WEBD 1000 Media Queries & FLEXBOX LAYOUTS

**Website Development**

# Part One:

1. Read the following tutorial on floating: [MDN: FlexBox](https://developer.mozilla.org/en-US/docs/Learn/CSS/CSS_layout/Flexbox)
2. Now, go to the [Test Your Skills - Flexbox](https://developer.mozilla.org/en-US/docs/Learn/CSS/CSS_layout/Flexbox_skills) site.
   1. Complete the 4 steps (i.e. **Flex Layout One**, **Flex Layout Two**, **Flex Layout Three** and **Flex Layout Four** interactive examples).
3. Take screenshots showing successful completion of all the tasks and upload them with the Part B files of this Exercise when complete

**Part Two:**

1. **Reminder**: For the final project, we will build an ePortfolio site in this course (see a snippet of the Final Project Instructions on the next page).
2. For today’s exercise, we will continue developing our ePortfolio website structure.
3. Rather than saving today’s files in a folder called “Exercise 13”, you may choose to save them in a folder called “ePortfolio” or “project” as we will work on these throughout term.
4. NOTE: YOU WILL PROBABLY NEED TO HAVE COMPLETED EXERCISE 9 AS WE WILL BE WORKING ON THE RESUME GRID FROM THAT EXERCISE. IF YOU DID NOT COMPLETE EXERCISE 9, IT IS BETTER TO GO BACK AND DO THAT FIRST.
5. In NotePad++ (or the editor of your choice) reopen your Portfolio **Website** that you started in Exercise 3 & then continued in Exercises 6 & 9. Make the following changes:
   1. In our “*portfolio\_layout.css*” stylesheet
      1. Add appropriate media queries for phone, tablet, & desktop as we did in the last exercise for Acme lawncare.
      2. Only display your resume as a grid with multiple columns at tablet/desktop screen sizes as we did for Acme.
      3. Display the resume as a single column at phone sizes as we did for Acme.
      4. Using Assignment 3 as a guide, make your main menu display as a nice horizontal menu for tablet and desktop.
      5. As demonstrated in the most recent video, try to get a nice **navicon-powered mobile menu** set up for phone screen sizes.
   2. Extra step if time permitting: Add a flexbox layout to at least one of your pages.
6. Once the above Step is completed, validate **the “*portfolio\_layout.css*” file** using the W3C **CSS** validation website. Take a screenshot(s) showing successful validation.
7. Post a ZIP file containing both the entire portfolio website, screenshot of successful validation from Step 6, as well as your screenshots from Part A to the Brightspace Dropbox for the thirteenth in-class exercise in order to obtain credit for completing it.
8. That’s it.

# Highly Recommended

**There is no need to submit the results of this part of the activity and it will not be graded. However, it will be excellent practice for the upcoming assignment. If you need help with any step, ask the instructor.**

1. Complete the Tutorial 5 – Session 2 practice steps from the Textbook. The practice tutorial steps are in light brown or beige boxes within the chapters of the textbook. In this case the tutorial steps begin on page **HTML396** (Section 5-10c) and conclude on page **HTML415** (Section 5-14) for this Session. **This tutorial continues on from work in the previous Session (5.1), so you may need to go back and complete that if you have not already done so.**
2. Once the above Step is completed, validate all of your *tf\_prek.html*, *tf\_flex.css*, and *tf\_navicon.css* files using the appropriate W3C validation website for each.

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