MCL
Malayan Colleges Laguna
A MAPÚA SCHOOL

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.
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DATE	4/11/2023	AREA ASSIGNMENT	B&HI Segment RnD Department
TASK	Finished Reports and Excel, Improvements, Documentation	SHIFT/TIME	8:27 AM to 5:47 PM

Software Development

- Finished all the initial implementation for the crystal reports and export to Excel for all the filtering options.
- Presented progress to my supervisor on my 2 modules. He had some suggestions which I took note of and some functionality that he wants me to add.
- Implemented the additional functionality of saving and retrieving the settings of the user in the registry so that their last selected values will be saved and loaded on runtime.
- Implement the styling suggestions of Sir Allan on my export to Excel implementation to reduce code redundancy.

Technical Documentation

- Started the development documentation and my supervisor will check my progress by Friday afternoon.

Miscellaneous

- Discussed the training plan with my supervisor which would be composed of software development and technical documentation.
- Went to school to get my pre-employment documents signed.
- Supervisor told me if my performance and attitude are good in this practicum, he might recommend me if I decide to apply to iRipple after graduation as they are in need of developers.

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DATE	4/12/2023	AREA ASSIGNMENT	B&HI Segment RnD Department
TASK	Bug Fixes, Testing with different data, Styling of Reports	SHIFT/TIME	8:22 AM to 5:45 PM

Software Development

- Fixed most of my crystal reports and export to excel functionalities.
- Fixed my queries and verified their values and found that my query was wrong. I was checking my reports with a small data set as I forgot that this was an older system. Tried a larger data and found that my queries returned different results from the sample forms.
- Finalized the styling of my crystal reports so that it is able to accommodate larger numbers.

Miscellaneous

- Learned that you should always check your code with different data sets. I was fixated on trying my functionalities on a single smaller data set that I was not able to fully verify its correctness.
- Realized that when debugging you should always use tools to make your life easier. For example, having breakpoints in order to see the flow of data and logic in your code.

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DATE	4/13/2023	AREA ASSIGNMENT	B&HI Segment RnD Department
TASK	Bug Fixes, Main Program to developed Module Parameters	SHIFT/TIME	8:24 AM to 5:57 PM

Software Development

- Fixed the need for administrative permissions when retrieving from and saving to the registry. Now it would always prompt the user to restart the program with admin access when the user account is not yet an admin.

- Fixed the payment type query and it now returns the correct values.

- Initial implementation of the passing off parameters to a .exe file. Main program is created in VB6, and then the needed parameters such as connection string, user data, and site data for the report module to function are given as parameters.

- Since I do not have access to the source code of the main program, I created my own report caller. The sequence is as follows: Main program -> get global parameters needed -> click on report -> get parameters needed for report -> pass to report -> use parameters on the report.

Miscellaneous

- Realized the hardship of working on a codebase that you did not create from scratch. This is because you do not know all the ins and out of the program and you have to conform to their standard on how to do things. This restricts your implementation and makes you think about it a lot more.

- Realized the need for easy-to-read and reusable code that is maintainable. This is because you are not the only one looking at that code and it needs to be easily understood and simple enough when others take a look at it.

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DATE	4/14/2023	AREA ASSIGNMENT	B&HI Segment RnD Department
TASK	Bug Fixes, Refactored Code, Technical Documentation Draft	SHIFT/TIME	8:27 AM to 6:03 PM

Software Development

- Fixed the argument delimiter issue by encapsulating the arguments in double quotes. C# uses spaces as delimiters and the connection string was being cut off.

- Refactored my first barter form (POS Sales Journal Summary) and moved the generating of SQL query from the report form to the database commands file to separate the logic of creating the query and getting the data from generating the report form.

- Refactored the POS Sales Journal Summary and added passing of arguments from the main program.

- Fixed the bug of the sales-only report filter as its crystal report had incorrect terminal, site, and grand totals. Double-checked and confirmed all other filters to be having correct values.

Technical Documentation

- Created an initial draft of the technical documentation.

- Had a hard time as I have little experience in creating documentation for the code that I wrote.

- Was not sure which parts to include and furthermore I realized that I should be documenting my code as I am writing it so that I do not have a hard time remembering the approaches and dependencies of the code that I wrote.

- Will get it checked by my supervisor for its correctness next time we meet.

Patrick
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COPY: (1) STUDENT; (2) PRACTICUM ADVISER

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DATE	4/15/2023	AREA ASSIGNMENT	B&HI Segment RnD Department
TASK	Technical Documentation of Developed Module	SHIFT/TIME	8:25 AM to 5:50 PM

Technical Documentation

- Created project setup documentation. Wrote about the programs used, creating the project, the project structure, programs to install, references to add to the project, and the NuGet packages to install as a foundation of the overall project.

- Documented how to transfer the arguments from the Main Program (Barter TX) to the module to be created.

- Documented how to retrieve and save registry values. This is where some of the settings are stored.

- Documented how to create crystal reports. This includes the creation of the report form, the use of the crystal report viewer, and the creation of report parameters and record models.

- Starting to get hang of creating development documentation. I am learning what parts I need to include, and what parts I need to highlight such as adding text and other helpful pointers.

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