***Documentation Packet Week Ending [Feb 4th]***

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

# Goals:

* Understand requirements for flow charts for Nocti
* Solve a variety of Javascript problems that may appear on the Nocti
* Prepare DocPac Data for analysis

# Included Documentation

* Single: Nocti Flowchart Preparation (pg. 2)
* Teams: DocPac Digitalization (pg. 2)
*  Pairs: Javascript Challenge #7
*  Pairs: Javascript Challenge #8
* Reflection (pg. 3)

# Required Documentation

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



*  Pairs: Javascript Challenge #7
*  Pairs: Javascript Challenge #8
* Reflection (pg. 3)

# Changes:

* New grading system (see pg. 4)
* Single: This assignment should only be completed by you. Do not share.
* Pairs: Only one or two people may complete this assignment. Do not share.
* Teams: Your whole team can complete and share this project with each other.

# Events:

* Jan 31st: Weekly Review
* Feb 4th: 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.

# DocPac Digitalization

At the end of the year, an audit must be run on the DocPacs to analyze the effectiveness of this year’s course. To facilitate this process, data analysis tools must be built and used. The first step of this process is putting the data in a searchable format. This project consists of three key components:  
*Data Input, Data Ingestion, and Searchability*

Before beginning, make sure your fork of the DocPac Github Repo is up to date. Submit by submitting a Pull Request from your fork to the DocPac Github Repo containing all of the requirements below. Each team member must submit for credit.

## Data Input

Create a spreadsheet in the root directory of the DocPac Github Repo. This spreadsheet will have five sheets, each with an associated column:

**Goals:**

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| --- | --- |
| DocPac date in MMMDD (i.e. “Feb07”) | Goal text |

**Included Documentation:**

|  |  |  |
| --- | --- | --- |
| DocPac date | Type (Printed, pg. 2, etc) | Assignment Name |

**Required Documentation:**

|  |  |  |
| --- | --- | --- |
| DocPac date | Type (Printed, pg. 3, etc) | Assignment Name |

**Changes:**

|  |  |
| --- | --- |
| DocPac date | Changes text |

**Events:**

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| --- | --- | --- | --- |
| DocPac date | Event date | Event Type | Event text |

Fill in the sheets with all of the data from all previous DocPacs. Create a new folder in the repo called ‘Export’ and export each sheet to a CSV file (preferably with ‘|’ delimiters).

## Data Ingestion

Create a new NodeJS project in the ‘Exports’ folder. This program must open each CSV file and create an object with the appropriate properties and data types for each row.

## Searchability

In the NodeJS project, create functions that search all of the data imported from the CSV files as notes above.

* One function to return an object that is all of the information in a DocPac from a given DocPac date.
* A function for each CSV that has a “Type” column, that returns a list of all rows that have the provided type.

# 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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|  | You went above and beyond expectations. This tier will increase your overall score for the quarter, in addition to this DocPac. |
|  | You performed as well as expected for this class. This tier is the maximum score for this DocPac. |
|  | You show minimum effort, insufficient understanding, or have serious mistakes. This is the minimum passing tier for this DocPac. |
|  | 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 | |
| |  |  |  | | --- | --- | --- | |  |  | JavaScript Challenge #7 | | ❑ | S | “Elegant” Solution | | ❑ | A | Complete | | ❑ | C | Errors | | ❑ | F | Incomplete | | |  |  |  | | --- | --- | --- | |  |  | JavaScript Challenge #8 | | ❑ | S | “Elegant” Solution | | ❑ | A | Complete | | ❑ | C | Errors | | ❑ | F | Incomplete | |
| |  |  |  | | --- | --- | --- | |  |  | DocPac Digitalization | | ❑ | S | “Elegant” Solution | | ❑ | A | Complete | | ❑ | C | Errors | | ❑ | F | Incomplete | | |  |  |  | | --- | --- | --- | |  |  | DocPac Condition | | ❑ | S | You had a PR accepted | | ❑ | A | Neatly folded. Undamaged | | ❑ | C | Undamaged | | ❑ | F | Bent corners, creases, stains | |