***Documentation Packet Week Ending [Jan 21st]***

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

# Goals:

* Prepare for Exam
* Pass Exam

# Included Documentation

* Exam Preparation (pg. 2)
* Reflection (pg. 3)

# Required Documentation

* Reflection (pg. 3)

# Changes:

* None

# Events:

* Jan 18th: Weekly Review
* Jan 19th: [Lesson] Exam Prep
* Jan 20th: Exam
* Jan 21st: 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.

# 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 | ❑❑❑❑ ❑❑❑❑ | |
|  | Undamaged | |
| DocPac Condition | ❑ | |