**Fluency Review Template**

**Name:** Julian Romero

**Date:** January 28, 2018

**Week:** 4 & 5

**Coding Topic:** Using XMLHTTPRequest to Consume a JSON Web Service

**Description of Understanding:** In this group I learned about JSON – JavaScript Object Notation. In prior codes, I would create associated array objects within the code. With JSON I am able to functionally remove the static values and store it as a web service. With XMLHttpRequest, I can pull and load the JSON file into my code. In the uploaded examples I was able to demonstrate loading the JSON web service to arrays and display them to the user.

**Teaching Video:** [Learning topics 4, 5, & 6](https://www.youtube.com/watch?v=DYz0tjJYBTQ)

**Starting at:** 31:56 to 48:24

**Also Integrated with:** Using XMLHTTPRequest to Consume a JSON Web Service

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| **File** | **Git Link** | **What should I be looking for?** | **Sandbox or Your code?** |
| JSON\_XMLHttpRequest.html | [https://github.com/romero-julian/CIT-261-Portfolio/...](https://github.com/romero-julian/CIT-261-Portfolio/blob/master/04.%20Using%20XMLHTTPRequest%20to%20Consume%20a%20JSON%20Web%20Service/JSON_XMLHttpRequest.html) | Examples of JSON file as web service. XMLHttpRequest to obtain web service and create object with data. Use of arrays with htttpRequest | Mine |

**Coding Topic:** Local Storage API, Storing and Retrieving Simple Data, Arrays, Associative Arrays, and Objects

**Description of Understanding:** While studying about storage API, I discovered that there is storage for sessions and local storage. With local storage, the values are stored even if the browser is closed. I learned how to pull data and use arrays and associative arrays to add items to storage and removed them as well. I am also able to clear local storage and load a simple object to the local storage as well.

**Teaching Video:**[Learning topics 4, 5, & 6](https://www.youtube.com/watch?v=DYz0tjJYBTQ)

**Starting at:** 15:40 to 31:56

**Also Integrated with:** Local Storage API, Storing and Retrieving Simple Data, Arrays, Associative Arrays, and Objects

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| **File** | **Git Link** | **What should I be looking for?** | **Sandbox or Your code?** |
| LocalStorageAPI | [https://github.com/romero-julian/CIT-261-Portfolio/...](https://github.com/romero-julian/CIT-261-Portfolio/blob/master/05.%20Local%20Storage%20API,%20Storing%20and%20Retrieving%20Simple%20Data,%20Arrays,%20Associative%20Arrays,%20and%20Objects/LocalStorageAPI.html) | Use of localstorage. Loading items into storage with arrays and assoc. arrays. | Mine |

**Coding Topic:** DOM Manipulation Using createElement, appendChild, insertBefore, removeChild, etc

**Description of Understanding:** I found the DOM to be very powerful and useful. I learned how to createElements with JS into an HMTL. I was able to find elements within the HTML and update them. I could also show how to change an item from a unsorted list using replaceChild. I also demonstrate how to remove elements with removeChild. David taught us regarding the DOM and how we can change HTML properties by using these DOM functions and methods.

**Teaching Video:**[Learning topics 4, 5, & 6](https://www.youtube.com/watch?v=DYz0tjJYBTQ)

**Starting at:** 0:00 to 15:40

**Also Integrated with:** DOM Manipulation Using createElement, appendChild, insertBefore, removeChild, etc

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| **File** | **Git Link** | **What should I be looking for?** | **Sandbox or Your code?** |
| DOM Basic Manipulation | [https://github.com/romero-julian/CIT-261-Portfolio/...](https://github.com/romero-julian/CIT-261-Portfolio/blob/master/006.%20DOM%20Manipulation%20Using%20createElement,%20appendChild,%20insertBefore,%20removeChild,%20etc/Basic/DOM_Basic_Manipulation.html) | Use of DOM to: replace elements, querySelectorAll, addElement, createElement, appendChild, insertBefore, remove elements, and replaceChild | Mine |
| DOM Advanced Manipulation | [https://github.com/romero-julian/CIT-261-Portfolio/...](https://github.com/romero-julian/CIT-261-Portfolio/blob/master/006.%20DOM%20Manipulation%20Using%20createElement,%20appendChild,%20insertBefore,%20removeChild,%20etc/Advanced/DOM_Advanced_Manipulation.html) | Use of DOM to edit div location, animate colors and update div text | Mine |