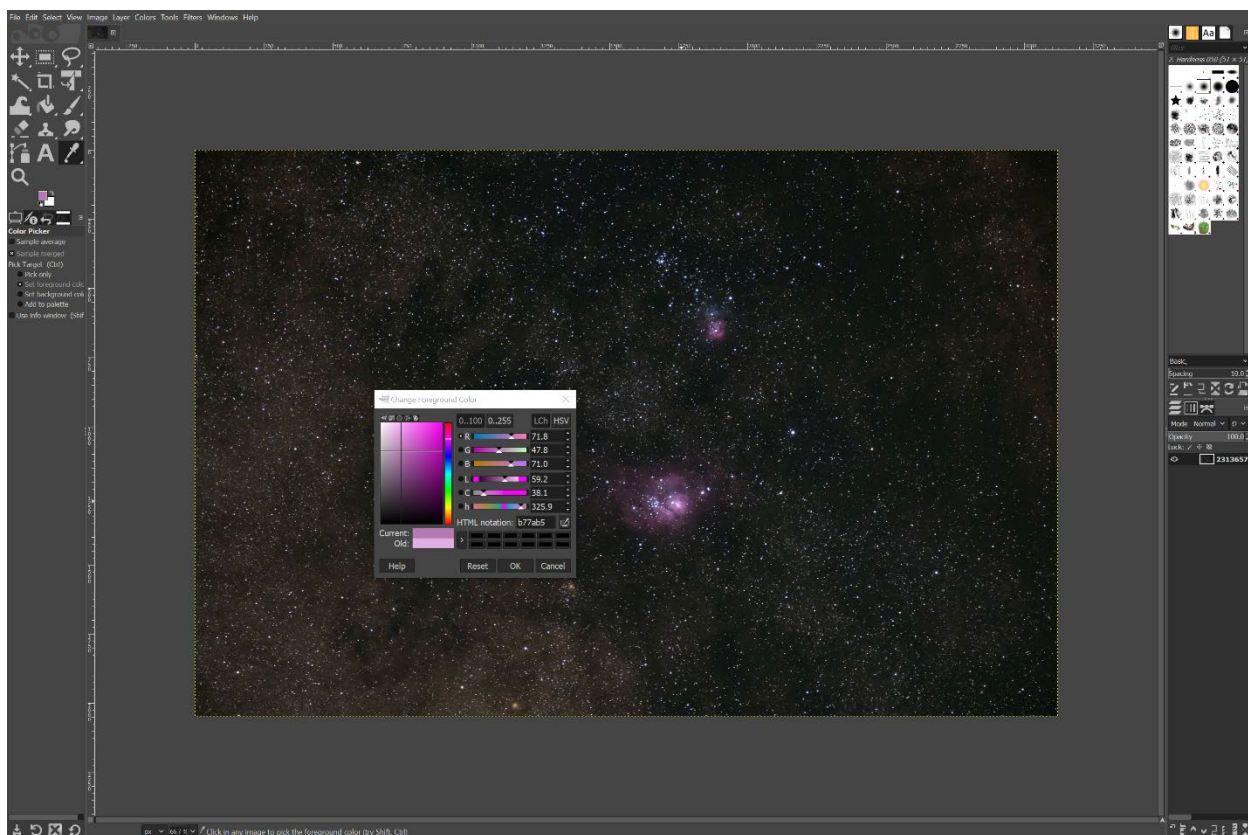
Exercise 3. Revisiting the table of basketball/football/…/ player (to be submitted on Canvas)

In this exercise, you have to add some internal CSS to the page containing the table of players from the previous week. Use the Fresno State colors for the color scheme of the table.

Use the information present in this site to define the color:

https://brand.fresnostate.edu/visual-identity/university-brand-guidelines/color.html

If you don't have an access to the color, you can use an image editor software such as Gimp (free) https://www.gimp.org/ and use the Color Picker tool to determine the values of a given pixel in an image.

Exercise 4. Your CV with CSS (to be submitted on Canvas)

Create **two** different external CSS for your webpage containing your CV/Resume. Use only **classes** for the presentation of a given HTML5 tag. Be imaginative for the presentation, yet stay consistent for the presentation of the different blocks that are present in your page.

With this exercise, you should demonstrate that with the same HTML code that you did in the previous weeks, we can obtain two different presentations, just by changing the CSS file.