

CISC103 HTML LAB (pt 1):

Due Mon, Mar 8 [50 pts]

(Note that this is a 2 part lab. Part 2 will be posted next week)

You may work with a partner for this homework.

Note: this is a 2-part lab covering the basics of html. This part covers both the creation of a valid template and the content of week 2 (html intro)

Note2: The first half of this course involves hand-coding a web site. Many of the requirements of this lab are also requirements of your web site. Thus, while it isn't required, it might save time and energy if you thought about a topic for your web site, and then, in working on this and future labs, you created elements whose content reflected the topic of your web site. For instance, if you decide to create a website on cupcakes, your list might be a list of cupcake ingredients, and your images might be those of decadent cupcakes. Again – not required – just thinking this might make your life a bit easier...

For this lab:

You will be turning in a folder containing 3 separate files: one html template (with the very basic html tags) that validates, and 1 separate html file, made from a copy of the template, and the images and image folder. All web pages should be uploaded to the server (as per the Uploading Lab), and the url (aka web address) of WebSite folder containing the files should be submitted on Canvas (making sure that permissions are set properly).

Part 1 (From the videos and tutorials from week 2: HTML Intro)

Create a folder called WebSite. Inside WebSite folder, create the following web pages:

A. [5 pts]HTML Template:

1. Create an html template. Make sure it validates using the w3c validator.

If you are unsure of how to do this, either view the video [here](#) or follow the tutorial [here](#)

B. HTML Web Page:

(Note, for the following, all videos are under week 2 of Videos and PPTS on my [web site](#))

I **STRONGLY** suggest you validate after you add each html item to your web page

[21 pts total]

1. From the template, create a second web page
2. [2 pts] Make sure your new web page has a title – you and your partner's last name and a title related to your web page's topic (you can always change this – I just want you to start thinking about it).
3. [2 pts] Give your web page a header – again, related to your web site's topic
4. [2 pts] Create a sub header with you and your partner's name.
5. [1 pts] Create a subheader, with *the name and email address of your TA*
6. [2 pts] Include a short paragraph with the theme you have chosen for your web site project.

7. [1 pts] Include a second paragraph, describing different topics you want to cover in your web site project
8. [4 pts] Include a list (numbered) of the 3 primary colors you will use for your web site's theme colors, in order of prominence (in other words, if you want a predominantly blue web page, with yellow as the accent, and pops of green, your order should be blue, yellow, green)
9. [3 pts] Include an unordered list of 3 items related to your chosen theme (maybe things you want to remember to cover, pictures you want to include, ideas you're playing with, whatever).
10. [4pts] Include one list inside of a list (on whatever content you want!)

(Note – none of this is set in stone. You may adjust colors and content as you work. But you should be thinking about your web site and starting to consider its design)

Tables [9 pts total]

NOTE: In order to see borders around the table and data cells, you will have to add the following CSS to your head section (in between the <head> tags). The code you're adding is in purple:

```
<!doctype html>
<html>
  <head>
    <meta charset="utf-8">
    <title>Your Website Topic</title>
    <style>
      td {
        border-style:solid;
        border-width: 2px;
        border-color:blue;
        padding: 3px;
      }
      table {
        border-style:solid;
        border-width: 2px;
        border-color:red;
        padding: 1px;
      }
    </style>
  </head>
```

1. [5 pts]Include a table with headers at the top of each column. Make sure your table has at least 2 rows and 3 columns. *(Note that table headers (the <th> tag) makes it easier for people who user screenreaders to navigate through web pages (e.g., people who are blind) and to know what your table is about).*
2. [4 pts] Create a second table, at least of size 2x2, and place it in a data cell of your first table (table inside of a table)

Images: [15 pts total]

Note about images: make sure you spell the name of the image exactly the same way it is spelled on your computer, including caps and small letters. Frog.JPG is not the same thing as frog.jpg. All letters

must be exactly the same. Also, if the picture name has spaces in it, get rid of them (so “my cat.jpg” becomes either mycat.jpg or my_cat.jpg).

3. [6 pts] Create an Images folder inside your WebSite folder. Inside that folder place an image of type .png, .jpg, or .gif. Include that image (located in an image folder) in your web page. Make sure the page validates and the image shows up.
4. Create a table with two rows and two columns.
 - a. [3 pts] In the first row, using colspan, make the data cell span both columns.
 - b. [3 pts] Place an image inside that data cell.
 - c. [2 pts] Now in the next row, first data cell, add a description of the picture. In the second data cell, add logistical information, e.g., the type of image it is and the dimensions of the image.
5. [1 pts] Add a horizontal rule to your web page.

VALIDATE YOUR WEB PAGES!!

To turn in:

- Upload the entire WebSite folder to the server,
- Turn in the URL of WebSite folder.

MAKE SURE THAT THE PERMISSIONS HAVE BEEN SET so the TA is able to see all the files, images, and folders. A quick way to check is to see if the partner or a friend who did not upload the WebSite folder is able to see all the files on the server from their computer. If you both can't see all the files, you will have to go through each file and each folder from WebSite down and change the permissions.

Uploading an entire folder like this is a convenient way to upload a bunch of files and folders without losing the structure of the folders you've created. We will do this frequently in this class.