L1 Notes

This week

Assignments due on the due date. A 24 hour Grace period is granted but that is it.

What Team am I on Team 8

My team is a Spanish speaking group. We meet Monday Wednesday Friday and Saturday.

To be comfortable with the course:

- JavaScript-variables, scope, template literals.
- Array Methods
- Can use the three main function forms in JavaScript-Declaration, Expression, Arrow.
- Use DOM manipulation in JS
- Event management in JS

Office hours on Sept 14 9pm and Sept 15 7 pm for the first week.

Working with Groups:

Make sure that you and your team meet up a few times a week to ensure that you do the team projects as well as the personal assignments. Trello cards are an important part of the assignments. This is akin to what the SCRUM Method is. A good way to communicate-for my group we are using Microsoft teams. A good way of tracking and assigning tasks- we are using Trello for this. A way to avoid stepping on each others toes. Github to share what you have done.

Managing the Modern Workflow

Tools fall into three categories

1) Package Managers-Track all of external dependencies on our app. This includes development tools and libraries we might be using. It not only knows which packages to download, but it tracks versions as well. We us NPM for our package manager.
2) Bundlers-Handle the compiling, transpiring, concatenating, minifying, and moving around of assets in our project. We are using Snowpack as our bundler.
3) Task Managers-These track of what needs to be done and when. There will generally be scripts defined in the task manager for each phase of development using NPM.

We will be using NPM/Node -based workflow for this course this semester.

Course setup-

- Install VS CODE
- Sitepoint-we finally got access!

- Node/NOM-Have the latest version installed
- Git & Github
- Microsoft Teams
- Form a team to work with
- Trello-use Trello to manage team projects

JS NINJA

Programming is about making computers do what you want

High level programming languages allow abstrations to be used that make the code easier for humans to read and write.

Scripting languages are also high level, but they are interpreted which means they are translated into machine code at run time.

JavaScript-The language of the web

Node.js- Allows server side applications to be written in JavaScript. Noe is based on the V8 Engine from Google. Node allows the creation of fast and powerful real-time web applications written exclusively in Javscript.

A ninja Programming environment:

Directions for installing node

JavaScript in the Console :

This is a very useful too for testing out pieces of code. It allows you to better troubleshoot and helps debug errors.

Text editors:

In JavaScirpt you don't need any editors since vs code comes with it as it is a default option.

Hello World= console.log("Hello World!");

Three Layers of the Web:

Web pages are made up of three key ingredients-HTML, CSS, JavaScript.

Second JavaScript Program-btn, rainbow.html,change function, Math object

You Don's Know JS

Up and going: Chapter 1: Into Programming:

A program often referred to as source code or just code, is a set of special instructions to tell the computer what tasks to perform . In a computer language a group of words, numbers, and operators that performs a specific task is a statement.

Expressions:

Statements are made up of one or more expressions. An expression is any reference to a variable or value set of them combined with operators. EX: a=b*2;

Output is self explanatory-

Input- This is receiving information from the user . Ex: age=prompt("Please tell me your age: "); console.log(age);