

Assignment 1

In this assignment you will write a simple HTML page and multiple Style Sheets to display the elements of the page in different ways.

This assignment is worth 5% of your final grade.

Setup

Download the starter code archive from Canvas and expand into an empty folder. I recommend, if you have not already done so, creating a folder for the class and individual folders beneath that for each assignment.

The starter code archive contains the following files:

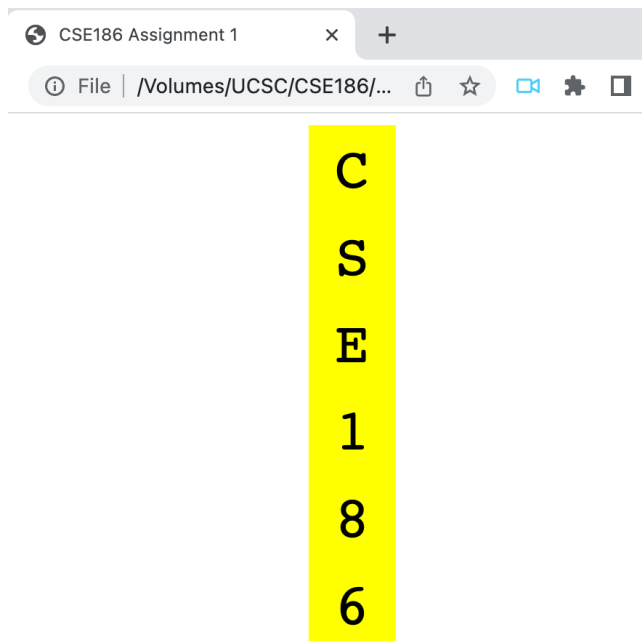
```
index.html
basic.css
advanced.css
stretch.css
```

Requirements

Note that all three requirements must be met by modifications to the supplied stylesheets and index.html file; do **NOT** create a new HTML file for each requirement or add new stylesheets.

Basic:

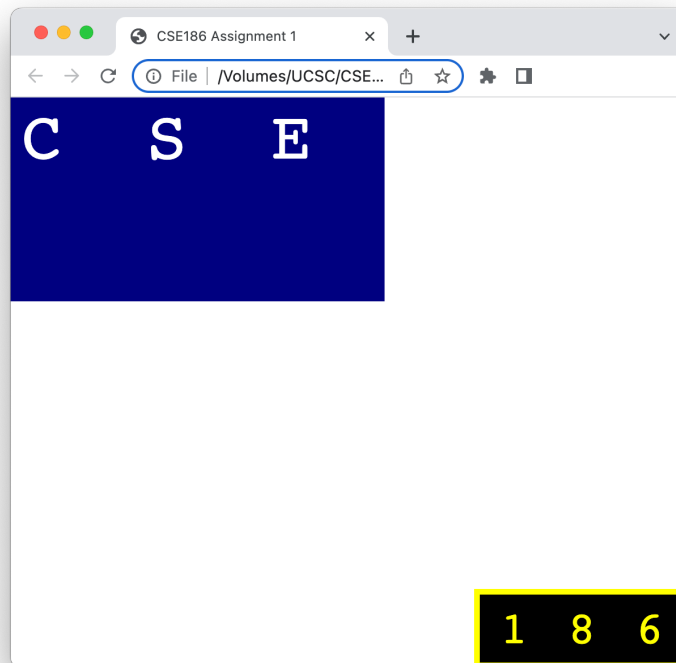
- Modify `index.html` and `basic.css` to display “CSE186” vertically in a 40px Lucida Console font degrading to Courier then monospace with a yellow background and black text in top center of the browser as shown:



To achieve the correct spacing you may want to have each character horizontally and vertically centered in its own 60x60px `<div>` but you can use as many other ``s and `<div>`s as you need or implement something completely different, it's entirely up to you.

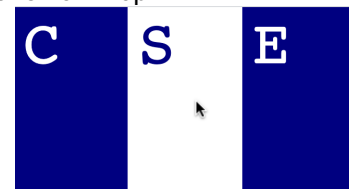
Advanced:

- Modify `index.html` so it continues to meet the Basic requirement when linked to `basic.css` but when linked to a modified `advanced.css` shows “CSE” in the top left corner of the browser and “186” in the bottom right as shown:



The `<div>`s the letters are in should now be 100x180px with a navy-blue background and white text. The numbers' `<div>`s should remain 60x60px but should have a black background, yellow text and a 10px yellow border. The letters should now be 60px whilst the numbers remain 40px.

When the mouse hovers over the letters, they should go into “reverse video” with the text turning navy-blue and the background turning white as shown:



A similar effect should occur when the mouse pointer hovers over the numbers, as shown:



Stretch:

- Modify `index.html` so it continues to meet the Basic and Advanced requirements when linked to the appropriate style sheets, but when linked to modified `stretch.css` exhibits behavior of your choice using at least two of the following effects:

Gradients
Transitions
Animations

You will need to do your own research on these effects.

What steps should I take to tackle this?

Review the lecture handouts, consult on-line resources including:

<https://www.w3schools.com/html>
<https://www.w3schools.com/css>
<https://www.tutorialspoint.com/html>
<https://www.tutorialspoint.com/css/>

And come along to TA and Instructor office hours to ask questions.

How much code will I need to write?

A model solution that satisfies all requirements adds approximately a dozen lines of HTML and around three dozen lines of CSS.

Grading scheme

The following aspects will be assessed:

1. (100%) **Does it work?**

- | | |
|-------------------------|-------|
| a. Basic Requirement | (40%) |
| b. Advanced Requirement | (40%) |
| c. Stretch Requirement | (20%) |

25% deduction if your code is poorly formatted or does not pass validation at <http://validator.w3.org/>.

2. (-100%) **Did you give credit where credit is due?**

- a. Your submission is found to contain code segments copied from on-line resources and you failed to give clear and unambiguous credit to the original author(s) in your source code (-100%). You will also be subject to the university academic misconduct procedure as stated in the class academic integrity policy.
- b. Your submission is determined to be a copy of a past or present student's submission (-100%)
- c. Your submission is found to contain code segments copied from on-line resources that you did give a clear and unambiguous credit to in your source code, but the copied code constitutes too significant a percentage of your submission:
 - < 25% copied code No deduction
 - 25% to 50% copied code (-50%)
 - > 50% copied code (-100%)

What to submit

Make a Zip Archive of the four modified files:

```
index.html
basic.css
advanced.css
stretch.css
```

****** UPLOAD THIS ZIP ARCHIVE TO THE CANVAS ASSIGNMENT AND SUBMIT ******