

DAILY JOURNAL

IMPORTANT INFORMATION

- INCLUDE TASK ASSIGNMENTS OR MOVEMENTS, REFLECTION ON THE DAY'S NEW LEARNING, ACCOMPLISHMENT, CHALLENGES FACED AND HOW YOU RESPONDED, OBSERVATIONS AND RECOMMENDATIONS ON THE IMPROVEMENT OF SYSTEMS / OPERATION / MANAGEMENT, ETC.
- SCANNED COPIES OF THIS FORM SHALL BE SUBMITTED ON A WEEKLY BASIS THROUGH APPROVED LMS.
- HARD COPIES OF THIS FORM SHOULD BE COMPILED AS PART OF THE STUDENT'S PORTFOLIO.

DATE	5/15/2023	AREA ASSIGNMENT	B&HI Segment RnD Department
TASK	Presented Module, Updated module based on feedback	SHIFT/TIME	8:23 AM to 5:41 PM

In the morning I set up and finalized the auto-updater module before I present it to my supervisor. While waiting I continued the mapping of database tables for the headers, details, and payment for the POS transactions. I then presented my progress on my module and Sir Allan had a lot of feedback.

First, it should not need any intervention (yes/no) and will just automatically perform the updates. Next, he told me that it was good that I compressed the backup but I should not backup the whole folder, only backup the files that are updated. Next backups older than the AutoCleanupDaysLimit field in the database which is currently set to 90 should be deleted. Furthermore, since this will be running on startup and updating the terminal, it should call the executable of the terminal after searching for updates. Moreover, there should be a facility for restoring backups. Lastly, I should update the UI since this will be used in production.

Today I was able to automatically perform updates on startup without any intervention, call the POS executable after updates and hide the program in the system tray, and delete old backups. With that in mind, I am happy to be able to develop something that will actually be beneficial as it automates something that is currently being done manually and will be used in the production environment of the system which is my first time.


TRAINEE'S SIGNATURE

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DATE	5/16/2023	AREA ASSIGNMENT	B&HI Segment RnD Department
TASK	Presented Module, Updated module based on feedback	SHIFT/TIME	8:25 AM to 5:42 PM

I first fixed the implementation of for the backup. I changed it from backing up everything inside the folder to only backing up the files to be changed. I was able to do this by first checking if the file from the server is existing on the terminal, if it is, the version on the terminal is first backed up before it is overwritten. I had a bug where in only the files on the update folder is being checked. I had a hard time fixing this because of the need to not only check the files, but also check the sub folders. I fixed this by implementing a recursive function where in it will recursively traverse all of the folders and its subfolders until all the files have been checked.

In the afternoon I fixed the implementation of running the barter system after the updates and hiding the updater program in the system tray. Next, I implemented the restore from backups being able to show current backups and be able to select which backup to use and restore its files.

I am happy as I was able to finish the initial implementation although I feel that my code still has room for improvement. I feel that it is important to first write out the code even though it may be messy at first. Always trying to write the best code while still figuring out the problem can cause you to overthink and not get things done. It is better to try something that may work but may not be the most efficient as this will give you an idea how to approach the problem and think of better solutions.



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DATE	5/17/2023 – 5/19/2023	AREA ASSIGNMENT	B&HI Segment RnD Department
TASK	Develop Point-of-Sale Auto Updater Module	SHIFT/TIME	8:30 AM to 5:30 PM

5/17/2023

Today I added a progress bar to the auto updater module to be able to better notify the user of the progress of the updates from the server to the terminal. Next, I was able to improve the code of the module by refactoring it and segregating the update and restoring backup code for separation of concerns. This makes the main form cleaner and only handle user interface logic. Since I have refactored by code, I have finished the main functionality of the module and my next task is to update the design to match the main program since this will be used in production.

5/18/2023

Today I was preparing for our Capstone Defense for tomorrow May 19, 2023. My supervisor Sir Allan allowed me I could time in as long as I complete my tasks. What I plan to do is to accomplish the remaining tasks I have to do on the Barter point-of-sales terminal auto updater module which is its design since I have already finished the main functionality over the weekend.

5/19/2023

Today our Capstone defense which was scheduled to be on 11:00 AM to 3:00PM was reschedule to May 21, 2023. In the afternoon I continued working on the auto updater module. I changed its design and color to match the main program. With that in mind, I plan to present my progress to Sir Allan in the afternoon on Monday after our capstone presentation.


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