***Documentation Packet Week Ending [Mar 18th]***

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

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| Goals:  * Study for Exam 3 * Create PowerPoint Presentation * Complete last week’s flashcard program * Build your own DocPac | Events:  * March 14th: Weekly Review * March 18th: DocPacs Due |
| Included Documentation  * Individual: Reflection (pg. 3) * Individual: Exam 3 Prep (pg. 2) * Icon    Description automatically generated Individual: Lesson Notes | Required Documentation  * Individual: Flashcard Program  * Icon    Description automatically generated Individual: DocPac Creation * Icon    Description automatically generated Individual: Lesson Notes * Download from cloud Individual: Exam 3 Prep (pg. 2) |
| Changes:  * Student created DocPac | |

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| **Table 1** |
| Teams  * Christian Boldt, Saimye Dennis, Tyler Rich, and Jaysin Haugh are considered to be Team B for the sake of assignment submissions this week. * John Eckert, Abbygail Caron, and Logan Hiller are considered to be Team E for the sake of assignment submissions this week.  Github Submissions  * “node\_modules” must be excluded from the PR. Use .gitingore *AND TEST IT*.   + Make sure no files from a node\_modules folder are in your Changes before you commit * Pull Requests can only change files and DocPacs related to this DocPac * Pull Requests can only contain commits from you |

Exam 3 Preparation Assignment

* Start a nodejs project
* Install EJS and expressjs
* Set EJS as view engine
* Allow expressjs HTTP server to read URL-encoded post data
* Read a “.json” file and parse it into an object called data
* Create a GET **/createorder** returns an EJS template with an HTML form containing the following:
  + Text Box: **Customer Name**
  + Submit Button that POSTs to /createorder
* Create a POST **/createorder** returns an EJS template with the following decisions:
  + If the **Customer Name** text box were blank, return a message to the user telling them they left the field blank
  + Otherwise, create a new object with the following properties, and push it into the **data** object’s **orders** array, then return a message telling them “Order X was created” (X is the **ordernumber** property below)
    - **ordernumber** is the length of the **data** object’s **order** property
    - **customername** is the provided **Customer Name**
    - **items** is an empty array
  + Save it to the **data.json** file
  + Create a button that links back to ‘/’ endpoint
* Create a GET **/itemadd** returns an EJS template with an HTML form containing the following:
  + Text Field: Order Number
  + Text Field: Item Name
  + Text Field: Quantity
  + Text Field: Price
  + Submit Button that POSTs to /itemadd
* Create a POST /**itemadd** returns an EJS template with the following decisions:
  + If the any of the text fields were blank, return a message to the user telling them they left one of the fields blank
  + If the order number is not between 0 and the amount of orders, return a message telling the user that order doesn’t exist
  + Otherwise, create a new object with the following properties, and push it into the **items** array of the **orders** element whose index is theprovided **Order Number** in the **data** object.
    - **itemname** is the value of **Item Name**
    - **quantity** is the provided **Quantity**
    - **price** is the provided **Price** rounded to the nearest penny
  + If the order number was provided:
    - For each item in the **items** array for the provided order number:
  + Convert the **data** object to a JSON string, and save it to the **data.json** file
  + If all form data was valid, return a message to the user saying the item was added successfully and log a message to the console
  + In either case, add a link back to **/** and /itemadd

# Reflection

**[First Day] What did you take away from the Weekly Review this week?**

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**[First Day] How do you feel going into this week? What can you do to prepare to succeed?**

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**[Last Day] What was a significant challenge you had this week? How did you overcome it, or how will you overcome something like it happening in the future?**

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**[Last Day] 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 | | |  |  |  | | --- | --- | --- | |  |  | DocPac Condition | | ❑ | +3 | You had a PR accepted | | ❑ | +1 | Neatly folded. Undamaged | | ❑ | 0 | Bent corners, creases, stains | |
| |  |  | | --- | --- | | Pull Request # |  | | to repo/branch: |  | | from repo/branch: |  | | |  |  |  | | --- | --- | --- | |  | Download from cloud | Flash Card Program | | ❑ | S | Exceeds Expectations | | ❑ | A | Good reflection | | ❑ | C | Did not follow directions | | ❑ | F | Did not complete | |
| |  |  |  | | --- | --- | --- | |  |  | Student DocPac Pt. 5 | | ❑ | S | Exceeds Expectations | | ❑ | A | Meets Expectations | | ❑ | C | Serious Errors | | ❑ | F | Did not complete | |  |  | Student DocPac Pt. 7 | | ❑ | S | Exceeds Expectations | | ❑ | A | Meets Expectations | | ❑ | C | Serious Errors | | ❑ | F | Did not complete | | |  |  |  | | --- | --- | --- | |  |  | Student DocPac Pt. 6 | | ❑ | S | Exceeds Expectations | | ❑ | A | Meets Expectations | | ❑ | C | Serious Errors | | ❑ | F | Did not complete | |  |  | Student DocPac Pt. 8 | | ❑ | S | Exceeds Expectations | | ❑ | A | Meets Expectations | | ❑ | C | Serious Errors | | ❑ | F | Did not complete | |