GA GENERAL ASSEMBLY

WDI Darth Vader Course Syllabus

Monday, June 29th through Friday Sept 18th, 2015

Your Instructional Team

- Angie Rivera, Course Producer
- James Traver, Instructor
- Tom Taylor, Instructor
- Marion Huebner, Evening Instructor

Student Holidays & Days Off

- Friday, July 3rd, 2015 (observing of 4th of July)
- Monday, July 20th
- Monday, August 10th
- Monday, August 31st
- Monday, Sept 7th (observing Labour Day)

Office Hours

- Monday - Thursday, 4pm-8pm: Marion
- Monday, 5pm-8pm: James
- Wednesday, 5pm-8pm: Tom

Homework Submission Deadline

Homework must be submitted via pull request no later than Midnight CST.
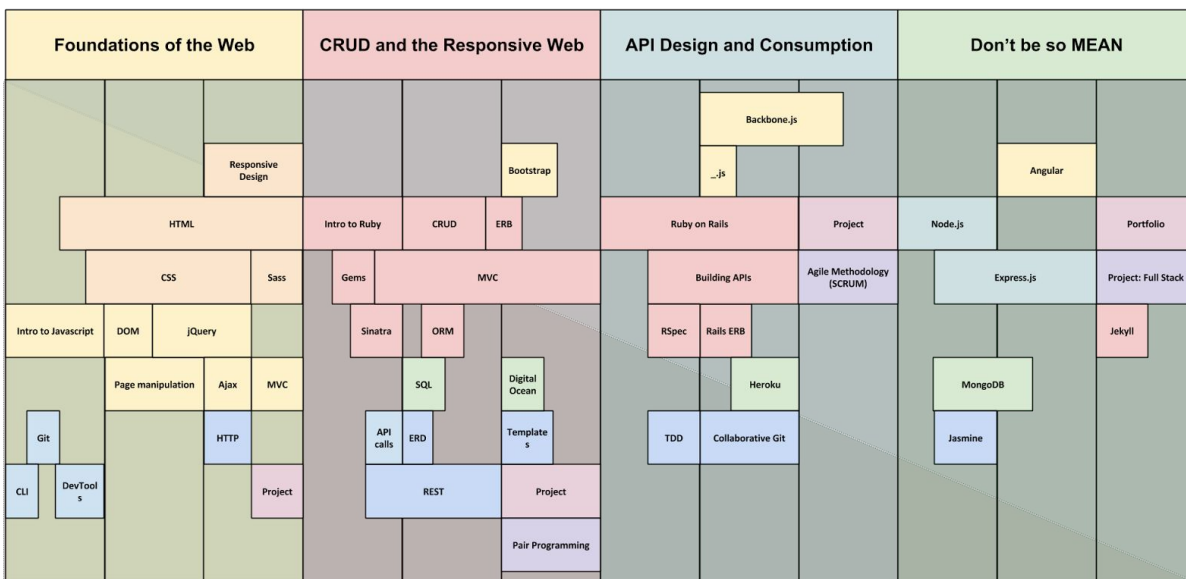
Required Software

- XCode 6.x (https://developer.apple.com/xcode/downloads/)
- Atom Text Editor (http://atom.io)
- Cocoa REST (https://github.com/mmattozzi/cocoa-rest-client)
- PG Commander (https://eggerapps.at/pgcommander/)
- Homebrew (http://brew.sh/)
- Google Chrome (http://www.google.com/chrome/)

Weekly Overview

1. Foundations of the Web
2. Objected-oriented Javascript, DOM Manipulation, jQuery

3. Mastering Front End & Project #1
4. Introduction to Ruby & Sinatra
5. SQL, MVC with Sinatra + Ruby
6. Advanced Ruby & Project #2
7. Ruby on Rails
8. APIs and Backbone.js
9. Group Project (#3)
10. Node.js, Express.js, & MongoDB
11. Angular.js
12. Capstone Project & Portfolio + Graduation!

Course Outline

Foundations of the Web	CRUD and the Responsive Web	API Design and Consumption	Don't be so MEAN

(Course Outline diagram with the following labeled blocks:)

Foundations of the Web: Responsive Design, HTML, CSS, Sass, Intro to Javascript, DOM, jQuery, Page manipulation, Ajax, MVC, Git, HTTP, CLI, DevTools, Project

CRUD and the Responsive Web: Bootstrap, Intro to Ruby, CRUD, ERB, Gems, MVC, Sinatra, ORM, SQL, API calls, ERD, Digital Ocean, Templates, REST, Project, Pair Programming

API Design and Consumption: Backbone.js, _.js, Ruby on Rails, Project, Building APIs, Agile Methodology (SCRUM), RSpec, Rails ERB, Heroku, TDD, Collaborative Git

Don't be so MEAN: Angular, Node.js, Portfolio, Express.js, Project: Full Stack, Jekyll, MongoDB, Jasmine

Weekly Course Schedule

	Monday	Tuesday	Wednesday	Thursday	Friday
9am	9 - 9:40am: Morning Exercise	9 - 9:40am: Morning Exercise	9 - 9:40am: Morning Exercise	9 - 9:40am: Morning Exercise	9 - 9:40am: Morning Exercise
	9:40am - 9:50: Standup	9:40am - 9:50: Standup	9:40am - 9:50: Standup	9:40am - 9:50: Standup	9:40am - 9:50: Standup
10am	9:50am -10: Break	9:50am -10: Break	9:50am -10: Break	9:50am -10: Break	9:50am -10: Break
11am	10am - 11:15am Block 1	10am - 11:15am Block 1	10am - 11:15am Block 1	10am - 11:15am Block 1	10am - 11:15am Block 1
	11:15am - 11:30: Break	11:15am - 11:30: Break	11:15am - 11:30: Break	11:15am - 11:30: Break	11:15am - 11:30: Break
12pm	11:30am - 12:45 Block 2	11:30am - 12:45 Block 2	11:30am - 12:45 Block 2	11:30am - 12:45 Block 2	11:30am - 12:45 Block 2
1pm	12:45pm - 2pm Lunch	12:45pm - 2pm Lunch	12:45pm - 2pm Lunch	12:45pm - 2pm Lunch	12:45pm - 2pm Lunch
2pm	2pm - 3:15pm Block 3	2pm - 3:15pm Block 3	2pm - 3:15pm Block 3	2pm - 3:15pm Block 3	2pm - 5:00pm Workshop & Weekend Introduction
3pm	3:15pm - 3:30pm: Break	3:15pm - 3:30pm: Break	3:15pm - 3:30pm: Break	3:15pm - 3:30pm: Break	
4pm	3:30pm - 4:45pm Block 4	3:30pm - 5:00pm Block 4	3:30pm - 4:00: Exit Tickets	3:30pm - 5:00pm Block 4	
5pm	4:45pm - 5:00: Exit Tickets		4:00pm - 5:00pm Outcomes w/Amy		
6pm	5:00pm - 8:00 Office Hours w/James & Marion	5:00pm - 8:00 Office Hours w/Tom & Marion	5:00pm - 8:00 Office Hours w/Marion	5:00pm - 8:00 Office Hours w/Marion	Weekend starts! :)
7pm					
8pm					

GA Chicago Library

As a student/alumni of the GA Chicago Community you have access to our campus library. It is located on the 5th Floor in SPACE in the **staff office**. Please ask a staff member to return books in or hand one off to you.

Authentication
We require the use of Github for authentication. Github accounts are free! You can sign up for an account here: https://github.com/join

Using our app and viewing the library's Titles
You may browse the books at http://ga-chicago-library.herokuapp.com/

Library Lending Policy and usage
You are allowed to have one book checked out for a maximum of three (3) business days. At any point, we may request a book to be returned; if **must** be on you if you are at on the General Assembly Campus. Once you have decided on a book to borrow, use the application listed above to "check out" the application. Once you return the book, open and the app again and you will be prompted to check your book back in. It is as simple as that! Note: You may continuously re-check a book out unless otherwise noted.

Contacting the library's administrators
If you need to make arrangements or would like to provide suggestions for the library, you may contact us via email at (jamest@ga.co). We understand that things happen and if something comes up, please reach out to us. We're here to assist you.

About the Github authentication
When you first browse to the application, you will be asked to authenticate with Github. This requires a page redirect. Some browsers trigger a prompt to the user to **allow** or **deny** this. Please select **allow** if you are prompted. You will be redirected to Github.com to authenticate on their secure (SSL) servers. After logging in, you will be redirected to the application to peruse the library.