***Documentation Packet Week Ending [Jan28th]***

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| Team: \_\_\_\_\_\_\_ | Student: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

# Goals:

* Review Reading/Writing to JSON files for Exam
* Pass Exam
* Prepare DocPac Binders for grading and review

# Included Documentation

* Exam Preparation (pg. 2)
* DocPac Binder Audit (pg. 2)
* Lesson Key Take-aways



*  Reward System Brainstorm
* Reflection (pg. 3)

# Required Documentation

*  Lesson Key Take-aways
*  Reward System Brainstorm
* Reflection (pg. 3)

# Changes:

* None

# Events:

* Jan 25th: Weekly Review
* Jan 25th: [Lesson] JSON Read/Write
* Jan 27th: Exam
* Jan 28th: DocPacs Due

# Exam Preparation Progress Report

You must write a program capable of doing all of the following things:

* Initialize a NodeJS project in a chosen folder
* Install and import ExpressJS into your node application
* Configure ExpressJS to use EJS as its view engine
* Configure ExpressJS to parse URL-encoded POST data
* Create a GET request endpoint handler in ExpressJS
  + Must respond to user with a rendered EJS template
  + Must be able to insert data into the template in the response
* Create a POST request endpoint handler in ExpressJS
  + Must respond to user with a rendered EJS template
  + Must be able to insert data into the template in the response
* Create at least two EJS templates with data insertion points
  + One of them must contain an HTML form to send data to a POST endpoint
* Read data from a “.json” file
* Convert JSON data from a “.json” file into a Javascript Object
* Create and manipulate JS objects and their **properties**
* Create, and add data to a JS array
* Use **for loops** in Javascript and EJS
* Convert Javascript objects to JSON strings
* Write/append JSON data to a “.json” file

Create a series of notes that can help you pass this exam. Any notes you wish to use on the Exam must be approved by the instructor beforehand. Not all notes will be accepted.

# DocPac Binder Audit

Your DocPac Binder is to be organized as follows:

* All DocPacs from Sep03 to Jan07 must be present
  + If you have submitted Jan14 and Jan21, they are not required to be in your binder, because I still have them.
  + If you have not submitted Jan14 or Jan21, they will count as missing unless they are present in your DocPac Binder
* All DocPacs must be in order of date, from earliest to most recent
* All included documentation in each DocPac must be *inside* of its associated DocPac. No loose papers are to be in the binder
* DocPacs must be undamaged with all three holes intact. Replace all damaged DocPacs
* Failure to comply will result in your Binder being rejected
* Submit this week’s DocPac inside of your DocPac Binder

# Reflection

**What was one lesson you taught yourself this week?**

* You do not have to write about something you learned in *this* class.
* It cannot be something any of your teachers taught you
* It can be something inspired by something a teacher has taught you
* It must be something you can apply to your life, not just other schoolwork
* *In other words, don’t tell me about what you learned in science about molecules*

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**How valuable is that lesson, and how can you use it in the future?**

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**What do you think of the lessons/activities in the class this week?**

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# Grading

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|  | Complete | Followed Instructions |
| Reflection | ❑ | ❑ |
|  | Complete | |
| Exam | (Manual Grading) | |
|  | Complete | |
| C:\Users\csmith\AppData\Local\Microsoft\Windows\INetCache\Content.MSO\6867D38F.tmp Lesson Key Take-aways | ❑❑ | |
|  | Complete | |
| C:\Users\csmith\AppData\Local\Microsoft\Windows\INetCache\Content.MSO\6867D38F.tmp Reward System Brainstorm | ❑❑ | |
|  | Present / Undamaged / Followed Instructions | |
| DocPac Binder | ❑❑❑❑❑❑ | |