**CS Projects – Fall 2021**

**Weekly Updates**

(must fill-in your info with blue color or in CAPITAL LETTERS)

Student “Class Key”: \_\_S21 – 20\_\_\_\_ Weekly Update # \_\_\_08\_\_\_ Date: \_\_04\_\_ /\_08\_ /2021

Student Name: \_\_\_\_\_\_\_\_\_\_\_\_MATTHEW MORFEA\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Company/Unit internship site) \_\_\_\_\_\_\_\_\_\_\_\_SUNY NEW PALTZ: CPS485-01 - PROJECTS\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Short Description of the Problem/Task \_WEEK 8 IMPLEMENTATION OF SOFTWARE AND TESTING (CONT.)

a) PROGRESS during the week, what you have been working on and/or accomplished (by area, if applicable):

* Problem Study/Discovery:

Over the past week I have been working on and testing different portions and problems of the code. This included fixing some file i/o problems between the back end and front end of Disk Scheduling. I had download and learn to use XAMPP in order to simulate a live server on my local host in order to accomplish a testing site for file i/o. This was done through learning file i/o on the front end of a website.

* Design:

I have continued to design the software and research different pseudocode designs in order to implement different connections between the front end and back end of Disk Scheduling portion of the website. This was also done by consulting with my group on their implementations of file i/o and pseudocodes.

* Implementation:

Many different portions of the code were updated, and more codes were implemented during this week’s process of implementation and testing. Implementation of File i/o was the main goal, although this also had to deal with local hosting and hosting on the server itself. I implemented the file i/o portion to the front end and back end, this was one of the last main implementations needed to create a rough / whole working version of my code. Further updates to the buttons and the functions calling on reading the algorithms were added in order to make the code flow. You can see its progress into a fully working code now clearly. Buttons and displaying the backend requests were updated and added.

* Test:

Testing on the File i/o portion of the code was the main goal of this week, and I believe I was successful in implementing this feature. Various data sets were tested from different folders located on the back end. The only thing to be implemented now is the running of the java methods needed to edit the input.txt and output.txt files discretely on the backend. This will take further testing.

* Documentation:

No further documentation was written this week, other than this weekly update, displaying what has been done over the course of the past week.

* Other (any other activities, such as talking to customers, attended a meeting, …):

Attended a weekly class meeting to discuss updates on our code and debug and implement different File i/o functions. This included the setup of a local host on my machine through XAMPP, then later added file i/o functions to the live server. Web design and formatting ideas were mentioned, which will lead into next weeks activities.

b) Technology/Skills/Methods LEARNED or LEARNING:

Used new knowledge of File i/o techniques on the front-end in order to add new features. Downloaded and learned to use XAMPP, a technology that allows the developer to locally host a simulated webserver to further test file i/o problems. Further investigations into front end and back end connections, like XMLHttprequests, and some .php research. Further research into web design techniques.

c) PLAN for next week:

Next week, I plan to work on further testing and debugging of the current codes I have implemented, in order to ensure a better experience for the user. I also plan to make Disk Scheduling appear as a better web layout and GUI for the user, as it is using only bland HTML and little CSS for the current view. Working on styling will be the focus of next week’s activities.