***Documentation Packet Week Ending [Feb 11th]***

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

# Goals:

* Correct errors from previous week’s Nocti flowcharts
* Solve a variety of Javascript problems that may appear on the Nocti
* Create an SQL database from your DocPac data
* Create a web interface to search the DocPacs SQL database

# Included Documentation

* Single: Nocti Flowchart Preparation (pg. 2)
* Teams: DocPac SQL Database (pg. 2)
* Teams: DocPac Web Interface (pg. 2)
* Reflection (pg. 3)

# Required Documentation

*  Single: Nocti Flowchart Preparation (pg. 2)
* Teams: DocPac SQL Database (pg. 2)



* Download from cloudTeams: DocPac Web Interface (pg. 2)
* Reflection (pg. 3)

# Changes:

* Points for grading system shown

# Events:

* Feb 7th: Weekly Review
* Feb 10th: [Lesson] Professionalism
* Feb 11th: DocPacs Due

# Nocti Flowchart Preparation

Create a flowchart that satisfies the requirements of Design Program Logic in the Performance portion of the NOCTI Exam Study Guide. Print this flow chart out and submit in this DocPac.

Each step much be explained in detail. A developer should be able to translate each step into working code.

# DocPac SQL Database

Convert your CSVs or JSON data you created last week into a working SQL database using SQLite3. It is highly recommended that you create a reusable function in a nodeJS script that can convert each entry for you.

Each category (Excel sheet or CSV) should be its own database table with the same headers, with the inclusion of an “id” header which is an *auto-incrementing*, *not null* and *a primary key*.

# DocPac Web Interface

Create a web application in nodeJS that can search the DocPac SQL Database for all DocPac data contained in a DocPac of a provided date, or all entries from a selected category. Display all of the results when the user searches.

# Submitting DocPac Digitization Assignments

Submit both assignments in a single Pull Request to the DocPac Gtihub Repository.

* “node\_modules” must be excluded from the PR. Use .gitingore
* “package.json” must have the correct packages, so that running “npm i” will install all required packages
* Launching the program must show the port the web service in console
* Any other features that make it faster and easier to test will be bonus
* I will reject projects that take too long to configure and launch
* **ALL MEMBERS OF THE TEAM MUST HAVE AT LEAST ONE COMMIT IN THE HISTORY LIST CONTRIBUTING CODE TO THE ASSIGNMENT TO RECEIVE CREDIT.**

# Reflection

**What is one lesson you learned this week that was not taught in any of your classes?**

* 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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|  | +5 | You went above and beyond expectations. This tier will increase your overall score for the quarter, in addition to this DocPac. |
|  | +3 | You performed as well as expected for this class. This tier is the maximum score for this DocPac. |
|  | +2 | You show minimum effort, insufficient understanding, or have serious mistakes. This is the minimum passing tier for this DocPac. |
|  | 0 | The work was not submitted, damaged, seriously incorrect, or unprofessional. This is the failing/rejected tier. |

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| |  |  |  | | --- | --- | --- | |  |  | Reflection | | ❑ | S | Insightful and thoughtful | | ❑ | A | Good reflection | | ❑ | C | Did not follow directions | | ❑ | F | Did not complete | | |  |  |  | | --- | --- | --- | |  |  | Nocti Flowchart Preparation | | ❑ | S | Above expectations | | ❑ | A | Complete | | ❑ | C | Errors | | ❑ | F | Incomplete | |
| |  |  |  | | --- | --- | --- | |  |  | DocPac Digitalization | | ❑ | S | “Elegant” Solution | | ❑ | A | Complete | | ❑ | C | Errors | | ❑ | F | Incomplete | | |  |  |  | | --- | --- | --- | |  |  | DocPac Condition | | ❑ | +3 | You had a PR accepted | | ❑ | +1 | Neatly folded. Undamaged | | ❑ | 0 | Bent corners, creases, stains | |
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