

Week 1

Assignment: This week's assignment is to create a simple web page using jQuery as well as HTML & CSS. The goal was to create a button that changed the background of the page when hovered over by the mouse. The second requirement was to create a toggleable login section that appeared/ disappeared after being clicked.

Technology used: NetBeans -- IDE, HTML -- Web Markup Language, CSS-- Web Styling, jQuery-- Javascript library

Details about project: This week's project was fairly simple. I used limited stylings as the guidelines are to make the project simple.

The jQuery files were put in the *js folder* under index.js, for the background change component there are two separate methods --

<pre>//Mouse \$("#hover").on('mouseenter', function(){ \$('body').css("background-color","blue"); }); \$("#hover").on('mouseleave', function(){ \$('body').css("background-color","red"); });</pre>	<p>The Mouseenter/ mouseleave function detects when the components in this case the button with the ID “#hover” has the mouse over it or not.</p> <p>When the function detects the change in status the “body” of the page changes the css element ‘background-color’</p>
<pre>/* Alternate Method, Uncomment for Hover * \$("#hover").hover(function(){ * \$('body').css("background-color", "yellow"); * }, function(){ * \$('body').css("background-color", "pink"); * }); */</pre>	<p>The alternate method uses the hover function that automatically detects whether the mouse is hovering over the button. As soon as the mouse leaves the button the color changes automatically.</p>

The second requirement for this project was to create a toggleable login section. As a bonus to the projects I created a “dummy” login page that redirects back to the index page using the HTML Meta Tag -- <meta http-equiv="refresh" content="5;url=index.html" />

<pre>//toggle login section \$("#loginbtn").click(function(){ \$("#login").toggle(); });</pre>	<p>The toggle section where the button with the id “#loginbtn” makes the form with the id “#login” appear/ disappear when clicked.</p> <p>The CSS stylesheet index.css uses display: none so that initially the form is hidden.</p>
<pre>//onClick \$('form').submit(function(){ \$.post('#', function() { window.location = '/login.html'; }); return false; });</pre>	<p>The onClick function directs users to the login.html page when the submit button is clicked.</p>

Issues: Overall the project was straightforward and simple. Some of the issues that could be fixed are organization such as using ‘div’ tags as well as assigning more ids and classes, however, this will be something that is addressed in future assignments.

One of the main issues comes with the form. If this page was more robust with potentially multiple forms on the same page, it would cause some issues as right now the onClick method targets all ‘form(s)’. Finally, the form should use validation before any information is submitted.