**Fluency Review Template**

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**Date:** February 3 through 17, 2018

**Week:** 5, 6

**Coding Topic:** Manipulating CSS Class Properties Using JavaScript

**Description of Understanding:** While studying for this topic, I learned that I had been implementing these methods in other entries. I learned how to use onclick to call JavaScript functions to edit/manipulate the CSS class properties. Some of the property manipulations demonstrated are: colors and background-colors, fonts, visibility, and width/height. I really like how I was able to use CSS class properties to manipulate an object created in objects and animate them. I was able to show my creation to my team in a lesson. From Cami, I learned about manipulating with mouse over and clicking. I was able to use her demonstrations of the topic to manipulate the class properties.

**Teaching Video:** [Lessons 8, 11, 12, 13](http://youtu.be/QWMUVhpfu40), [Lessons 7, 9, 10](https://www.youtube.com/watch?v=dKUelgg_Fp4), [Lessons 7, 8](https://www.youtube.com/watch?v=TvKvZfb5TNc)

Starting at: N/A

**Also Integrated with:** Manipulating CSS Class Properties Using JavaScript

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| --- | --- | --- | --- |
| **File** | **Git Link** | **What should I be looking for?** | **Sandbox or Your code?** |
| CSS Class Manip.html | [https://github.com/romero-julian/CIT-261-Portfolio/...](https://github.com/romero-julian/CIT-261-Portfolio/blob/master/07.%20Manipulating%20CSS%20Class%20Properties%20Using%20JavaScript/CSS_Class_Manip.html) | Examples of CSS class manipulations: colors, fonts, visibility, height and width. | Mine |
| DOM Advanced Manipulation.html | [https://github.com/romero-julian/CIT-261-Portfolio/...](https://github.com/romero-julian/CIT-261-Portfolio/blob/master/06.%20DOM%20Manipulation%20Using%20createElement,%20appendChild,%20insertBefore,%20removeChild,%20etc/Advanced/DOM_Advanced_Manipulation.html) | Manipulate div color and style left and top | Mine |

**Coding Topic:** Creating CSS3 Transitions and Animations in CSS and triggering them with JavaScript

**Description of Understanding:** This topic is my favorite, by far. I learned how to not only create shapes with CSS, but how to animate. At first, I learned how to create the shapes and have them transition and transform. I was introduced to these attributes by Cami in our second teach and learn session. I researched about the various attributes that can be implemented to change the objects in the HTML. Once I was comfortable with that, I created a hover over and button to assign a JavaScript trigger to make the objects change. I was excited to see the shape change and moved across my browser! I continued exploring other capabilities of CSS such as change the color, timing, resizing, and so on.

**Teaching Video:**  [Lessons 8, 11, 12, 13](http://youtu.be/QWMUVhpfu40), [Lessons 8, 9](https://www.youtube.com/watch?v=upscnonXBA4), [Lessons 7, 8](https://www.youtube.com/watch?v=TvKvZfb5TNc)

**Starting at:** N/A

**Also Integrated with:** Creating CSS3 Transitions and Animations in CSS and triggering them with JavaScript

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| **File** | **Git Link** | **What should I be looking for?** | **Sandbox or Your code?** |
| CSS3 Transitions, Transformations JavaScript Triggered | [https://github.com/romero-julian/CIT-261-Portfolio/...](https://romero-julian.github.io/CIT-261-Portfolio/Topics%2008/CSS3_Transitions_Animations.html) | Examples of transitions and transformations.  Also, triggering CSS with JavaScript | Mine |

**Coding Topic:** Standard JavaScript Events Including those for Mobile Devices (Ex. onTouchBegin, onLoad, etc.) and Animation and Transition Events

**Description of Understanding:** In this topic, I was excited to see some mobile functions available to work with. The first part of this topic, I learned how about the various available HTML DOM events. I created a few buttons to test onClick, onDblClick, and onMouseOver. I also tested the onload event to run a function once the page finished loading. Finally, I was able to learn and test touch functions. Thanks to David, I learned how to emulate a touch device with Chrome. I create an image that changed size when I touched it. Once I got this to run, I tested it on my cell phone, and it worked!

**Teaching Video:**  [Lessons 7, 9, 11](https://www.youtube.com/watch?v=dKUelgg_Fp4), [Lessons 8, 9](https://www.youtube.com/watch?v=upscnonXBA4)

**Starting at:** N/A

**Also Integrated with:** next

|  |  |  |  |
| --- | --- | --- | --- |
| **File** | **Git Link** | **What should I be looking for?** | **Sandbox or Your code?** |
| JavaScript Events - Mouse and Touch | [https://github.com/romero-julian/CIT-261-Portfolio/...](https://romero-julian.github.io/CIT-261-Portfolio/Topics%2009/Javascript_Mobile_Events.html) | Triggering HTML DOM events with mouse and touch. | Mine |