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Course: CSC 106

CSC 106 Assignment: HTML Portfolio Website

Make sure you've completed all the modules specified on Brightspace before starting the assignment. If you cannot edit this worksheet make a copy in your own Google Drive, by clicking *File* > *Make a Copy*.

Part 1: Web Programming Knowledge

Question 1.1: In your own words, explain in basic terms how websites work and how they are programmed in HTML

When typing in url and pressing enter your computer starts talking to a server and in milliseconds the server talks back to the computer using HTTP- Hypertext transfer protocol. Mainly made up of get requests- get (name of document requesting) HTML- Hyper text markup language is used for how the page looks. (i copied and pasted this from my notes)

Question 1.2: Describe each of the following HTML tags:

- <h1>, <h2>, … <h6>: these tags are used for headers. 1 being the most important and all the way to 6 being the least important.
- <p>: This is to write any type of words. P for paragraph as I remember it in my head is to write whatever you need as regular text on your page.
-
: this means break. When you are writing in a paragraph if you want the lines to break you type in this
- : this defines texts tha you want to put an emphasis on.
- : this is used to bold words
- : this is how you make an ordered list showing that if the list was changed the value would be different
- : this is used for grouping a list together that does not have a numerical order
- : this tag is used to represent an item of the lists
- <img>: this is what you use to add an imagine link
- <a>: this is a very important anchor. It gived you links to web pages emails etc.

Question 1.3: What attributes should a <img> tag have?

The two attributes needed for an imagine tag is the url and the alternate text

Question 1.4: What attributes should an anchor (<a>) tag have? What does this tag do when clicked?

Href? This tag as said previously provides a hyperlink to urls or any information needed.

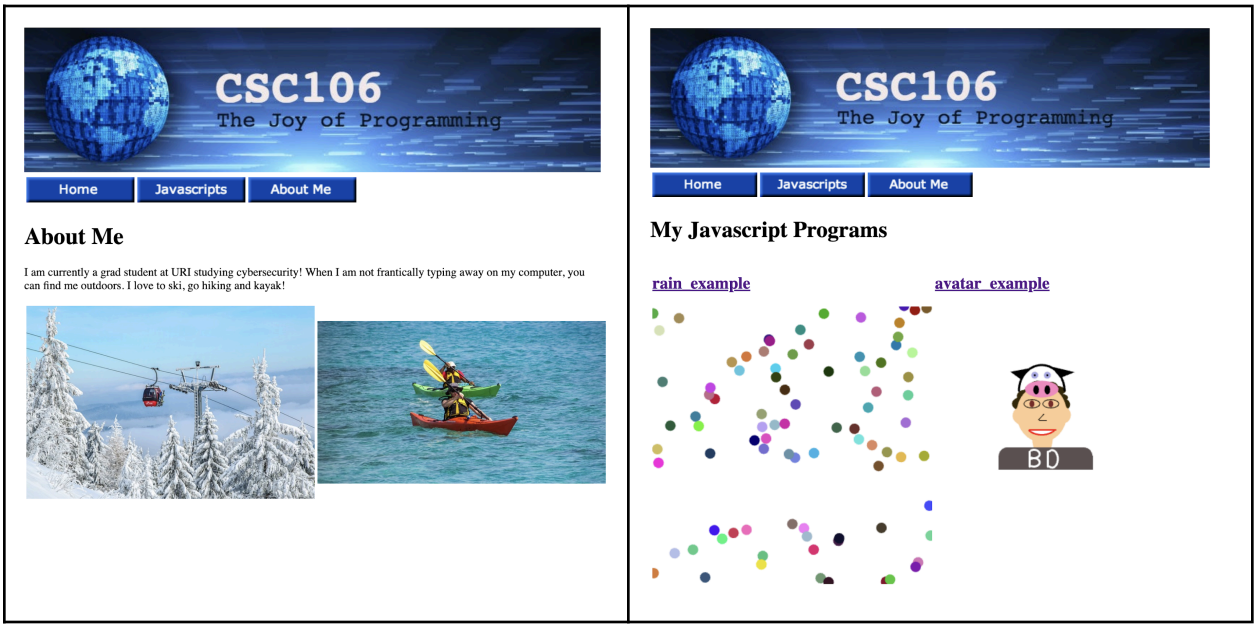
Question 1.5: Describe each of the following HTML tags:

- <table>: this defines an html table as said in the tag
- <tr>: this element defines a row (Table Row)
- <td>: this element defines a table cell

Part 2: Programming Portfolio Website URL

In this assignment, you will use HTML tags to create a website portfolio. Throughout the semester you will create various programs that will be added to your portfolio. At the end of the semester, you will have a complete website that will showcase all of your hard work!

Here are screenshots of an example portfolio website for this assignment (you won't have programs to put on the Javascripts page yet, you will add the programs that you write throughout the semester):



Step 1: Do Khan and W3CSchools Material In The Lesson For The Week

Complete the Lesson for this Week. This assignment assumes you have completed the lesson that takes you through the Khan Academy introduction to HTML and CSS programming and that you were logged into Khan Academy with your gmail address as instructed in the lesson. There are points in this assignment that are allocated for you having done the assigned Khan material by the assigned deadline.

Step 3: Create an HTML Website Template

Make the required updates to your website project initiated during class. Ensure that the code in your final submission aligns with the exercises completed in class. If you make any modifications to the code from the class exercise, you must add comments explaining the changes. These comments should include a comparison between your new code and the original class code, along with a clear explanation of how and why you made the changes.

This will be your website's Home page:

1. **Title.** Give the document a title (title appears in the browser tab, not on the web page).
2. **Banner.** Add the banner image you downloaded in Step 2 of this assignment. You can download the sample banner/buttons from here: https://drive.google.com/file/d/1s0IVdrp509jnDNaxQLPYaf8H0j5bdxlR/view
3. **Navigation Buttons.** Add a table below the banner that contains each of the button images you downloaded in Step 2 of this assignment. Each button should be in its own table cell. You will link these buttons to their respective web pages later in this assignment.
4. **Headline.** Add a headline (e.g. Welcome to my Page!) using a heading tag.
5. **Paragraph.** Write one or more paragraphs describing the website.
6. **Create Additional Web Pages.** The additional web pages must each contain a title, the banner, the navigation buttons, a headline, and a descriptive paragraph. *HINT: Copy the code from your index.html page and modify it to create the additional pages.

   Create an additional web page for each of the following:

   1. **Javascripts** This is where you will insert links to your Javascript programs. Leave this page blank except for the required items (title, banner, navigation, etc.). Save this page as `javascripts.html`.
   2. **About Me** This page will contain information about you. Add the following to this page:
      - A paragraph describing yourself.
      - At least two pictures of yourself and/or your hobbies/interests. These should be incorporated into the web page nicely (e.g. with an HTML table).
      - **Optional**: Add links to your social media pages.
   3. Save this page as `about.html`.

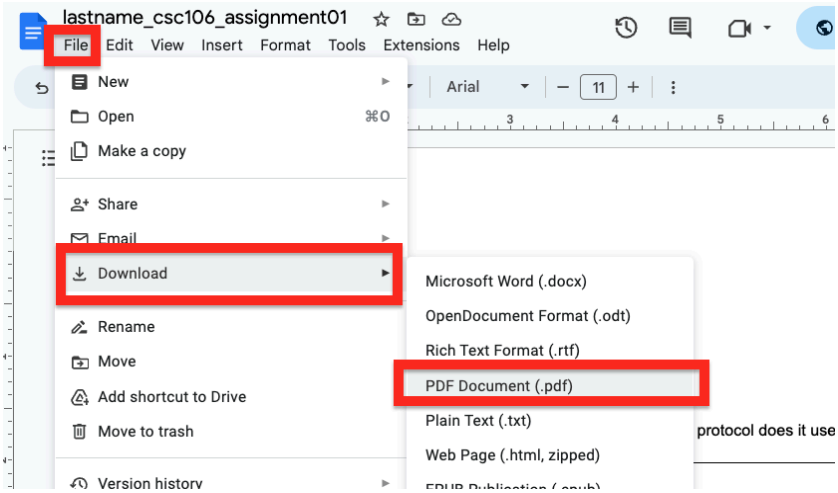
7. **Hyperlink the Navigation Buttons.** Now that you have created all three web pages that will make up your website, go back to make the Navigation Buttons (i.e. Home, Javascripts, and About Me) hyperlinks to their respective web pages. For example, the home.png button should be a hyperlink to the index.html page. The javascripts.png button should be a hyperlink to the javascripts.html page, and so on.
8. **Optional:** you can add styles like background colors to your web pages, background images, stylized links - anything. None of this is required, but it can be fun to search how to do things and try them on your web site.

Question 2.1: Paste the URL to your website (e.g., https://my-website.github.io) in the box below:

https://bellad414.github.io/index.html

Part 3: Submit your work on Brightspace

To submit, download this document as a PDF and turn in your assignment on Brightspace.



Academic Integrity

Assignments are to be the result of your individual efforts, unless you are told otherwise. It is easy to copy material on the computer; such copying constitutes plagiarism. We employ software to check for code plagiarism and the teaching staff actively evaluates student work to determine if it has occurred. See the University Manual for more information about the potential consequences of cheating. https://web.uri.edu/manual/chapter-8/chapter-8-2/."

For programming: While you may discuss general solutions and algorithms with classmates and/or AI. You are ***not*** allowed to:

- Share code with other students
- Look at any other student's code
- Use code provided to you by anyone else
- Use code that you find on the Internet.
- Use code generated for you (e.g. by AI). You may ask AI questions about algorithms and ways to approach programming this assignment, but you may ***not*** have AI generate code for you, paste code into AI, nor copy/paste code out of AI.
- Use programming constructs not taught in class without prior approval by the teaching staff.

If you use code that you did not write specifically for an assignment, you must have the permission of the teaching staff, and you must include in comments in the code where the code came from, and describe how the code works.

There are detailed policies on the use of AI in the CSC106 syllabus. Make sure that you adhere to them.

If you ever have a question about what is acceptable when working on a programming assignment, please contact the teaching staff.