Principles of Web Development

Mini Assignment 5
Due: October 19, 2023 at 11:55 PM on myCourses

Using **Interactive Design**, **Responsive Design** and **Bootstrap** construct a webpage that is pretty, interactive, and responsive for desktop, tablet and phone according to the following instructions.

This mini assignment must run on a browser locally.

Create only these files:
- `mini5.html`
- `mini5.css` External style sheet
- And include only those bootstrap files you used (not the bootstrap library ~ know your library)

Do not do the following:
- You are **not permitted to use any 3ʳᵈ party library** (unless permitted below, i.e., bootstrap)
- You are not permitted to use Java Applets
- You are not permitted to use Flash
- You are not permitted to use additional templates other than what was shown in class
- Do not simply copy and paste your code from a previous assignment.
- Do not use **Vue.js**.

You are permitted to use:
- You can use **CSS Flex** (if you want)
- You can use things from the lecture slides and previous assignments
- You can use Basic HTML (you can use <table>)
- You can use HTML5
- You can use HTML style attribute
- You can use CSS
- You can use JavaScript
- You can use the bootstrap framework (but **not** the template library)
- You can use material from the lectures.

https://www.w3schools.com/css/tryit.asp?filename=tryresponsive_col-s

This assignment asks you to do the following:
- Create a **personal website** that introduces you to the world. Either talk about your true self, or create a fictional character from a movie or show (if you do not want to talk about yourself).
- Design your website so that it looks pretty on mobile, tablet and desktop. **Responsive**.
- Design your website to have **interactive** elements (minimum **two** elements).
- Design your website to have **dynamically** content (minimum **two** dynamic elements that add/remove content).
- Decide on the three different page sizes you will support. I suggest you do some research to find out what page sizes are commonly used to make this more realistic. You **must** use the **12-column grid layout** method described in class (in any of the ways we introduced this: CSS Grid, Flex, or bootstrap template).

- Your "website" will have 2 "pages" but it will all be housed in a single HTML file.
- Common site requirements:
  - Always display the page header and footer. It is important that all the information from the header and footer is always shown. You are permitted to force a minimum page size, if you think that will be useful in your implementation. You are permitted to change font sizes responsively, if you think that will be useful in your implementation (but keep proportions).
  - The top menu is responsive. In PC and Tablet sizes the menu should move to fit the size of the screen. In phone size, the top menu must become a "hamburger". The hamburger can be on the left or right side of the page, but it must stay in the top navigation area. The hamburger displays a dropdown of menu selections.
  - Make sure the content area displays well in all three devices (phone, tablet, PC).
- Your 2 pages will be your landing page (also known as home page) and your hobbies page.
  - The Home page will be modeled after a CV. Imagine this to be like a Linked-In page that describes who you are, what skills you have, your education, and previous work experiences. This home page is a business page introducing you (or the character) to perspective employers.
  - The hobbies page is directed to the public and describes the other interests and activities you (or the character) engage in. This should use a fun look.

FOR THE GLORY

The following GLORY challenge if for those of you brave souls who like doing extra work for no grades. BUT! you can brag to your friends about your programming skills!!

Add additional pages to the website all within the single HTML document.

WHAT TO HAND IN

- Hand in `mini5.zip` containing all the files.
- `README.txt` stating which browser you used. Your solution only needs to work on a single browser, so please tell us which one you used.
- Your website must run on the TA laptop only needing the files contained in the ZIP file. The TA will not configure or install anything else. Assume they do not have bootstrap.

HOW IT WILL BE GRADED

This mini assignment is worth 20 points and part marks can be awarded.

Deduction points:
- -3 for not following instructions (includes directory structure).
- Late penalty points.
- Assignment will not be graded if the student used an unpermitted library or template.
- Assignment will not be graded if the student used more than one HTML file.
- -3 not pretty
- Note: external stylesheet

Awarding points:
- +5 single HTML file
- +5 for 12-column display
- +3 for responsive
- +3 for interactive
- +4 for dynamic content