Week 6 – That was fast!

* **Stop and look behind you**
* Project Submission Instructions:
  + Due Date is next Wednesday, midnight UTC Time Feb 12th!
* Last of all -- God bless you.
* Make sure you understand the grading of the final project.

# **Office Hours 1 last time!**

Tuesday 11:00 AM **Central**   
Tuesday 9:00 PM **Central**

[https://byupw.zoom.us/my/**gtjames**](https://byupw.zoom.us/my/gtjames)

**Use this link to make sure you have the correct time for you time zone**

<https://www.timeanddate.com/worldclock/converter.html?iso=20250201T170000&p1=tz_ct&p2=tz_mt&p3=1440&p4=125&p5=tz_eat>

<https://www.timeanddate.com/worldclock/converter.html?iso=20250202T030000&p1=tz_ct&p2=tz_mt&p3=1440&p4=125&p5=tz_eat>

# **Stop and look behind you!**

You have probably been too busy to do so for the last 6 weeks. But stop and look at what you have accomplished. As you have worked with your team and learned from and with them you should now have a respectable set of JavaScript notes and hopefully some effective code examples of what you have learned. Items you can use in the future. Keep them close by. A good library of code is always a helpful bootstrap to start your next project. I know I frequently carried my toolbox of code utilities from job to job on an ancient floppy disc. There is too much to remember on your own. Let GitHub be your memory. (I have 65 repos for Java, JS, C#, HTML, MongoDB, Node.js and SQL projects).

Not unlike the Brass Plates were for the Nephites. You need to have something to reflect on to remind you of the bondage of ignorance you were in when you started the class. Now you can see the light you have gained with your knowledge and experience. I was impressed with a thought while reading the Book of Mormon recently. Nephi and the brothers had retrieved the Brass Plates. That record was a guide to the family as was the Liahona. Your collection of memories (at least for code) needs to be codified. You need a record of what you have learned. A good repo is perfect for that. Otherwise, you might dwindle in your understanding of JavaScript. If you have only read the assignments and not put your learning into action with simple web pages, you have not internalized the doctrines of this course.

I know this might seem a bit of a stretch to apply the class and your code to the scriptures, but it is not too far off target. I know you were anxious and afraid when the course started. If you paid the price of experimenting (giving heed and diligence to the exercises) and studying and working with your team, then you have come out of that darkness and like Elder Bednar mentioned in a recent talk; it is a dawn of slowly growing light. So, slow you might not recognize what you have walked into over the last 6 weeks.  So be proud of what you have accomplished.

# Personal Development: Submission Instructions

Make sure you look at “**W07 Portfolio Document: Personal Development: Submission**”. You will document what you have learned and what code you developed.

**You will rate** **yourself** on the outcomes of the class.

1. 2 pts Become more efficient at applying your innate curiosity and creativity.
2. 2 pts Become more dexterous at exploring your environment.
3. 2 pts Become a person who enjoys helping and learning from others.
4. 2 pts Use a divide and conquer approach to design solutions for programming problems.
5. 2 pts Finding and troubleshooting bugs you and others will have in the code you write.

# Project Submission Instructions

Make sure you look at “**W07 Portfolio Document: Skills Assessment and Video: Submission**”. You will document what you have learned and what code you developed.

The grader will score you on the class topics:

1. **25 pts JavaScript**
2. **20 pts Third-party APIs 55pts! For items 1,2,3! ( 1/4 of your grade)**
3. **10 pts JSON**
4. 10 pts CSS
5. 10 pts Events
6. 5 pts Local Storage

**Include link to your working app**.

You can submit multiple times if you need to submit multiple documents.

* **Make sure you have a link the grader can click on. GitHub pages, or a Netlify site or your own site.**
* **NOT just the GitHub repo**

This is what I need to see, that your app uses each of the coding topics. If your app does not use a topic (Events or LocalStorage) you will not get those points. So, make sure you use ALL the topics.

|  |  |
| --- | --- |
| JavaScript  Robust programming logic is demonstrated. **(Vue, React, Angular, not permitted).** | **25 pts** |
| Robust programming logic was demonstrated including multiple examples of non-trivial work most likely outside the bounds of the given examples in the course. JS was used to dynamically create a web application from JSON data retrieved from a third-party API. |
| Third-party APIs  APIs are used effectively, including APIs that provide rich JSON data. | **20 pts** |
| Extensive use of API(s) was used effectively to produce a rich experience, including 2 or more unique endpoints. |
| JSON  Demonstrate skill processing JSON data to dynamically update the website. | **10 pts** |
| Extensive use of non-trivial JSON data to provide a dynamic website experience. Required: arrays of JSON data with 8+ unique attributes. |
| CSS  Appropriate use of Transforms and Transitions. (no bootstrap) | **10 pts** |
| Advanced features of **CSS were used in 4+ places and** evident. Advanced features include: animations, transitions, card flips, hover events. |
| Events  Use events to enhance the user experience. | **10 pts** |
| **Five or more events were** used to produce a responsive experience. |
| Local storage is used effectively. | **5 pts** |
| Local storage was used to **save and retrieve multiple (3-5) properties to enhance the site experience.** |

Please provide the following in your video. Per the assignment page “*you will record a brief video highlighting your experiences listed in the document”.*

* A **video of your app and other code portfolio examples**.
  + **Less than** 6-8 minute long. Tell the grader what they should be looking for**.**
* Tell the grader how to use your application. Sometimes it is not obvious.
* Think about the outcomes (A-E above), explain your reasoning for your rating
* Think about the Topics (1-6 above), explain your mastery of the topic
  + Here are the 5 events I used in the app
  + You can see I did this, this and this with CSS
  + My API returned data like this sample here …

Think ahead before recording the video. Use some notes. Do not ramble. Guide the grader through your process and your app.

**Then** after watching the video the grader will

* Click on the link you provided and test your app.
* NO zip files. Send a link your mom (and grader) could click on that will run your app
* Code Pen ‘sites’ are acceptable as are GitHub pages. But NOT just the GitHub repo.
* The app needs to work. Your mom should be able to click on the link and test the app. In fact, you should have your mom test it.

# Last of all -- God bless you.

Every one of you at some time, was challenged with time commitments that were unanticipated at the start of the block. I have seen some excellent work despite challenging circumstances. I am impressed with your abilities to juggle like you have never done before. I hope you have documented in some journal what you have had to deal with and especially HOW you dealt with it.

A few years ago, then Elder Eyring prophesied on the quality of students that would come out of BYU Idaho and how they would be recognized by future employers. The talk is always worth reading again.

<https://www.byui.edu/foundational-addresses/a-steady-upward-course>

“They will be natural leaders who know how to teach and how to learn. They will have the power to innovate and improve without requiring more of what money can buy. Those graduates of BYU-Idaho will become—and this is a prophecy that I am prepared to make and make solemnly—those graduates of BYU-Idaho will become legendary for their capacity to build the people around them and to add value wherever they serve.

I hope you have learned some of those leadership skills in these last 7 weeks. If you have you will certainly 'add value wherever [you] serve'

Bro. James