



Malayan Colleges Laguna  
A MAPÚA SCHOOL

REVISION NO.: 00  
REVISION DATE: May 10, 2016

## 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	4/17/2023	AREA ASSIGNMENT	B&HI Segment RnD Department
TASK	Continue Technical Documentation of developed Module	SHIFT/TIME	8:27 AM to 5:41 PM

In the morning I consulted my supervisor on how to fix the system as Barter's free trial expired. He gave me a version of the program that does not need licensing. After that, I again focused on creating documentation. I was able to continue my documentation for crystal reports for static columns of report records in terms of styling, data source and retrieval of records, parameters, formulas, and I was able to make my technical documentation more user-friendly as I added a table of contents that have in document linking to the specific section. I was supposed to have a meeting with my supervisor wherein I will present my progress on the documentation and ask him some questions, I have but he was busy and it was moved to tomorrow.

I didn't feel so good today, but I realized that even though you may not feel the best you still need to get the job done. I may not have been 100% today but I did my best and showed up. Furthermore, I realized the importance of work-life balance. I felt tired today as I had a Saturday shift and on Sunday, I was anxious as I already had work again on Monday. This also made me realize the importance of focus. If you are focused during your shift, you would get your tasks done on time and you would not need to think about it. I currently have a hard time separating work hours and leisure hours as I sometimes think about the things I need to do during my shift. Lastly, I was also able to create a video presentation for my module 1 assessment. I will recheck it tomorrow before submitting it.

  
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DATE	<input type="text" value="4/18/2023"/>	AREA ASSIGNMENT	<input type="text" value="B&amp;HI Segment RnD Department"/>
TASK	<input type="text" value="Technical Documentation, Presentation, Training Plan"/>	SHIFT/TIME	<input type="text" value="8:25 AM to 5:41 PM"/>

This morning as I was documenting my project, I realized that my approach to creating dynamic columns in crystal reports is not that efficient. So, I brainstormed ways how to improve it but was not able to implement it yet. At 9:30 I had a meeting with my supervisor Sir Allan, and I consulted my current documentation progress. We talked about his expectations and what I should and should not include in the document. After the meeting, I got my training plan digitally signed as their default setup is WFH. After that, I went to school to get my training plan signed by Sir Ilao.

In the afternoon I continued documenting the system. I first started by documenting static values for controls which is easy. After that, I documented how to dynamically set the values of controls like combo boxes based on certain conditions and values from the database. I refactored and modified some parts of the code to make it more readable as I was using specific C# syntax which can cause confusion to other developers.

I was not feeling that well so I was not working that fast today. I was also able to document how to add resources such as photos to the project, how to use these photos in the controls, and change the photos during run time. Lastly, before I timed out I cleaned up the documentation by checking for spelling mistakes, and adding appropriate headers and styles Next, I Verified the contents of the documentation for correctness and continuity of steps.



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DATE	4/19/2023	AREA ASSIGNMENT	B&HI Segment RnD Department
TASK	Refactored Code, Technical Documentation Continuation	SHIFT/TIME	8:28 AM to 5:40 PM

Today I first refactored the query for the crystal reports dynamic columns query. I improved the implementation by modifying the query in a way that its results headers do not need to be modified to fit the crystal reports model. After I then started the documentation for the crystal reports dynamic columns. I was able to create documentation for the initial setup, which is setting up and updating the report parameters before the generation of the crystal report. Next, I documented how to create a crystal report using the Report Wizard and its different options.

In the afternoon I documented how to query the data such as the creation of the query string from the report parameters. I discussed in detail the selected payment types, payment type paddings, and how the non-selected payment types are aggregated as others. Next, I then documented how to load the queried data into the report and supply report-specific parameters. After that, I discussed why the payment headers are sent as parameters and not part of the report records and how it relates to the formulas used. I added how to create report formulas and the discussion on each of the report formulas used.

I was worrying about this part of the documentation for the past few days because I am unsure about my implementation, and it is quite complex in a way that the different parts of the documentation will overlap and need context. I was able to push through and silence my doubts. I learned that you need to do things scared and not always wait for the right time. In an environment like the corporate world, time is important, and you cannot let fear take over your actions.

  
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DATE	4/20/2023	AREA ASSIGNMENT	B&HI Segment RnD Department
TASK	Technical Documentation, Fixed Bug, Refactored Code	SHIFT/TIME	8:28 AM to 5:37 PM

Today I first created the documentation for the styling of crystal reports dynamic headers like the font size, font style, and other styling options which I was not able to finish yesterday. After that, I created documentation for the other C# form controls I missed such as ListView and PictureBox like how to set them up and manipulate them accordingly. Next, I fixed the headings, sequence, and design by checking and verifying the overall documentation before I went on my lunch break.

In the afternoon I fixed the implementation of the query for the dynamic selected payment types that I refactored yesterday. The query was only working if all of the payment types were selected and was returning errors otherwise. I was able to fix it by using the SQL server profiler and checking the query being performed by the program. I found out that I missed an important part of the query with the new implementation which I then fixed. I learned that after refactoring and changing the code, you always need to double-check all the test cases before confirming that you are done.

After that, the next thing I did was check and improve the implementation of the export to excel functionality before I document it. This is because I feel that it is not yet that straightforward and efficient. Furthermore, Sir Allan had suggestions regarding the code on how to style the Excel file in order to avoid redundancy. I was not able to finish the finalization, but I made good progress as I now knew which parts I could improve upon. All I needed to do was implement the improvements that I had thought of.

  
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DATE	4/21/2023	AREA ASSIGNMENT	B&HI Segment RnD Department
TASK	Finalized Refactored Code, Finalized Technical Documentation	SHIFT/TIME	8:23 AM to 5:33 PM

Today I continued the finalization of my export to excel implementation. I rechecked the code for better ways of implementation such as refactoring how to get the selected payment headers with less redundancy and implementing the refactoring of styling as suggested by Sir Allan. I did all of this before my lunch break as I plan to start the documentation of the export to excel functionality in the afternoon.

After my break, I first documented the base class and explained the header, body, subtotal, and grand total Excel generation functions. I then documented how to use these functions depending on the selected report filters of the user. Next, I then explained how I was able to apply the different style functions that will be used on the different parts and types of text in the Excel file. Lastly, I checked and finalized everything, and I plan to present this to my supervisor by Tuesday. I added the appropriate headers and links for export to excel documentation. I then checked and verified the newly created export to excel documentation. And lastly, I checked and verified the flow of the overall technical documentation.

I am excited to present my 2 finished modules and their documentation and be able to submit what I have been working on for the past 4 weeks. I want to be able to receive feedback on not only the module I developed but how I handled the situation, how I approached the situation, how I can improve, and what I can do better the next time around.

  
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