

# Assignment Name: HW4 CSS Flex Winter 2022

Due Date: See Canvas

## Goals:

You have been given image files, two starter CSS files, and an HTML file which has all of the required content to recreate the provided screenshot. **This week you will need to create your own style sheet from scratch.** (Name the stylesheet style.css) As always, use best practices, e.g. using a default style sheet, only lowercase letters, syntax and accessibility validation, etc.

## Objectives:

1. **Demonstrate ability to submit proper URL when file is not named index.html**
2. Demonstrate ability to use the flex display. Yes, there are other ways to do layout but this assignment is focused on you showing proficiency in **flexbox**.
3. Demonstrate ability to create a media query to change the layout on the screen by adjusting flex.
4. Demonstrate the ability to create a media query to create a printout that matches our example.
5. Demonstrate ability to code a working animation and then disable it with a media query.

## Resources:

You are provided with a repo that contains the necessary html file, a starter css file, and a screenshot of the final results. You will need to **create a new css file allied style.css** to transform the original page to one that resembles our example using the outlined CSS styles below. **DO NOT CHANGE THE FILE NAMES.** I want to see if you know how to submit the proper URL if there is no index.html file.

Starter Code:

<https://github.com/UMSIComplexWebDesign/hw4-2022>

## Demo of Assignment:

See Canvas for a sample video of the final product.

## Requirements:

01. All files and folders present, HTML file and CSS stylesheet in proper format, no styles in HTML. DO NOT ALTER THE HTML FILE IN ANY WAY.
02. Validate all of the code - do this throughout the entire process.

### The following specifications are for the default view:

1. Edit the body element to use the Poppins font (using Google fonts) with serif as a backup. It should also use the image "concrete\_seamless.png" as a background-image with a backup color of #f1f1f1.

Observe the image of the [page at 720px](#).

2. Edit the css for the header tag (all instances) to use flex to match our example.
3. Edit the css for the nav\_links class to use flex to match our example. Do not modify the list items or the links - modify the nav\_links class to use flex.
4. Style the links so that they have the same color even after they have been visited. **This is a "challenge" problem. You should not give or receive help when completing it.**
5. Identify the proper selector to style ONLY those header elements that are direct children of a card class. The required styling is the following:
  - a. background: #288088,
  - b. solid 2px border using #45ADAD,
  - c. 20px of padding on the top and the bottom,
  - d. 50px border-radius on the top left and right corners.
6. Check your work. The corners probably aren't curving quite as you expected. Use Inspect Element to fix this problem. You will need to utilize a second selector.
7. Edit the css for the **pricing** class to match our example. You should use flex and the cards should be centered both horizontally and vertically.  
*\*\*It might be easier to do step 8 before step 7\*\**
8. Edit the css for the **card** class to match our example. Achieve this by using a flex-property to specify an initial "size" of 450px. You need to think about this from a

“flex” perspective and realize that flex-direction will affect the size of the elements. **You can see that in the mobile view they all have the same width.**

9. Style the images in the gallery class. These elements will have a solid 10px border with a color of #50C7C7, 10px margin on all four sides and a width of 300px.
10. Edit the css for the gallery class to use flex to match our example. (You may want to look the screen shots from [1200px](#) and [1500px](#) as well - the changes are not from media queries, but from the use of flex.)
11. Animate the logo with keyframes. (Here is a [keyframes reference](#).) It should start at a width of 25px and grow to 475px. It should also start with an opacity of 0 and end with an opacity of 1. The animation should take 5 seconds and only happen when the page is loaded. \*\*You can complete this step later in the process - it won't affect the larger views.

The following specifications are for when the screen-size is greater than 900px

Observe the screenshot from from [1200px](#)

12. Edit the css for the **header** tag (all instances) and the **nav\_links** class to match our example using flex-properties. The logo should be as far to the left as possible and the links as far to the right as possible. Use flex properties, NOT position properties.
13. Edit the css for the **card** class to match our example. Achieve this by using a flex-property to specify a “size” of 250px. Notice that the elements do not have the same height, but do have the same width.
14. Modify the first header (the one not inside main) so that it remains visible at the top of the screen even as we scroll down. Make sure that it is always visible. You can see an example of this in the video and in the screenshot at [1200px when scrolled](#). **This is a challenge problem. You should not give or receive help when completing it.**

**The following specifications are for when the user prefers reduced motion.**

15. The logo class should appear but not be animated if prefers-reduced-motion is selected in the accessibility preferences.

## The following specifications are for when the page is printed.

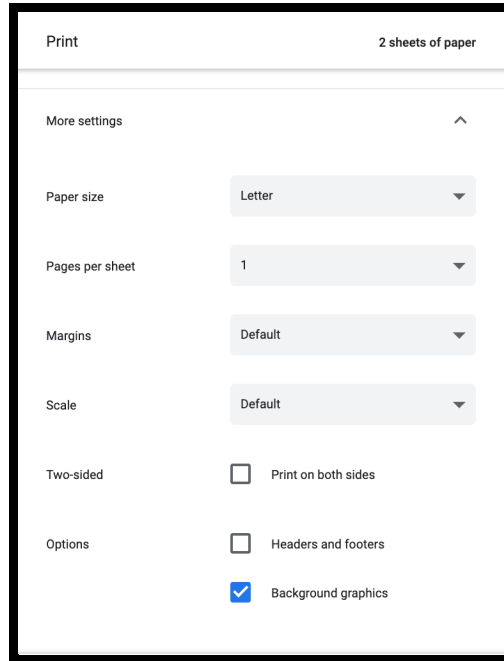
View the [print view](#) from Firefox on regular sized paper in Portrait mode.

Note, the print view on Chrome was all on one page. I think I have different margins set for Firefox print.

**16a – This is new, but I noticed that for many people the Poppins font was throwing off the print view, so add “font-family:Arial, Helvetica, sans-serif;” to your body element.**

16. The background image should be removed.
17. Edit the **nav/nav\_links** elements so that they are spaced according to the image below.
18. Edit the **pricing** class so that the elements align along the bottom. As long as it aligns along the bottom we don't care if the cards aren't the same height.
19. The **card** elements should have a solid border 2px of #45ADDD and use flex-basis of 325px.
20. No part of the gallery should be visible.
21. Without using list-style-type add the thumbs up entity as shown in the cards. **This is a challenge problem. You should not give or receive help when completing it.** \*\*For some people the thumbs up is not printing as yellow. That is fine.

You may have to update your print settings to include background graphics -



Print 2 sheets of paper

More settings ^

Paper size Letter

Pages per sheet 1

Margins Default

Scale Default

Two-sided ☐ Print on both sides

Options ☐ Headers and footers ☒ Background graphics

## Tips!

1. It is easy to get caught up in the row/column issues but we really want you to think more about wrap and no-wrap.
2. Look things up! The instructions are written to help you do searches effectively. Here is a CodePen example you may find helpful:  
<https://codepen.io/HugoGiraudel/pen/58ccdf09053da058e85c442cb93b0c6c>
3. Did you check your homework on multiple browsers?
4. Use Inspect Element to test out the different flex options.
5. I like to work on the print view in regular screen media query first so that I can use Inspect Element.
6. We use space-between for large screen view of the header and the nav\_links.

## Submission Requirements:

1. Host your site in a repo named homework4-2022.
2. Submit your link to Canvas. We want to see the deployed page, not the code so the URL should be **similar** to <your-user-name>.github.io/homework4-2022  
**DOUBLE CHECK YOUR LINK BEFORE YOU SUBMIT IT!!**

Any changes to code after the due date can result in a late penalty at any time. If you want to modify your code for personal use - make a new copy.