00		
Иav	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	05/29/2023	AREA ASSIGNMENT	B&HI Segment RnD Department	
TASK	Exploration of Libraries and Frameworks	SHIFT/TIME	8:27 AM to 5:39 PM	
		•		
	Since I already knew the transactions that are on t	he server that is r	not on the local terminal from the work I did	
yesterda	y, I now created the implementation of transferring	these records. At f	irst, I had a hard time as I had to query a lot	
of fields	from the MSSQL database on the server and insert	it into the MS Acc	ess mdb file on the terminal. To remedy this,	
l explore	d using an ORM or object-relational mapper for the	query on the MSS	QL database using Entity framework. I have	
used thi	s in the past for ASP.NET Web Form and MC	V web application	ns but have not tried using it for desktop	
application	ons. Exploring entity framework led me to easily qu	ery data from the	SQL database on the server by using LINQ	
C# com	mands which use built-in functions for easy qu	erying rather tha	n having to mess with strings, command	
paramete	ers, and stored procedures. For the MS Access file,	I tried exploring th	e library dapper which is an ORM that works	
for mdb	files, sadly I did not have much success trying this	out and decided t	o stick to using the OLEDB built in library in	
C# for in	terfacing with mdb files.			

TRAINEE'S SIGNATURE

	00	
Лаv	10	2016

DATE

DAILY JOURNAL

AREA ASSIGNMENT

IMPORTANT INFORMATION

05/30/2023

- 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.

TASK	Transaction Records Sync Initial Implementation	SHIFT/TIME	8:30 AM to 5:35 PM
	1		
	Through my research and exploring different librar	ries or frameworks	for ORMs, today I was able to create the
initial in	nplementation for the syncing of the transaction	on headers from	the server to the terminals. Since the
Transact	tionHeader table had a lot of fields, I had a hard time	e mapping it to the	local mdb file and had to recheck the values
multiple	times to make sure the correct fields are being	g mapped. From	there I was also able to create the initial
impleme	ntation for the TransactionItems and TransactionPa	ayment data. Thes	e are different from the headers in that one
transacti	on header can have many items within that trans-	action and can ha	ve multiple types of payment like cash and
card. Fro	om there I ran multiple tests and confirmed the ma	apping of the table	es to be correct. Although I have to confirm
some of	the fields to my supervisor that is not seen on the se	erver but are prese	ent on the terminal.
	Patrick		
	TRAINEE'S SIGNATURE		

	00		
May	10	2016	



DATE

DAILY JOURNAL

AREA ASSIGNMENT

IMPORTANT INFORMATION

05/31/2023

- 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.

TASK	Refactored Transaction Records Sync Implementation	SHIFT/TIME	8:29 AM to 5:49 PM
	Today I refactored my initial implementation for the	e transferring of	files from the server to the terminal for the
transact	tion header, items, and payments. My initial implem	entation was a bit	sloppy, and my sole goal yesterday was to
get it to	work. Today I improved upon my implementation	by removing any	redundancies and efficiencies I see on my
code.			
	Design		
	TDAINIE'S SIGNATURE		

	00		
May	10	2016	

DATE

DAILY JOURNAL

AREA ASSIGNMENT

IMPORTANT INFORMATION

06/01/2023

- 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.

TASK	Develop Sync Transaction Records	SHIFT/TIME	8:16 AM to 5:46 PM
		I	
,	Today I first added parting of records to be tran		ation id this is so that the vaccude hairs
	Today I first added sorting of records to be tran	•	
	red from the server to the local terminals are by order		
	rogress of the transferring of files, this is especiall	-	<u> </u>
	d the UI as so far, I was only working on the fur	ectionality of the fo	orm. I used the colors of the POS terminal
software	and fixed the size of the controls.		
	In the afternoon I refactored and improved my imp	lementation for ch	ecking for differences between the records.
Rather t	han checking the transaction ids right away, my s	upervisor told me	to check the number of records first, if the
records	on the server were higher than that of the local te	rminal, that is only	when the records to be transferred will be
checked	and fetched.		
	Q tricks		
	TRAINEE'S SIGNATURE		

	00		
Mav	10	2016	



DATE

DAILY JOURNAL

AREA ASSIGNMENT

IMPORTANT INFORMATION

06/02/2023

- 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.

TASK	Improve Sync Transaction Records and Present Progress	SHIFT/TIME	8:22 AM to 5:42 PM		
I	n the morning I fixed the transaction tables mappin	ng that I overlooke	ed. I added getting the salesman and bagger		
data by (getting using their ids in the record and fetching the	eir respective table	es. Next I converted all of the SQL database		
comman	ds that were using strings and parameters to the E	ntity Framework a	nd querying data using LINQ. This allows for		
a more ro	obust and easier way of fetching data.				
	After lunch I had a meeting with my supervisor to sath that I needed to change. First, I added a confirmate				
	person in charge could double check the records t				
	the user interface to match the rest of the Barter po				
	<u>'</u>		<u> </u>		
<u> </u>					
	Patrick				
	TRAINEE'S SIGNATURE				