Week 9 – Time to be ~~thinking about~~ working on your project

A Word of Encouragement

JavaScript Events

Block 2 Challenge

Project Ideas

Occasionally a student finds an interesting concise resource on different topics. Erendira found this one last week on Mixed Content. You no doubt have had some trouble with it as you worked with the APIs. It is a fairly brief read. Enjoy. And thanks Erendira!

<https://web.dev/what-is-mixed-content/>

# A word of encouragement

You have really made some excellent progress this semester. I know many of you have your own challenges, not of your choosing; nonetheless you have created some good examples and shown a lot of creativity. Look at the examples I have shared to get new ideas. If you see something you like copy it and make it your own! Magnify the code. Keep up the good work.

I encourage you also to look at the notes sections for some of your peers. You will see some that take a minimalist route which does them little good when the final project comes along, and they need to go back to their reference material. Others have done an excellent job and will have a great deal to draw upon as they build their application. These notes are for you. I grade them but you’re the one that will benefit from them.

# JavaScript Events

When you learn about events this week do not get trapped in the most basic superficial events (click and mouse over). Explore what is possible. Here is a link to a web page with an extensive list of events. <https://www.w3schools.com/jsref/dom_obj_event.asp>. Now go explore the possibilities.

Here are some examples from previous classes.

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| Events | <https://baldwin-casey.github.io/cit261/week9/javascript_events.html> | Casey Baldwin |
| Events | <https://cboshy.github.io/JavaScript%20Events/JavaScript%20Events.html> | Chris Bollschweiler |
| Events | <https://rikkor.github.io/CIT261/assignment6.html> | Eric Birch |
| Events | <https://allen-zac.github.io/Allen-Zac-Fluency/fluency-code/js-events/javascript-events.html> | Zac Allen |
| Events | <https://domenickcasper.github.io/CIT-261-BYUI/Week%205/JSEvents.html> | Domenick Casper |
| Events | <http://www.studiofuss.com/javascript_events/index.html> | Sterling Wright |
| Events | <https://kentroper.com/cit261/javascript_events.html> | Kent Roper |
| Events | <https://codeunifier.github.io/schoolProject/topics/events/events.html> | Brian Evans |
| Events | <https://immense-headland-29202.herokuapp.com/events/events.html> | Ryan Docstader |
| Events | <https://rikkor.github.io/CIT261/assignment6.html> | Eric Birch |
| Events | <https://allen-zac.github.io/Allen-Zac-Fluency/fluency-code/js-events/javascript-events.html> | Zac Allen |
| Events | <https://hurst-justin.github.io/09-JavascriptEvents/index.html> | Dalan Ienatsch |
| Events | <https://cook-amy.github.io/Assignments/javascriptEvents.html> | Amy Cook |
| Events | <https://olive-spencer.github.io/CIT-261/a9.html> | Olive Spence |
| Events | <https://mooremelissa.github.io/JavaScriptEvents.html> | Melissa Moore |

# Block 2 Challenge

The **Block 2 Challenge** provides some high-level detail about the proposal. The proposal is designed to force you to think it through.

* What will your pages look like?
* What events do you need to react to?
* Will you use a third-party API?
* Will you need LocalStorage and how would it be used?
* How might you use CSS – Transitions/Transformations/Animations?

This is the *Spiritual Creation* prior to the *Physical* *Creation*. If this step is skipped, then students enter the application development unprepared. They flounder because there is no road map. You are providing me with your roadmap. If you do the mental preparation (Spiritual Creation), the development of code (Physical Creation) will be significantly easier. If it is settled in your mind the rest is much easier. Almost anything will work ([Cups and Ice](https://www.bing.com/videos/search?q=cups+and+ice&view=detail&mid=18D06C898AF7DA6C82F318D06C898AF7DA6C82F3&FORM=VIRE)). As long as you invest time in the details.

* Do some simple wire frames to expose the user interface layout. This will help you determine the user experience, what the user will see, what data is expected and maybe some ideas for CSS usage will begin to develop and along with the needed events.
* If you are using LocalStorage, describe what will be saved, when it will be saved and when it will be retrieved.
* 3rd party API. What data do you expect to use? What gets persisted to LocalStorage?
* Describe the general ‘flow’ of the user experience. Think about how the user will interact.

This assignment is worth 1 point. So, it won’t affect your grade. However, skipping this assignment will affect your final project, which is 51% of your grade. You will have missed out on the thinking and pondering stage that will provide your foundation for development.

# Project Ideas

I shared these project samples two weeks ago but failed to include the theme of the project. I will repost this list for your reference.

Look at the examples and see what interests you. Primarily you should find something that grabs you. Makes you want to spend way too much time on. That’s what I like to see.

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| --- | --- | --- | --- | --- |
| P - Movie | <https://desolate-plateau-12188.herokuapp.com/> | | C David | |
| P - Stocks | <https://knightfalkon.github.io/final/final.html> | | J Froelich | |
| P - Weather | <https://devins-weather-app.herokuapp.com/> | | D Cenatiempo | |
| P-Character Generation | <http://cit261.joshuanilsson.com/topics/project-basics.html> | | Joshua Nilsson | |
| P-Flash Cards | <https://greenway-benjamin.github.io/flashcards/flashcards.html> | | Benjamin Greenway | |
| P-Mars Rover | <https://aaroneiche.github.io/cit261/rover.html> | | Aaron Eicke | |
| P-Movies | <https://shrouded-lowlands-62979.herokuapp.com/movie-db.html> | | Timothy Bohman | |
| P-NASA Images | <http://webworkshop.site/nasa_archive.html> | | Darlene Chapman | |
| P-Pong | <https://reed-jason.github.io/projects/tags.html> | | Jason Reed | |
| P-Shopping Cart | <https://homework-website.herokuapp.com/CIT261/ShoppingCart/index.php> | | Ann Halgren | |
| P-Solar System | <https://triatomicxeon.github.io./CSS3Animations/solarsystem.html> | | Anthony DeVito | |
| P-Solar System | <https://rpollard.com/cit261/space.html> | | Roger Pollard | |
| P-Stock Quotes | <https://ultra-anger.glitch.me/stock.html> | | Elden Chanler | |
| P-To Do List | | [https://kristinaplauche.github.io/cs261/project.html?#](https://kristinaplauche.github.io/cs261/project.html?) | |
| P-To Do List | <https://zonatto-luiz.github.io/local-storage.html> | | Luiz Zonatto | |
| P-Weather | <http://heather-marie.com/WeatherNow/> | | Heather | |
| P-Weather | | <http://cypresslittlefins.com/weatherApp.html> | |
| P-Word Search | [https://immense-head](https://immense-headland-29202.herokuapp.com/project/project.html) | | David Lambert | |
| Project | <https://irwin-cristina.github.io/byucit261.github.io/assignments/CristinaIrwinfinal/contact.html> | | Cristina Irwin | |
| Project | <http://cit261-assignments.herokuapp.com/assignments/final_project/app.html> | | Jake Bassett | |
| Project | [http://final-project.jma123ssl.com](http://final-project.jma123ssl.com/) | | Marvin Enamorado | |
| Project | <https://stevendmilton.000webhostapp.com/Final%20Project/index.html> | | Steven Milton | |
| Project | <https://pascual-jamie.github.io/PascualJamie.github.io/solarsystem.html#display-response> | | Jamie Pascual | |