

Exercise: CSS Transitions and Animation

For this exercise, **you're** going to use CSS and transitions to make a dropdown menu system for navigating to your other work. This will be drawing on your existing knowledge of HTML and CSS, and built from scratch, so roll up your sleeves and **let's** get started!

Part 1: The HTML

Create a new web page, and build a set of menus to access the following:

1. Each of your linked ICEs (the ones you've done so far)
2. Your projects (just placeholder links at this point)

In that HTML page, make two divs with the class **menu**.

In the first div, add the text "My ICEs" and then make a UL containing a list of links to your ICEs. In the second one, add the text "My projects" and then make a UL containing a list of links to your Wiki project and your CMS.

Part 2: The CSS

In your CSS, set the class "menu" to have the following properties:

- A background color of your choice
- A height of 1 em
- A width of 200px (or some other value that will universally fit whatever content you have in it)
- Set its "overflow" property to "hidden"
- Style the div further to look pretty, and have good fonts and text colors.

When you hover over the div, set its height to be some value that lets you see all the items (a good rule of thumb is to count your lines in the div, so that would be your number of ICEs plus the "heading", and then set the div to that many **em**).

Also be sure to change the appearance of your links so they match your color scheme (and maybe get rid of the underline, but change them in some other way to look like interface elements).

Set a transition for the class, so that when its height is changed it takes 1 second.

Check out the links in myCourses, and our in-class demo for pointers on how to do this. But you'll also need to work through the problem of applying the techniques to this specific instance.

Part 3: What Else?

There are some other things we could do to make this look a little better... maybe try:

- Removing the bullets from the list
- Position the instances of the same class side by side
- Make the menu automatically size itself to fit its content

When you're done, upload this file to Banjo, and link to it from your main 230 page.

If you are interested in more, you can also check out information on the **<canvas>** tag. Check it out here:

http://www.w3schools.com/html/html5_canvas.asp

<http://diveintohtml5.info/canvas.html>

And some cool examples built by crazy people:

<http://www.chromeexperiments.com/>

There are plenty of tutorials and how-tos out there on all this technology, so start exploring! **We'll** be doing a lot more with CSS animation when we start making browser apps and games.