***Documentation Packet [ 12 18 11 22 ] Nov 18th, 22***

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| Student Name: |  |
| Goals:  1. Start preparing for the NOCTI    * Read/Write JSON Files    * Handle POST requests | Events:  1. - |
| Included Documentation  1. Weekly [Contribution / Study] 2. NOCTI Prep 01 3. Reflection | Required Documentation:  1. Weekly [Contribution / Study] 2. NOCTI Prep 01 3. Reflection |
| Changes/Notes:  * Weekly Study reduced this week | |

# Weekly Study

* You need to complete SIX chapters of Codecademy this week
* A "chapter" is a module of a course that contains at least two instances of Lessons, Quizzes, or Projects
  + Quizzes must score higher than 80% to be "complete"
* Seniors must start with Learn Intermediate Javascript, Juniors with Learn Javascript
  + If you have completed the two courses above, you may select any chapter from any course on Codecademy
* Screenshot proof of recently completed chapters/modules and place them in the “WeeklyStudy/FirstnameLastname” folder of this DocPac
  + If this directory does not exist, make it.
  + “FirstnameLastname” is YOUR name.
  + If a screenshot contains proof of more than one chapter, use Windows Snip Tool to highlight/circle the chapters you want credit for

# [S] Weekly Contribution

You must contribute for the csmith1188/formbar and document your contribution.

* Pick an open issue and have the Project Manager assign you to it.
* Submit a Pull Request from your working branch to the formbar RC branch
  + If the issue is too large to be reasonably completed by one person in a week’s time, create new issues to break the problem into smaller steps, link them in the original issue, and have this change approved by the Project Manager immediately.
* Have the Pull Request reviews and merged (or closed with approval) by the Project Manager at the next Code Review.
* Submit additional Pull Requests for other issues in separate branches.

In the box below, write the identifying number of every Pull Request you wish to be reviewed and graded:

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# NOCTI Prep 01

Goals:

* CREATE a valid JSON file manually
* READ and PARSE a JSON file in nodeJS
* STRINGIFY and WRITE a JS object to a JSON file
* Send html form data with a POST request, and parse the form data

Create a nodeJS/ExpressJS/EJS project that shows the user a page with a list of all users saved to a file, and an input field to submit new user names to add to the list.

* Create a nodeJS application in the “np01/FirstnameLastname” folder of this DocPac
  + If this directory does not exist. Create it.
* **Read a “.JSON” file from the root directory of the project**.
* Create a valid JSON file for the program to read
  + The JSON contains a list of “users” who have the properties “name” and “id”
* After reading the JSON file, parse the file data as a JSON object
* Using EJS, create a **.ejs** template that has:
  + An insert point for “users”
  + A form with one text input and a submit button
    - The submit button sends the form data to “/update”
* Create an ExpressJS HTTP server
* Add a GET endpoint at “/”
  + Respond with the **.ejs** template, with the JSON users object as the “users” insert point
* Add a POST endpoint at “/update”
  + If the text input for the new user’s name (from the “/” template) was empty, respond with an HTML message telling the user they need to add a name
  + If it was not empty, add a new user with the provided user name and an id that is equal to the length of the user list.
    - **Stringify the JSON user list and overwrite the JSON file you created with the string**
    - Respond with the **.ejs** template, with the JSON users object as the “users” insert point

Prepare your project quick testing. Remember that I have test DOZENS of these in a row, so keep the process as streamlined and intuitive as possible.

* Remove the node\_modules folder from your project
  + **YOUR PROJECT WILL BE REJECTED IF YOU COMMIT ‘node\_modules’**
* Create a batch file that does the following:
  + Installs the missing modules using “npm I”
  + Runs the project using “node”
  + Deletes the “node\_modules” folder after the node program is stopped

When complete, commit the project and create a Pull Request to the DocPac repo.

# [J] JS Canvas Game

Using Space Elves on Jetbikes or an online tutorial, create a new game that uses a game controller to move a character around a game field using Javascript <canvas>.

Add the files for this project to the “CanvasGame/<FirstnameLastname>” directory of this DocPac. If the directory does not exist, create it.

Create a new Pull Request to the DocPac repo. In the description, provide concise information on what you created, and how to test it.

# Reflection

**What is one technique you learned in your coding this week, and what kinds of things can you use it for (the more specifics the better) ?**

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**What was a challenge to your time management this week, and what can you do to avoid it in the future (specific plan) ?**

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**Why did you pick the specific Codecademy chapters or Project Issue that you did this week? How do you think it will benefit you in the future?**

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| 10 | You went above and beyond expectations. You applied knowledge that was not taught in this class in addition to what was taught. | * All assignments start at 9/10 possible points * 1 point is deducted per infraction   + Lateness   + Mistakes   + Unprofessionalism   + Not following instructions   + Etc. * Outstanding submission increase by 1 point and yield a pog. |
| 9 | You performed as well as can be expected for this class. You show a complete understanding and made no mistakes. You have mastered the subject. |
| 8 | Assignment is complete. You show a good understanding of the subject, but there are mistakes or minor incorrect details. You are ready to move to new subjects. |
| 7 | You show and understanding of the subject, but there are serious errors, or there are pieces you can practically use without understanding them. Remediation needed. |
| 6 | Assignment is incomplete but/or you showed that you understand at least the fundamentals of the subject. Assignment is low effort. Serious need of remediation. |
| 5 | You show minimum effort, assignment is incomplete, or have serious mistakes. You did not demonstrate that you understand the content or purpose of the submission. |
| 0 | The work was not submitted, damaged, seriously incorrect, or unprofessional. The submission is rejected. |

# Weekly Study

# DocPac/Reflection

# NOCTI Prep 01