**Notes for Assignment 1 – Ron Swanson – CSC435**

**Requirements from assignment:**

A two page paper providing technical documentation on the following prompts:

Your experience creating a simple node.js script to serve a HTML file on a local server

Your experience creating and deploying the application using Heroku

The importance of Platform as a Service in full stack development

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Created local structure to save files to learn what process I want to follow before setting up git projects, (and waiting for class as there might be more specific instruction there)

*C:\mine\concordia\435notes\*

*Downloaded and installed eclipse*

**Your experience creating a simple node.js script to serve a HTML file on a local server**

**Use your favorite HTML editor (or get Notepad++) to create a HTML file that includes your name, the class, “Assignment 1”, and the date.**

Created html file for class1

**Install node.js locally from https://nodejs.org/en/download/ and write the appropriate code to load the .html file, created in the previous step.**

Downloaded/installed node from here:

https://nodejs.org/dist/v12.16.1/node-v12.16.1-x64.msi

Took the defaults and let it install dependencies

Used this documentation to create .js file to load the .html file I created.

<https://www.w3schools.com/nodejs/nodejs_filesystem.asp>

Ran the following to start up node using my .js file

C:\mine\concordia\435notes>*node class1.js*

Hit localhost:8080 in browser and verified that it displays my .html file.

**Download and install the official MongoDB driver, open the Command Terminal and execute the following:------- npm install mongodbreference:-** [**https://www.w3schools.com/nodejs/nodejs\_mongodb.asp**](https://www.w3schools.com/nodejs/nodejs_mongodb.asp)

Ran npm install mondodb instead as I couldn’t figure out what mongodbreference was.

*C:\mine\concordia>npm install mongodb*

*npm WARN saveError ENOENT: no such file or directory, open 'C:\mine\concordia\package.json'*

*npm WARN enoent ENOENT: no such file or directory, open 'C:\mine\concordia\package.json'*

*npm WARN concordia No description*

*npm WARN concordia No repository field.*

*npm WARN concordia No README data*

*npm WARN concordia No license field.*

*+ mongodb@3.5.4*

*added 20 packages from 11 contributors and audited 22 packages in 3.291s*

*found 0 vulnerabilities*

**Install Expressjs, a web application framework for Node.js ---- npm install express --save**

*C:\mine\concordia\435notes>npm install express --save*

*npm WARN saveError ENOENT: no such file or directory, open 'C:\mine\concordia\package.json'*

*npm WARN enoent ENOENT: no such file or directory, open 'C:\mine\concordia\package.json'*

*npm WARN concordia No description*

*npm WARN concordia No repository field.*

*npm WARN concordia No README data*

*npm WARN concordia No license field.*

*+ express@4.17.1*

*added 51 packages from 37 contributors and audited 189 packages in 6.841s*

*found 0 vulnerabilities*

**To connect to the MongoDB database we are going to use a module called Mongoose. We will need to install mongoose module just like we did with express. Go to your terminal and enter the following command. ---- npm install mongoose –save**

*C:\mine\concordia\435notes> npm install mongoose --save*

*npm WARN saveError ENOENT: no such file or directory, open 'C:\mine\concordia\package.json'*

*npm WARN enoent ENOENT: no such file or directory, open 'C:\mine\concordia\package.json'*

*npm WARN concordia No description*

*npm WARN concordia No repository field.*

*npm WARN concordia No README data*

*npm WARN concordia No license field.*

*+ mongoose@5.9.4*

*added 13 packages from 9 contributors and audited 385 packages in 4.26s*

*1 package is looking for funding*

*run `npm fund` for details*

*found 0 vulnerabilities*

**Signup for a free Github for your student development pack at https://education.github.com/pack to obtain a free Heroku hobby account.**

Setup github account and got access to Heroku, fairly painless.

Ran these commands, instructions were a bit misleading.

----npm i -g npx

----npx create-react-app my\_react\_project

----npm install redux

----cd my\_react\_project

----npm start

Googled a helloworld react app and found [this](https://reactjs.org/docs/hello-world.html) as sample to update the App.js file, and watched as the webpage updated after saving changes to file. Tried different edits to help understand how ReactDOM.render() worked with regards to the App() and displaying html.

**Your experience creating and deploying the application using Heroku**

Wanted to setup GIT integration, so I created a new project in my github account, so I made this: <https://github.com/reswanson/assignment-1>

I wanted to use eclipse, my last job used Intellij, but I used eclipse at my job before that.

So trying something different. Downloaded and installed git, eclipse and java.

<https://github.com/git-for-windows/git/releases/download/v2.25.1.windows.1/Git-2.25.1-64-bit.exe>

<https://www.eclipse.org/downloads/download.php?file=/oomph/epp/2019-12/R/eclipse-inst-win64.exe>

<https://www.oracle.com/java/technologies/javase-jdk13-downloads.html>

imported my\_first\_project into eclipse and committed to my newly created GIThub project.

Used these instructions for git/eclipse integration, created ssh key pair,

And added public key to Github profile