**Fluency Review Template**

**Name:** Julian Romero

**Date:** January 21, 2018

**Week:** 2

**Coding Topic:** Loops, Conditional Statements, Functions, Variables, Parameters, Arrays, Associative Arrays

**Description of Understanding:** This first topic group I spent the most amount of my time trying to refresh my memory HTML, CSS and JavaScript. I learned how to declare and assign values to variables with ‘var’, ‘let’ and ‘const’. Rather than creating .java files, I challenged myself to code javascript in html. I created FOR, WHILE, and DO..WHILE loops, and used math operators to calculate values with variables. Additionally, I created and worked on some arrays. I declared arrays and extracted the values into a text variable to show to the user when a button was clicked. I also created an associative array to reference directly to specify values in the array. Finally, I learned how to traverse an array’s values with a for loop and sort an array as well. All the array’s were used in functions which were referenced by the html section.

**Teaching Video:**

**Starting at:**

**Also Integrated with:** Loops, Conditional Statements, Functions, Variables, Parameters, Arrays, Associative Arrays

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| --- | --- | --- | --- |
| **File** | **Git Link** | **What should I be looking for?** | **Sandbox or Your code?** |
| Variables.html | [https://github.com/romero-julian/CIT-261-Portfolio/...](https://github.com/romero-julian/CIT-261-Portfolio/blob/master/01.%20Loops%2C%20Conditional%20Statements%2C%20Functions%2C%20Variables%2C%20Parameters%2C%20Arrays%2C%20Associative%20Arrays/Variables.html) | Examples of variables and loops | Mine |
| Functions.html | [https://github.com/romero-julian/CIT-261-Portfolio/...](https://github.com/romero-julian/CIT-261-Portfolio/blob/master/01.%20Loops%2C%20Conditional%20Statements%2C%20Functions%2C%20Variables%2C%20Parameters%2C%20Arrays%2C%20Associative%20Arrays/Functions.html) | Use of functions, variables, and loops. | Mine |
| Arrays.html | [https://github.com/romero-julian/CIT-261-Portfolio/...](https://github.com/romero-julian/CIT-261-Portfolio/blob/master/01.%20Loops%2C%20Conditional%20Statements%2C%20Functions%2C%20Variables%2C%20Parameters%2C%20Arrays%2C%20Associative%20Arrays/Arrays.html) | Examples of arrays and associative, functions, loop and variables. | Mine |

**Coding Topic:** jUnit

**Description of Understanding:** This last week I worked on providing evidence of my understanding of Junit Testing and System Testing.  Here is where you can find evidence of my fluency.

**Teaching Video:** <https://www.youtube.com/watch?v=TNn_XDoZ8>

**Starting at:** 8:14

**Also Integrated with:** I am writing tests for MVC and Java Collections

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| --- | --- | --- | --- |
| **File** | **Git Link** | **What should I be looking for?** | **Sandbox or Your code?** |
| MyPortTest.java | [**https://github.com/tuckettt/CIT360-Portfolio.git**](https://github.com/tucketttCIT360-Portfolio.git) | This is the class being tested | Mine |
| MyPortTestTest.java | [**https://github.com/tuckettt/CIT360-Portfolio.git**](https://github.com/tucketttCIT360-Portfolio.git) | This is the test class. | Sandbox |

**Diagram**: UML Class Diagram

**Description of Understanding:** I was able to use a Class Diagram as a part of the design of my DVD Collection application. The diagram helped me to identify the necessary classes and interfaces.

**Teaching Video:** None

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| --- | --- | --- |
| **File** | **What should I be looking for?** | **Example**  **Or Your code?** |
| /myrepository/uml/classdiagrams/dvdcollection.pdf | My first try at this diagram. | My code |