***Documentation Packet [ 27 07 03 25 ] Mar 7th 2025***

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| Student Name: |  |
| Goals:  1. Continue Work in Companies 2. Practice Flow Charts for NOCTI | Events:  1. None |
| Included Documentation  1. Weekly Scrum 2. NOCTI Flow Charts 3. Reflections | Required Documentation:  1. Weekly Scrum 2. NOCTI Flow Charts 3. Reflections |
| Changes/Notes:  1. Change to Reflection Rubric | |

# Weekly Scrum

If you have been hired into a company, follow these steps to complete a scrum meeting:

1. Show up to the SCRUM meeting on time. The time and date will be announced at the beginning of the week. It will always be the first day we have time to conduct the meeting. Variations in school schedule may change this.
   1. Be prepared for the meeting. Bring your charged laptop and writing materials.
2. Be prepared to demonstrate the work you completed the week before on your laptop
3. Before arriving to the meeting, make sure your previous week’s Issue has been updated on the Github Repo.
   1. Issue is marked as closed if finished and ready for testing
   2. Issue has been moved to the correct KanBan column
   3. A well-documented Pull Request has been submitted mentioning the issue
   4. All problems that arose while working on the Issue are well documented on the Issue
4. Be prepared to suggest what work you will work on this week.
   1. Issue exists and describes the problem thouroughly
5. When assigned an Issue, document it completely
   1. Assign the Issue to your account
   2. Make sure all details of the Issue are in the description/discussion
   3. Put the Issue in the correct column of the KanBan board
6. Document your company name and Issue # on the rubric on the back of this DocPac

# NOCTI Flow Charts

To practice the first half of the performance portion of the NOCTI, write a flow chart for each of the problems below. Be sure to use the correct shapes and conventions as taught in class. Remember to use *pseudocode* to describe the steps. Use Microsoft Visio to create the flow chart. Each flow chart should be on it’s own “page” in Visio. When complete, Print to PDF. Name the file “FirstnameLastname.pdf”, where Firstname is your first name and Lastname is your last name. Put this file into a folder called “NOCTIFlowCharts” (the exact spelling and capitalization of this assignment without spaces) inside of this DocPac folder. Commit and submit a Pull Request.

## Times Tables

1. Get a number as input from the user
2. For each number from 1 to 10, output the user number multiplied by that number

## Password Checker

1. Get a password string input from the user
2. Check to see if all of the conditions are true. Add one to a “strength score” for each condition that is true:
   1. The string has at least 8 characters
   2. The string contains lowercase letter
   3. The string contains an uppercase letter
   4. The string contains a number
   5. The string contains a special character
3. Check the strength score and output a score name according to the table below:

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| --- | --- | --- | --- | --- |
| 5 | 4 | 3 | 2 | 1 |
| Alpha | Sigma | Beta | Cringe | Unacceptable |

## Ages From List

1. Open a given file and store the CSV contents to a list of objects (people and their brithdays)
2. Prepare all variables for calculating an average and a date
   1. Today’s date, converted to epoch time
   2. Number of people counted
   3. Total value of people’s ages
3. For each person in the list:
   1. Convert their birthday to epoch time
   2. Calculate their age
   3. Add their age to the total value of people’s ages
   4. Increase the number of people counted
4. Calculate the average age of people in the list
5. Output how many people are in the list and what their age is

## GPA Calculator

1. Get a list of Letter Grade and Credit Value pairs from a list
2. Prepare to calculate averages (see above)
3. For each data pair, calculate the grade points and the total cumulative course credit value
4. Output the GPA

# Reflection

**What was one mistake you made in school or otherwise that you can recognize? What can you do in the future to prevent it from happening again?**

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**How has collaborating in your team been so far? What is going well, and what is not poorly? How**

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**What do you think is the biggest thing holding you back from developing a career or developing your skills as a programmer? What can you change to fix this?**

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# A picture containing text, monitor, screen, clipart Description automatically generatedGrading

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| 10 | You went above and beyond expectations. You applied knowledge that was not taught in this class in addition to what was taught. Additional rewards are given | * ***If the assignment does not have its own rubric, it will default to the rubric on the left.*** * All assignments start at 10/10 possible points * 1 point is deducted per infraction   + Lateness   + Mistakes   + Unprofessionalism   + Not following instructions * Outstanding submissions, or submissions on assignments not marked in “Required Documentation” can reward pogs |
| 10 | You performed as well as can be expected for this class. You show a complete understanding and made no mistakes. You have mastered the subject. |
| 8 | Assignment is complete. You show a good understanding of the subject, but there are mistakes or minor incorrect details. You are ready to move to new subjects. |
| 7 | You show and understanding of the subject, but there are serious errors, or there are pieces you can practically use without understanding them. Remediation needed. |
| 6 | Assignment is incomplete but/or you showed that you understand at least the fundamentals of the subject. Assignment is low effort. Serious need of remediation. |
| 5 | You show minimum effort, assignment is incomplete, or have serious mistakes. You did not demonstrate that you understand the content or purpose of the submission. |
| 0 | The work was not submitted, damaged, seriously incorrect, or unprofessional. The submission is rejected. |

# NOCTI Flow Charts

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| **1** | Submission Directions |  |
| **2** | Times Tables |  |
| **3** | Password Checker |  |
| **4** | Ages From List |  |
| **5** | GPA Calculator |  |
| **6** | Overall Neatness/Readability |  |

# DocPac and Reflection *DocPac Submission Rules, DP09*

|  |  |  |
| --- | --- | --- |
| **1** | DocPac is turned in on time |  |
| **3** | a. DocPac is neatly folded |  |
| **3** | b. DocPac is not stained or damaged |  |
| **3** | c. No doodles, scribbles, or unnecessary writing |  |
| **4** | a. Answered each question in each prompt fully (no short answers) |  |
| **4** | b. Spelling and handwriting |  |
| **4** | c. No repeated answers from other DocPacs |  |
| **4** | d. Did not paraphrase assigned work |  |
| **6** | You are prepared to justify the use of any AI (you know what it does and why) |  |

# Weekly Scrum Company:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Issue:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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| **Wrapping up previous week** | | | | |
| Was prepared for the meeting with the proper materials (laptop, notebook, on time) | Was prepared to demonstrate complex work completed on laptop | No preventable delays occurred in the previous week’s work | Issue was completed. Issue, Project, and Pull Request all updated and documented correctly | Problems and delays from the previous week were well documented on the Issue |
| **Preparing for next week** | | | | |
| Was ready to describe work anticipated for the next week, with an Issue created. | Issue was created, assigned, on the Project Board, and clearly outlines the work for the next week | DocPac was filled out with all of the required information properly |  |  |