Final Project – Web Development

Your final project is to create a Web App that encapsulates a comprehensive representation of the work that we have done.  This is an open ended project.

When you are developing your project idea, think of the page visitor.  What does your page provide / do?  Who is the person that would come to this web app?  Why would they use the page?  Why would they return to the page?

Teams may be of size 1 or 2.

### General goals:

* Create a Web Application.
* Track your progress.
  + Specifically, you **\*must\*** document your progress every class period. This could be anything from “I created my HTML content” to “I researched Parse, and tried to implement it and failed”
* Make a user-friendly page.
* Make a beautiful webpage.

### Your app must include:

* Some server side operation that drives the utility of the app
* HTML (duh)
* Javascript
* CSS
* The use of a database
  + SQLite is an option, but not required. Store Data somehow.
  + Could use Firebase
  + Could use Mongo

### Optionally, your page can include:

* jQuery
* Bootstrap
* Regular Expressions
* Ajax (allows HTTP requests without page reload)
* External APIs (Firebase, Parse, Heroku, Node)
* curl
* Visualization code:
  + HTML 5 Canvas element
  + D3.js
  + Three.js
* etc....

## Other requirements

* You must link all of your code, including your server side code (look up phps or look at the course content page)
* You must have a readme of what you did and how to use your web application