



Malayan Colleges Laguna
A MAPÚA SCHOOL

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

DAILY JOURNAL

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- 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

Technical Documentation

- 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.
- Continued 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.
- 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.



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DATE	<input type="text" value="4/18/2023"/>	AREA ASSIGNMENT	<input type="text" value="B&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"/>

Technical Documentation

- 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.
- Documented static values for controls.
- Documented how to dynamically set the values of controls like combo boxes based on certain conditions and values from the database.
- Documented 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.
- Cleaned up the documentation by checking for spelling mistakes and adding appropriate headers and styles.
- Verified the contents of the documentation for correctness and continuity of steps.

Software Development

- Brainstormed ways how to improve my dynamic columns in crystal reports implementation.
- 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.



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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

Software Development

- 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.

Technical Documentation

- Created documentation for the initial setup, which is setting up and updating the report parameters before the generation of the crystal report.
- Documented how to create a crystal report using the Report Wizard and its different options.
- 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.
- Documented how to load the queried data into the report and supply report specific parameters.
- 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.



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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

Technical Documentation

- Created the documentation for the styling of crystal reports dynamic headers like the font size, font style, and other styling options.
- 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.
- Fixed the headings, sequence, and design by checking and verifying the overall documentation.

Software Development

- 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.
- Checked and improved the implementation of the export to excel functionality.



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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

Software Development

- Finalized 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.

Technical Documentation

- Documented the base class and explained the header, body, subtotal, and grand total Excel generation functions.
- Documented how to use these functions depending on the selected report filters of the user.
- Documented 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.
- Checked and finalized everything, and I plan to present this to my supervisor by Tuesday.
- 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.



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