Assignment Name: CSS Flex Fall 2020

Due Date: See Canvas

Goals:

You have been given image files, a starter CSS file, and an HTML file which has all of the required content to recreate the provided screenshot. Use only CSS to achieve the changes - do not change the body of the html file, just the head. The only exception is to fix validation errors. 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.

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

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 edit the css file to transform the original page to one that resembles our example using the outlined CSS styles below. Remember, resource files often have a few bugs in them to provide an opportunity to debug and problem-solve. **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:

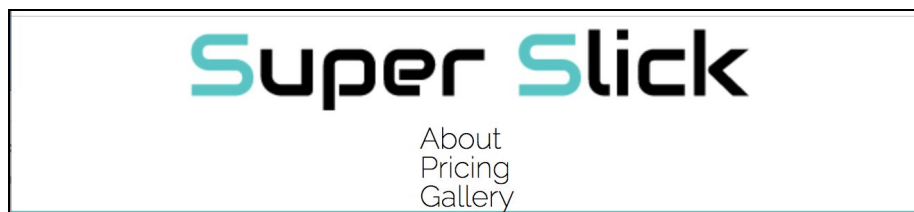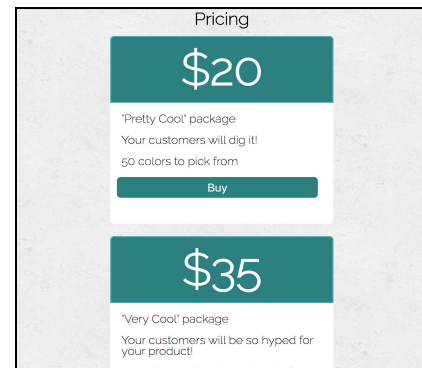https://github.com/UMSIComplexWebDesign/homework_5

Demo of Assignment:

https://www.youtube.com/watch?v=JBe1hFf1aKo

Requirements:

Note, the css code has comments to guide you through these requirements. In some cases the requirements may already be fulfilled in the partial CSS we supplied.

01. All files and folders present, HTML file and CSS stylesheet in proper format, no styles in HTML. **DO NOT MAKE ANY CHANGES TO THE HTML BODY** unless it is to fix validation errors. Do not add any classes or ids.

02. Validate all of the code - do this throughout the entire process.
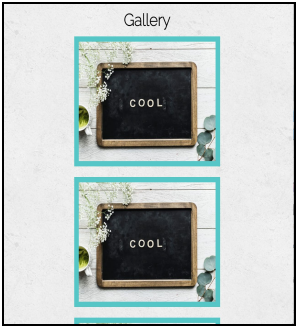
The following specifications are for the default view:

1. Animate the logo class with keyframes. It should start at a width of 25px and grow to 420px. The animation should take 15 seconds and not-repeat. (The example video takes 3 seconds, but with the autograder we are requiring 15 this semester.) -- Submit via video demo.

2. 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.
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3. Edit the css for the **card** class to match our example. Achieve this by using a flex-property to specify an initial size of 400px.

4. Edit the css for the **header** to use flex to match our example.

5. Edit the css for the **nav_links** class to match our example with each link on its own line. Do ***not*** modify the list items or the links - modify the **nav_links** class to use flex.

6. Edit the css for the gallery class to use flex to match our examples -- the changes are not from media queries, but from the use of flex.
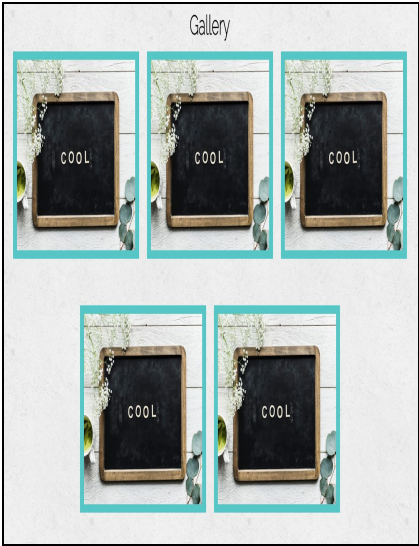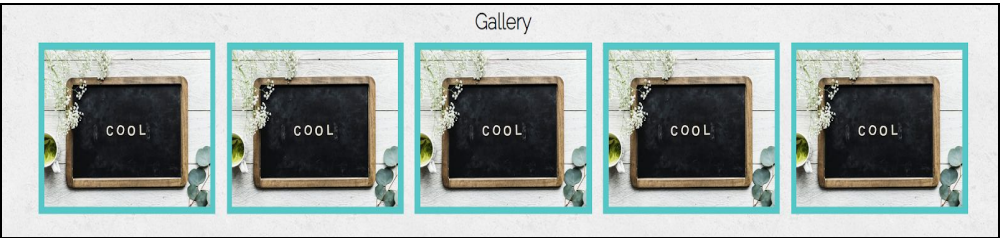
Narrow Screen

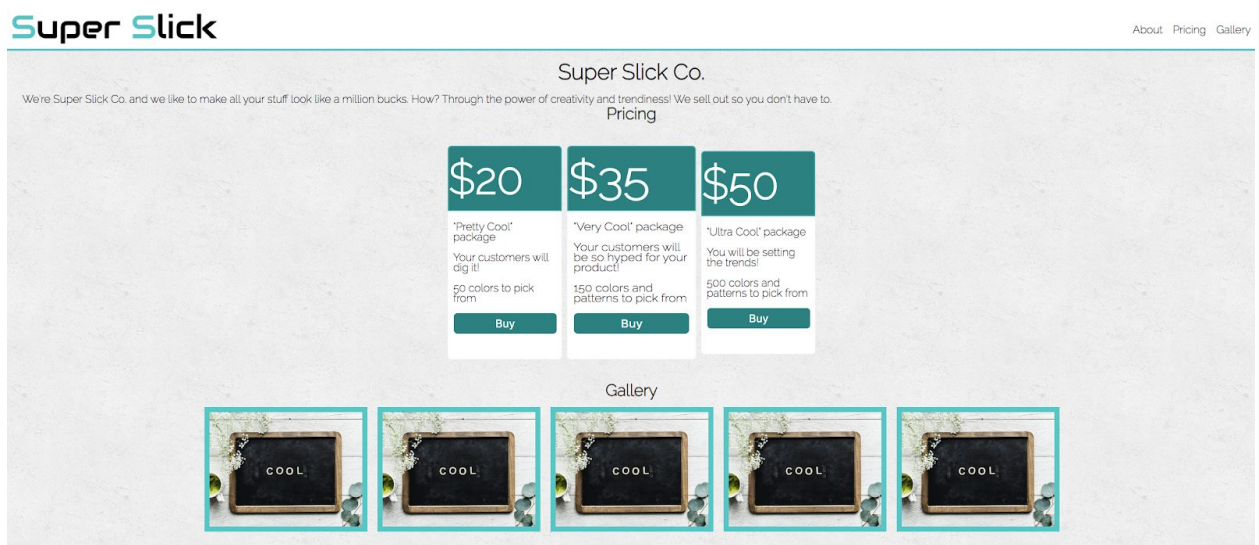Wider Screen...

Wider...

Wider ...

Widest Screen...

The following specifications are for when the screen-size is greater than 850px

7. Edit the css for the **card** class to match our example. Achieve this by using a flex-property to specify an initial size of 225px.

8. Edit the css for the **header** to use flex to match our example.

9. Edit the css for the **nav_links** class to match our example with the links spaced apart.

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

10. The logo class should appear but not be animated if prefers-reduced-motion is selected in the accessibility preferences. -- Submit via video demo.

The following specifications are for when the page is printed.

11. The background image should be removed. -- Submit via video demo.

12. Edit the **pricing** class so that the elements align on the top -- Submit via video demo.

13. The gallery class and id should not be displayed. -- Submit via video demo.

Tips!

1. Did you remember to link the default style sheet?
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? Did you use browser-prefixes? If not, check out https://autoprefixer.github.io/ or add a plugin to your editor.
4. Use Inspect Element to test out the different flex options.
5. We use space-between for large screen view of the header and the nav_links.

Submission Requirements:

1. Submit link to the working demo in canvas. We want to see the deployed page, not the code so the URL should be *similar to* **<your-user-name>.github.io/homework5**
2. There will be a supplemental assignment for you to submit a video you demoing the animation, prefers-reduced-motion, and print view. **If possible we will be altering this to allow for an autograder as well.

   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.

Deeper Questions…

1. Why is the skip to content link a different color than the other links? Can you modify your code to remove the animation for Skip to Content?
2. Can you change the animation to repeat 3 times?
3. What is the point of the card_big class?
4. What would happen if I changed the <header> tag to a <div>?