

Fluency Review Template

This is a full pdf updated with all of my lessons.

Name: Kirk mortenson

Week 5

Lesson 1

Coding Topic: JavaScript - Loops, Conditional Statements, Functions, Variables, Parameters, Arrays, and Associative Arrays.

Description of Understanding: This is a topic I am familiar with I've done some basic coding to show my understanding of how Loops, Conditional Statements, Functions, Variables, are used the functions utilize parameters and I show my understanding of Arrays and objects forming Associative Arrays.

In the teaching video I was using my original format of just code. I changed my format to a website instead of individual code and added more coding on arrays and associative arrays to round out my fluency and use of loops.

I'm using CodePen to embed my code in the website. This allows you to look at the JavaScript, the CSS and the HTML as well as the result. You can use the buttons at the top of the form to toggle through the items or click on the EDIT on CodePen icon on the right top of the form to open to a full screen version.

Teaching Video: [Zoom JavaScript Teaching Video link](#)

Starting at: Video is the full lesson

Also integrated with: I am utilizing JavaScript in many of the other lessons currently submitted JSON and Manipulating Class properties as well as the navigation menu of the website.

File	Website link	What should I be looking for?	Sandbox or Your code?
Website JavaScript Page	https://kmortenson.github.io/kmortenson.github.io/CIT-261-Mobile-Application-Development/javascript.html	Lesson 1 functions utilizing various JavaScript code	My code

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Lesson 2

Coding Topic: JavaScript Objects - Object Creation Functions, Inheritance, Properties, Methods, Instantiation

Description of Understanding:

It's funny when I first learned JavaScript I didn't think of it as an Object Oriented language but as I am working through this lesson I have been reading a lot and comparing it to the other OOP languages I have learned. I now better understand about Associative Arrays an objects as well as inheritance and intonation in relation to Javascript

Teaching Video:

Starting at:

Also Integrated with:

File	Git Link	What should I be looking for?	Sandbox or Your code?
			My code

Name: Kirk mortenson

Week 6

Lesson 3

Coding Topic: JSON parse and Stringify

Description of Understanding: Parse and Stringify operations are fairly basic. I have used JSON for Web design and in applications to store data in languages like Java, JavaScript and C#. Putting together the lesson for the class I reached out to multiple websites and books to see if there was any additional information I could insert into the lesson. I learned a lot more about the JSON file system but I decided to keep the lesson focused on Parse and Stringify to remain on scope.

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Teaching Video: [Zoom JSON video lesson](#)

Starting at: Video is the full lesson

Also Integrated with:

File	Website Link	What should I be looking for?	Sandbox or Your code?
Website JSON Page	https://kmortenson.github.io/kmortenson.github.io/CIT-261-Mobile-Application-Development/json.html	Lesson 3 first lesson on the page	My code

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Week 7
Lesson 4

Coding Topic: AJAX requesting a JSON file

Description of Understanding: I've used AJAX in JavaScript for web design as well as C# for data and Java. I like how streamlined using AJAX is having it able to update without reloading the page. In this function I wanted to use an external source. I found an interesting site called IPinfo.io and utilized the JSON it produces. I still did a bit of reading to round out my knowledge and to better understand how Ajax works.

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Teaching Video:

Starting at:

Also Integrated with:

File	Git Link	What should I be looking for?	Sandbox or Your code?
Website JSON Page	https://kmortenson.github.io/kmortenson.github.io//CIT-261-Mobile-Application-Development/json.html	Lesson 4 second lesson on the page	My code

Name: Kirk mortenson

Week

Lesson 5

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

Description of Understanding: I have used local storage in the past for many programs. This lesson has rounded out my understanding with it and let me play with multiple datatypes with the code I wrote. I could have left the first box out but I wanted to show basic storage with a coded key, opposed to the second box that allows you to set the key. It's a good demonstration with the understanding that you can automate the process to store the data as well.

Teaching Video:

Starting at:

Also Integrated with:

File	Git Link	What should I be looking for?	Sandbox or Your code?
HTML Website Page	https://kmortenson.github.io/kmortenson.github.io//CIT-261-Mobile-Application-Development/html.html	Lesson 5 Local Storage	My code

Name: Kirk mortenson

Week

Lesson 6

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

Description of Understanding:

Teaching Video:

Starting at:

Also Integrated with:

File	Git Link	What should I be looking for?	Sandbox or Your code?
			My code

Name: Kirk mortenson

Week 7

Lesson 7

Coding Topic: Manipulating CSS Class Properties Using JavaScript

Description of Understanding: I've used this in some of my web designs so I put together a quick bit of code that just changes the CSS class from one to another. I referenced a few websites and books and there is a lot you can do with JavaScript and CSS and changing HTML but changing the class is pretty simple. I am currently putting the PowerPoint together for class next week. I'll resubmit the page when I have the lesson Video.

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Teaching Video: [Zoom Teaching Video](#)

Starting at: video is the full lesson

Also Integrated with:

File	Website Link	What should I be looking for?	Sandbox or Your code?
Website JavaScript Page	https://kmortenson.github.io/kmortenson.github.io/CIT-261-Mobile-Application-Development/javascript.html	Lesson 7 functions Manipulating CSS Class Properties	My code

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Week

Lesson 8

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

Description of Understanding:

Teaching Video:

Starting at:

Also Integrated with:

File	Git Link	What should I be looking for?	Sandbox or Your code?
			My code

Name: Kirk mortenson

Week

Lesson 9

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

Description of Understanding:

Teaching Video:

Starting at:

Also Integrated with:

File	Git Link	What should I be looking for?	Sandbox or Your code?
			My code

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Week 8
Lesson 10

Coding Topic: HTML5 Tags - Video, Audio, and Canvas

Description of Understanding: this is the first time I have utilized video, audio or Canvas. Utilizing the tags to import the files and understanding the controls as well as the file formats utilize by various web browsers, I found a great list on MDN. I MP4 and OGG for Video and MP3, OGG and WAV fir the Audio. I realized my video clip didn't have Audio but I think the Audio clip goes well with the video. I took the lesson primarily as utilizing the audio and video tags I utilized some of the control's parameters like preloading and loop but with preloading I understand the browser can override your request.

Canvas is huge I really like the flexibility of just creating and image utilizing code, I can geek out on this because I do a lot of work in CAD and G code. But the ability to insert images and even video into the canvas space is really neat. Of my stack of books from the library many have full chapters on Canvas and one book is just about Canvas.

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Teaching Video: Video will be added in week 10

Starting at:

Also Integrated with:

File	Website Link	What should I be looking for?	Sandbox or Your code?
Website HTML Page	https://kmortenson.github.io/kmortenson.github.io//CIT-261-Mobile-Application-Development/html.html	Lesson 10 HTML5 Tags	My code

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Week

Lesson 11

Coding Topic: Designing, Defining, and Triggering CSS3 Transitions without Custom Libraries

Description of Understanding:

Teaching Video:

Starting at:

Also Integrated with:

File	Git Link	What should I be looking for?	Sandbox or Your code?
			My code

Name: Kirk mortenson

Week

Lesson 12

Coding Topic: Designing, Defining, and Triggering CSS3 Transforms without Custom Libraries

Description of Understanding:

Teaching Video:

Starting at:

Also Integrated with:

File	Git Link	What should I be looking for?	Sandbox or Your code?
			My code

Name: Kirk mortenson

Week

Lesson 13

Coding Topic: Designing, Defining, and Triggering CSS3 Animations without Custom Libraries

Description of Understanding:

Teaching Video:

Starting at:

Also Integrated with:

File	Git Link	What should I be looking for?	Sandbox or Your code?
			My code