



## Weekly Learning



### Resources

Helpful resources for you to use during your learning.



### Lesson 01 - Introducing Advanced Web Programming

- Introductions
- Expectations and Academic Misconduct
- The Average Class
- Course Syllabus and Outline
- The Internet, Requests, and the MEAN Stack
- ACTIVITY: Installing Node.js
- What is Node.js
- ACTIVITY: Hello World
- LAB: Intro to Express.js
- LAB: Cloud-based Hosting with Heroku
- Submitting our lab to BlackBoard



### Lesson 02 - Git & Getting started with Node

- Previous Week Review
- Quiz
- Quick setup in Git and GitHub
- What is Node.js
- Installing Node.js
- Hello World
- Intro to Express.js
- Lab: Cloud-based Hosting Heroku
- Submitting to Blackboard



### Lesson 03 - ES6 & NodeJS

- Previous Lab Review
- Quick Look at Javascript Syntax
- Blocking VS Non-Blocking Code
- Introducing ES6 Syntax
- Promises
- Node: A Little Deeper



## **Lesson 04 - Express**

- Promises
- Node: A Little Deeper
- Introducing Express
- The Express Generator: Our First App
- Changing the Text and SCSS
- Working with Data in EJS



## **Lesson 05 - Mongo**

- Review
- Quiz
- SQL VS NoSQL
- Installing and running Mongo
- Understanding JSON
- CRUD with Mongo CLI
- Models and Mongoose



## **Lesson 06 - Mongo 02**

- Setting up MLab
- Mongoose, Routes, Controllers, Views, and Models
- Partials
- Routes and CRUD