

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.

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|------|--|-----------------|-----------------------------|
| 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 |

Software Development

- Continued the mapping of database tables for the headers, details, and payment for the POS transactions.
- Presented the 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. Only backup the files that are updated. Backups older than 90 days should be deleted. Should call the executable of the terminal after searching for updates. There should be a facility for restoring backups. Update the user interface since this will be used in production.
- Updated module to automatically perform updates on startup without any intervention.
- Able to implement calling the POS executable after updates and hide the program in the system tray and delete old backups.
- 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 |

Software Development

- 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.
- Implemented a recursive function where in it will recursively traverse all of the folders and its subfolders until all the files have been checked.
- Fixed the implementation of running the barter system after the updates and hiding the updater program in the system tray.
- Implemented the restore from backups being able to show current backups and be able to select which backup to use and restore its files.



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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

Software Development

- 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.
- Improved 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.
- Updated the design to match the main program since this will be used in production.

5/18/2023

Software Development

- 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

Software Development

- Continued working on the auto updater module.
- Changed its design and color to match the main program.
- I plan to present my progress to Sir Allan in the afternoon on Monday after our capstone presentation.



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