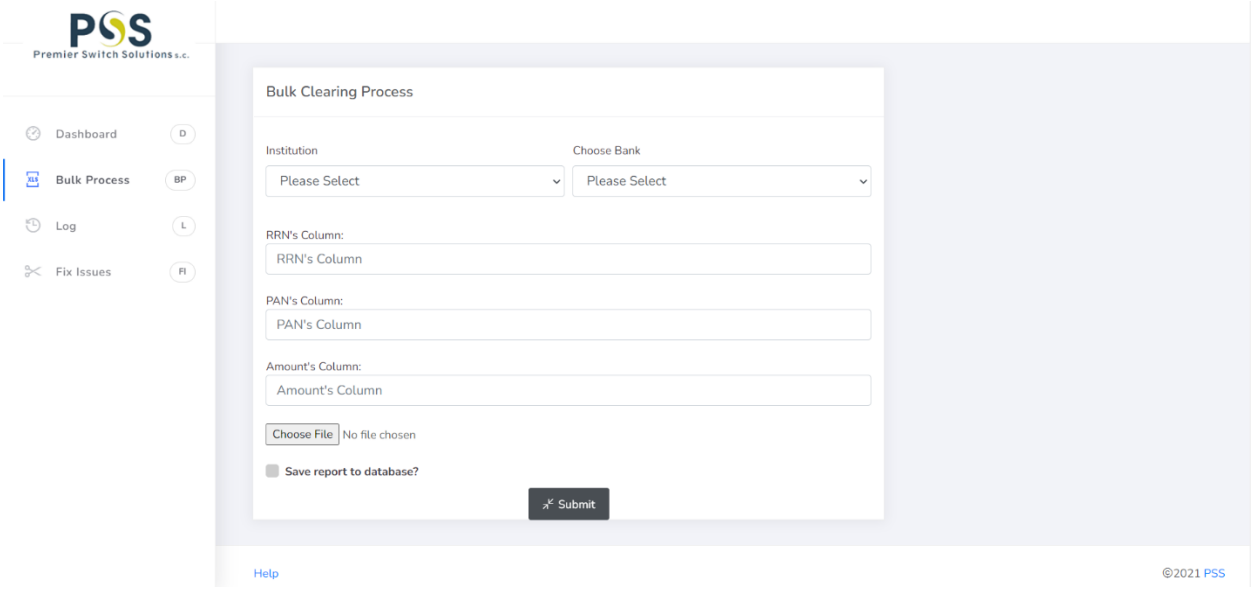
Contents

1 Bulk Clearing Process 2
1.1 Select Bulk Process Module 2
1.2 Fill the form 2
1.3 Redirected to Result Page 4
1.4 The excel result 6
1.4.1 Result sheet 6
1.4.2 Rejected sheet 8
1.4.3 Settlement Not Done sheet 10
1.4.4 Requests Already Saved sheet 11
2 Log Page 11
2.1 Log Page Capabilities 13
2.1.1 Update 13
2.1.2 Search 13
2.1.3 Paginate 14
2.1.4 Export 14

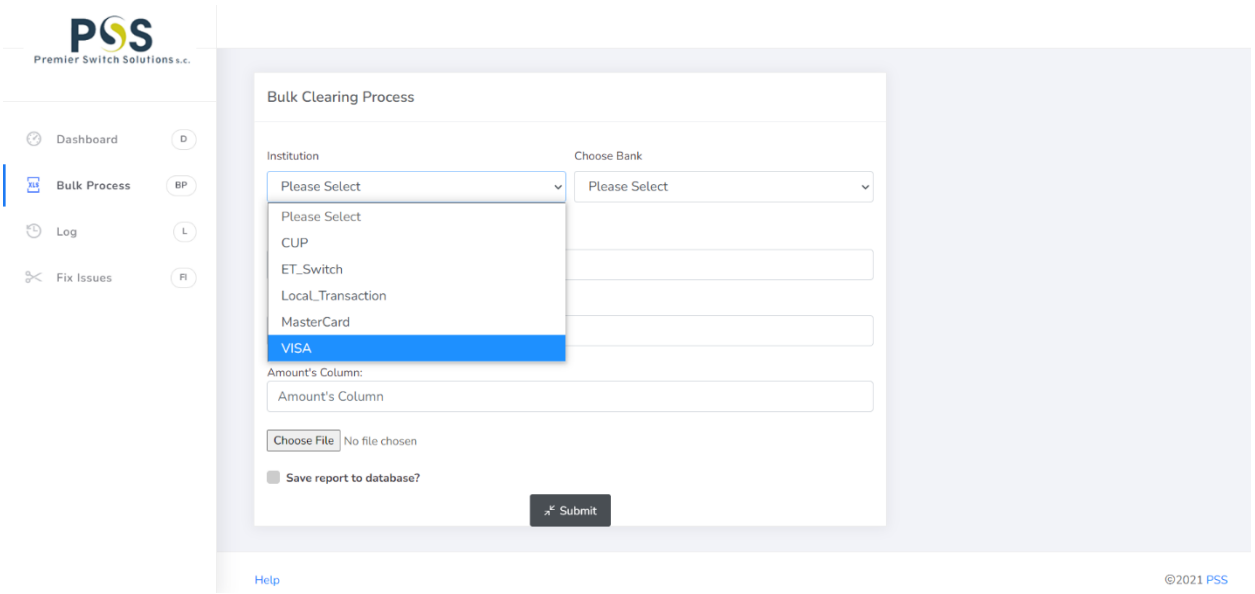
1 Bulk Clearing Process

The bulk clearing module helps the user to process multiple transactions in the excel file.

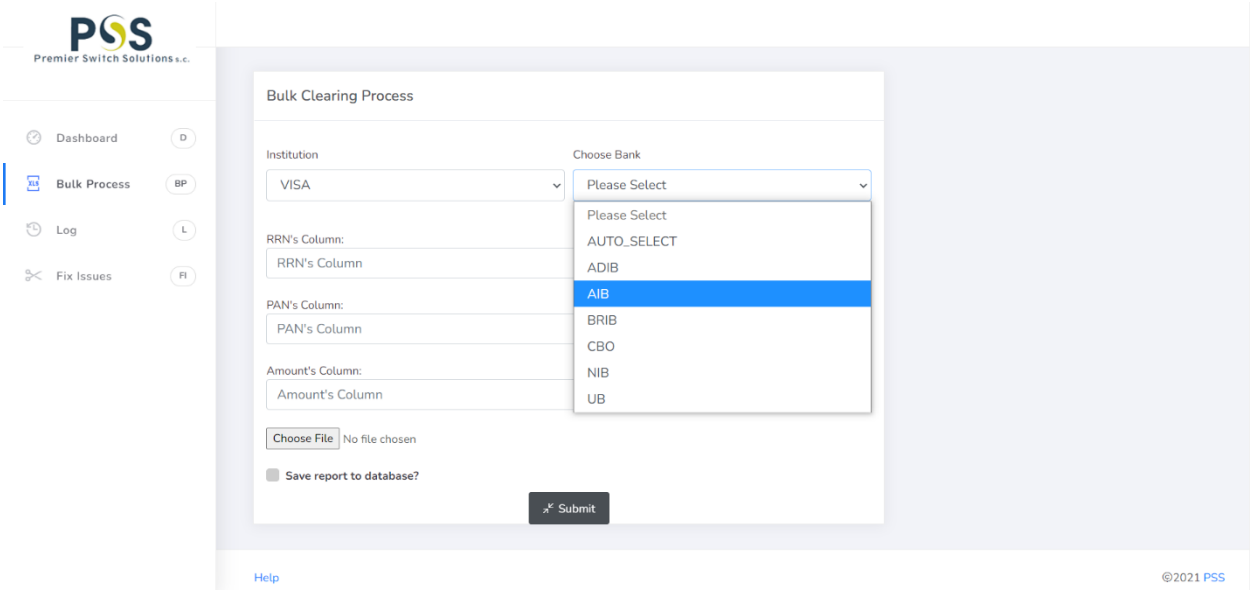
1.1 SELECT BULK PROCESS MODULE



1.2 FILL THE FORM

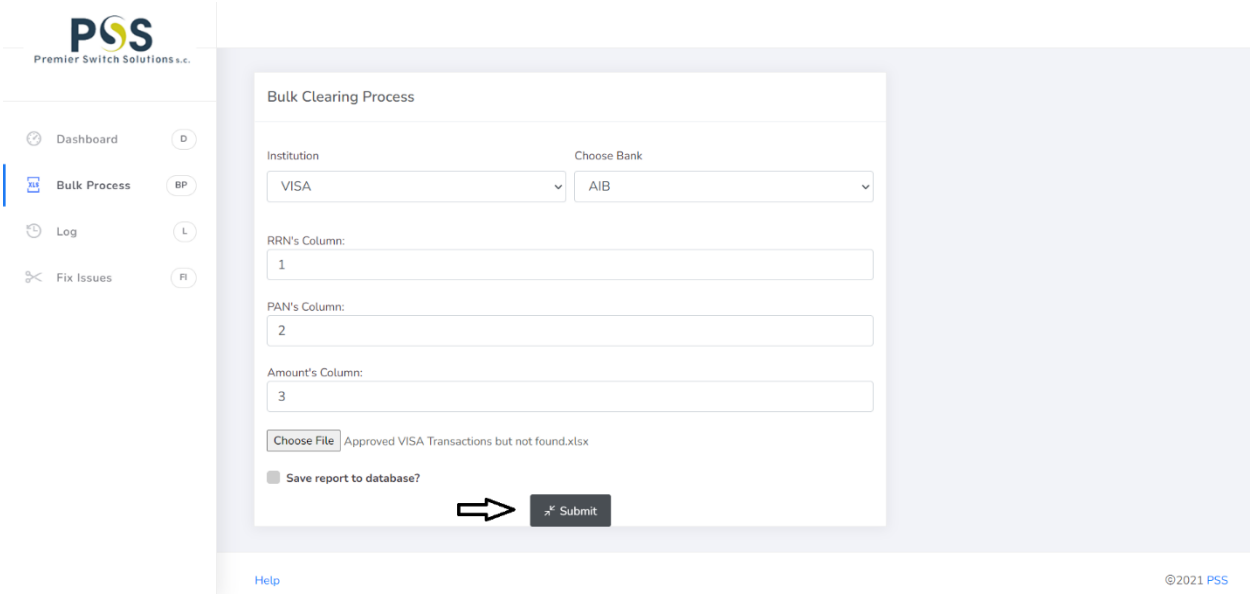


Choose Bank – If the file has a single bank transaction, you can select the option with the specific bank name. But if the file contains multiple Banks' transactions choose the AUTO_SELECT option.

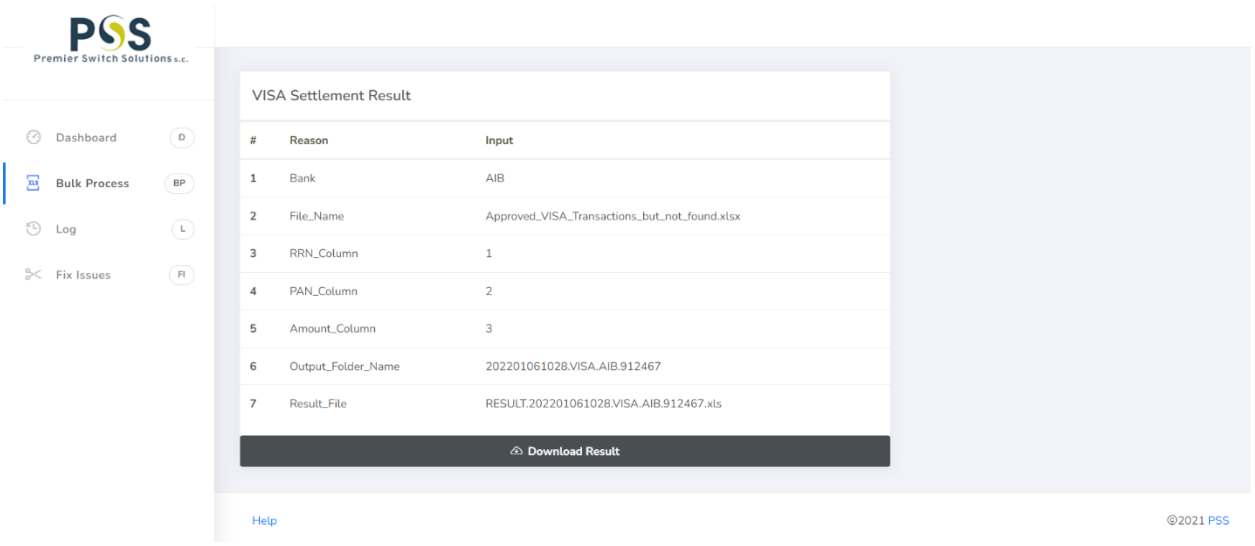


Prepare the excel, get the columns of each necessary field as bellows figure, choose file, check or uncheck the Save report to database option and submit.

	A	B	C
1	Ref No	PAN (Card No)	Transaction Amt
2	135518634772	4187451831962941	1,550.00
3	135513589780	4024830000130355	15,000.00
4	135511573182	4693595721164690	1,759.98
5	135509562435	4693595721201690	2,795.01
6	135507544502	4309380047748500	236.00
	1	2	3

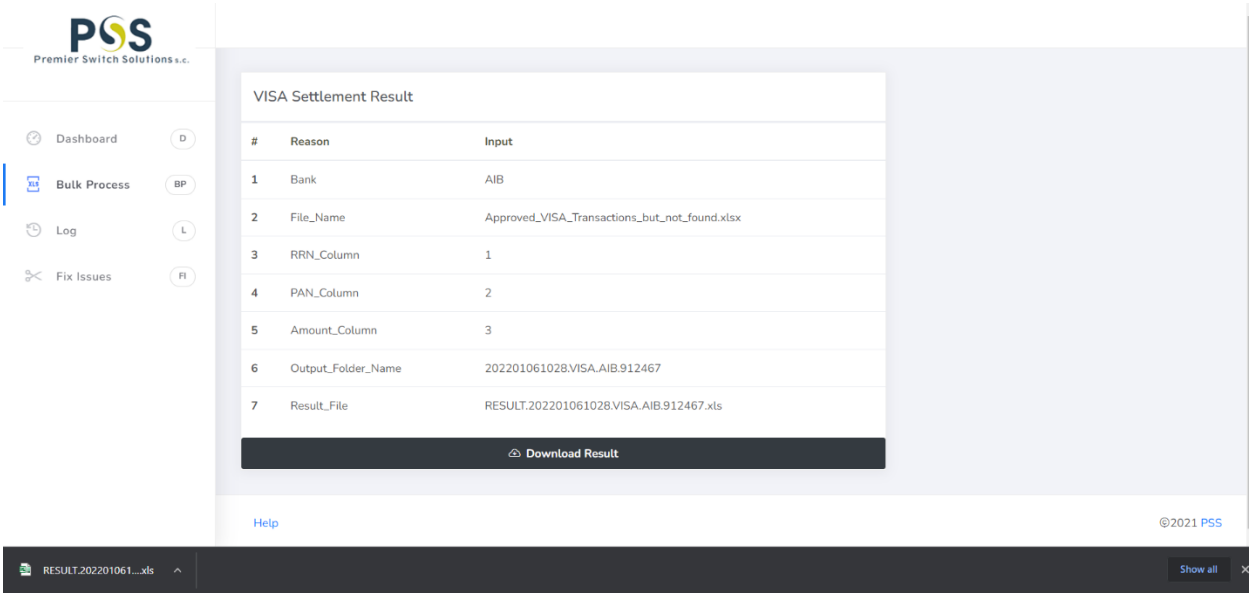


1.3 REDIRECTED TO RESULT PAGE

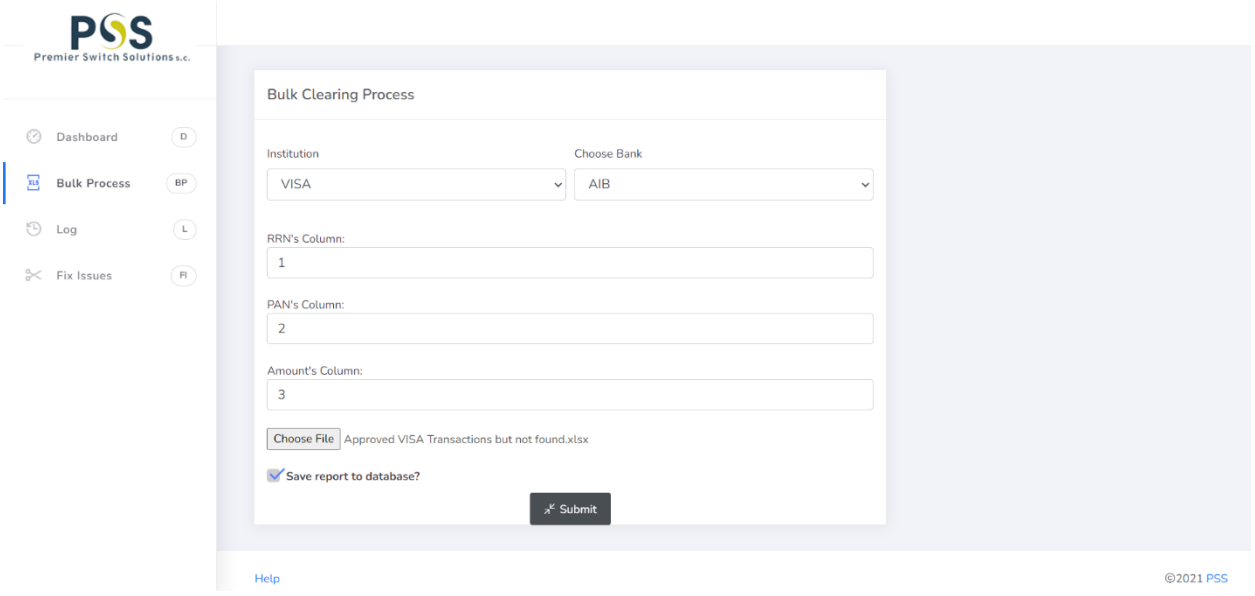


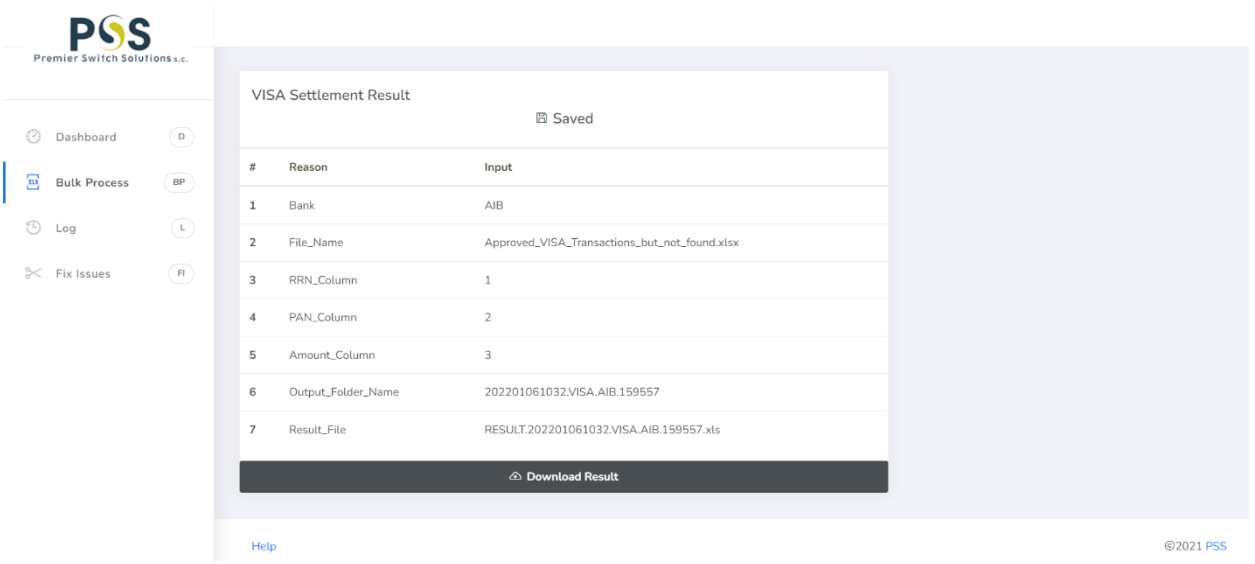
The result page gives compiled information about the process and the result.

The result is an excel file and it's downloadable.



If the Save to database checkbox is checked as the below figure, there is a notification that indicates the data was saved on top of the result page.

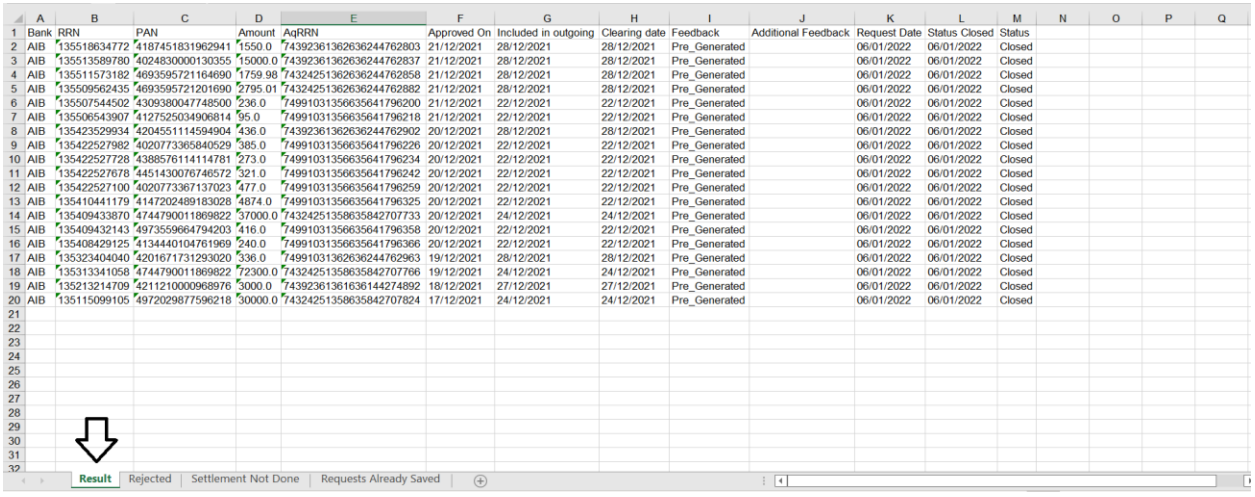




1.4 THE EXCEL RESULT

The excel result has four sheets - Result, Rejected, Settlement not done, and Requests already saved sheet.

1.4.1 Result sheet



Bank	RRN	PAN	Amount	AqRRN	Approved On	Included in outgoing	Clearing date	Feedback	Additional Feedback	Request Date	Status Closed	Status
AIB	135518634772	4187451831962941	1550.0	74392361362636244762803	21/12/2021	28/12/2021	28/12/2021	Pre_Generated		06/01/2022	06/01/2022	Closed
AIB	135513589780	4024830000130355	15000.0	74392361362636244762837	21/12/2021	28/12/2021	28/12/2021	Pre_Generated		06/01/2022	06/01/2022	Closed
AIB	135511573182	4693595721164690	1759.98	74324251362636244762858	21/12/2021	28/12/2021	28/12/2021	Pre_Generated		06/01/2022	06/01/2022	Closed
AIB	135509562435	4693595721201690	2795.01	74324251362636244762882	21/12/2021	28/12/2021	28/12/2021	Pre_Generated		06/01/2022	06/01/2022	Closed
AIB	135507544502	4309380047748500	236.0	74991031356635641796200	21/12/2021	22/12/2021	22/12/2021	Pre_Generated		06/01/2022	06/01/2022	Closed
AIB	135506543907	4127525034906814	95.0	74991031356635641796218	21/12/2021	22/12/2021	22/12/2021	Pre_Generated		06/01/2022	06/01/2022	Closed
AIB	135423529934	4204551114594904	436.0	74392361362636244762902	20/12/2021	28/12/2021	28/12/2021	Pre_Generated		06/01/2022	06/01/2022	Closed
AIB	135422527982	4020773365840529	385.0	74991031356635641796226	20/12/2021	22/12/2021	22/12/2021	Pre_Generated		06/01/2022	06/01/2022	Closed
AIB	135422527728	4388576114114781	273.0	74991031356635641796234	20/12/2021	22/12/2021	22/12/2021	Pre_Generated		06/01/2022	06/01/2022	Closed
AIB	135422527678	4451430076746572	321.0	74991031356635641796242	20/12/2021	22/12/2021	22/12/2021	Pre_Generated		06/01/2022	06/01/2022	Closed
AIB	135422527100	4020773367137023	477.0	74991031356635641796259	20/12/2021	22/12/2021	22/12/2021	Pre_Generated		06/01/2022	06/01/2022	Closed
AIB	135410441179	4147202489183028	4874.0	74991031356635641796325	20/12/2021	22/12/2021	22/12/2021	Pre_Generated		06/01/2022	06/01/2022	Closed
AIB	135409433870	4744790011869822	37000.0	74324251358635842707733	20/12/2021	24/12/2021	24/12/2021	Pre_Generated		06/01/2022	06/01/2022	Closed
AIB	135409432143	4973559664794203	416.0	74991031356635641796358	20/12/2021	22/12/2021	22/12/2021	Pre_Generated		06/01/2022	06/01/2022	Closed
AIB	135408429125	4134440104761969	240.0	74991031356635641796366	20/12/2021	22/12/2021	22/12/2021	Pre_Generated		06/01/2022	06/01/2022	Closed
AIB	135323404040	4201671731293020	336.0	74991031362636244762963	19/12/2021	28/12/2021	28/12/2021	Pre_Generated		06/01/2022	06/01/2022	Closed
AIB	135313341058	4744790011869822	72300.0	74324251358635842707766	19/12/2021	24/12/2021	24/12/2021	Pre_Generated		06/01/2022	06/01/2022	Closed
AIB	135213214709	4211210000968976	3000.0	74392361361636144274892	18/12/2021	27/12/2021	27/12/2021	Pre_Generated		06/01/2022	06/01/2022	Closed
AIB	135115099105	4972029877596218	30000.0	74324251358635842707824	17/12/2021	24/12/2021	24/12/2021	Pre_Generated		06/01/2022	06/01/2022	Closed

The Result sheet has 13 columns

Column	Name	Reason
A	Bank	Bank Name
B	RRN	Retrieval Reference Number

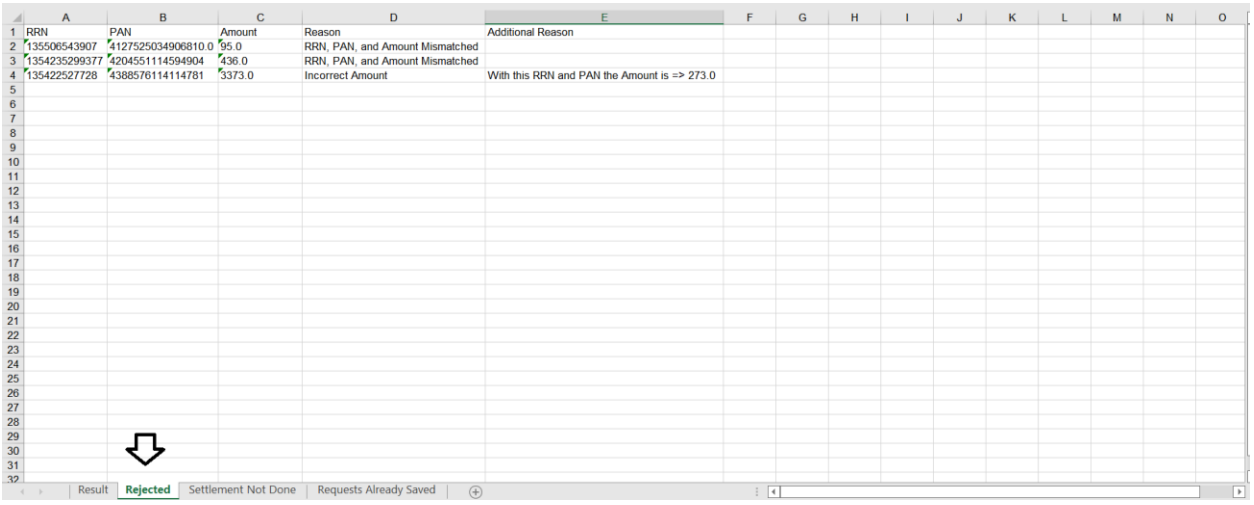
C	PAN	Primary Account Number
D	Amount	Transaction Amount
E	AqRRN	Acquirer Retrieval Reference Number
F	Approved On	Transaction Approved Date
G	Included in outgoing	Outgoing File Generated Date
H	Clearing Date	Clearing File Generated Date
I	Feedback	Explain The Transaction Status
J	Additional Feedback	Used For Backend Processer
K	Request Date	The User of The Application Requested Date
L	Status Closed	The Status Closed Date
M	Status	The Status of Transaction, Pending or Closed

Feedback (Column I) – explain the transaction status in detail

No	Feedback	Reason
1	Pre_Generated	The outgoing file is already generated. Status is closed.
2	Not_Processed_Yet_After_EOD	When the transaction date and the requested date are similar, the outgoing file will be generated after EOD because EOD is not yet processed. Status is pending.
3	IN_CL_NOT_OUT_S2M	Included in clearing but not in outgoing, so this case needs to be logged to S2M. Status is pending till S2M team solve the issue.
4	Pre_Included_In_Clearing	For Local transactions outgoing file may not be generated but the clearing file is already generated in this case. Status is closed.
5	SETTLE_NOT_DONE_EOD	The settlement was not done from the terminal side, so manual settlement

		should be done. After the manual settlement done the outgoing file and clearing file will be generated after EOD. Status is pending.
6	REM_STAT_CHANGED_EOD	The remittance status is changed automatically to procced the interrupted process. After EOD the outgoing file and clearing file will be generated. Status is pending.
7	Y_S2M	The remittance status is Y so it needs to be logged to S2M for further processing. Status is pending
8	REM_DATA_NOT_FOUND_S2M	The transaction is not found in the remittance transaction table, the case needs to be logged to S2M. Status is pending.
9	Uncaught_Tran_transaction_record_table_error	If there is uncaught result, the investigation should be done manually rather than this App.
10	UNCAUGHT_REM_TAB_ERROR	
11	Uncaught Authorization Error	

1.4.2 Rejected sheet



	A	B	C	D	E
1	RRN	PAN	Amount	Reason	Additional Reason
2	135506543907	4127525034906810.0	95.0	RRN, PAN, and Amount Mismatched	
3	1354235299377	4204551114594904	436.0	RRN, PAN, and Amount Mismatched	
4	135422527728	4388576114114781	3373.0	Incorrect Amount	With this RRN and PAN the Amount is => 273.0

Result | Rejected | Settlement Not Done | Requests Already Saved

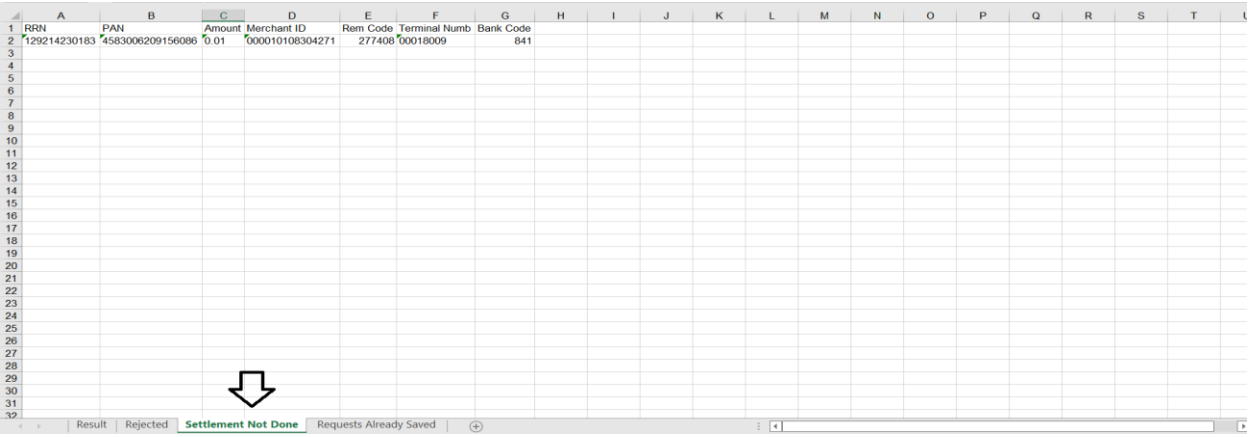
The rejected sheet has five columns

Column	Name	Reason
A	RRN	Retrieval Reference Number
B	PAN	Primary Account Number
C	Amount	Transaction Amount
D	Reason	Reason for the rejection
E	Additional Reason	To explain the reason in detail

Reason (Column D)

No	Reason	Explanation
1	Not POS transaction	If the transaction is not POS transaction
2	Incorrect Amount	The provided amount is not correct, the correct amount will be displayed in the additional feedback.
3	RRN, PAN, and Amount Mismatched	The RRN or the PAN is incorrect
4	Transaction Reversed	The transaction is reversed so the outgoing file will not be generated.
5	Not Approved Transaction	The transaction is not approved, the response code will be displayed in the additional reason table.

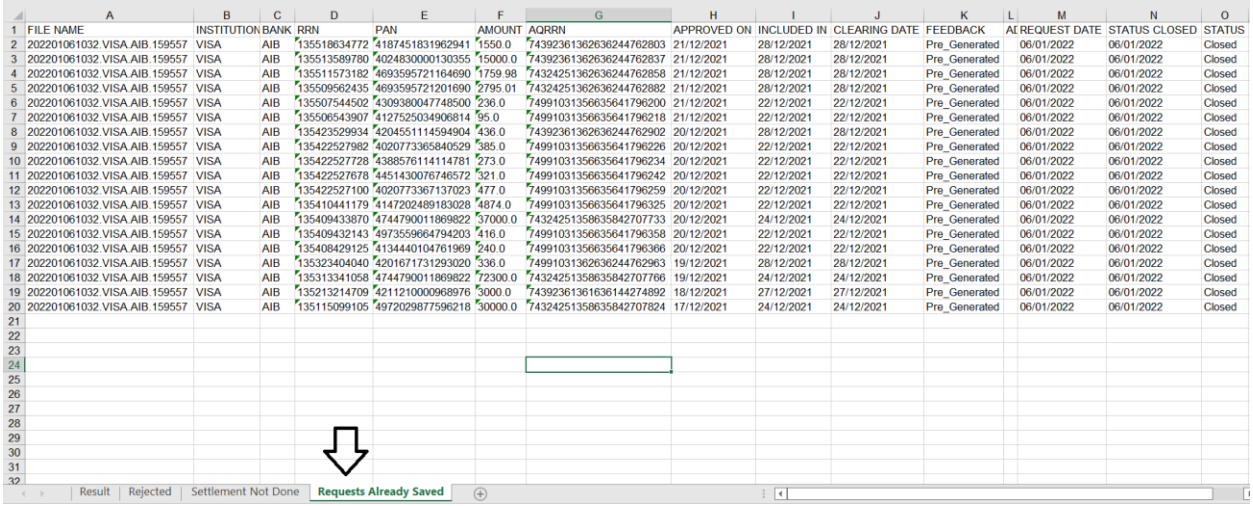
1.4.3 Settlement Not Done sheet



The settlement Not Done sheet has seven columns that helps for the manual settlement

Column	Name	Reason
A	RRN	Retrieval Reference Number
B	PAN	Primary Account Number
C	Amount	Transaction Amount
D	Merchant ID	Merchant Identifier
E	Rem Code	Remittance Code
F	Terminal Numb	Terminal Number
G	Bank Code	Bank Code (ID)

1.4.4 Requests Already Saved sheet



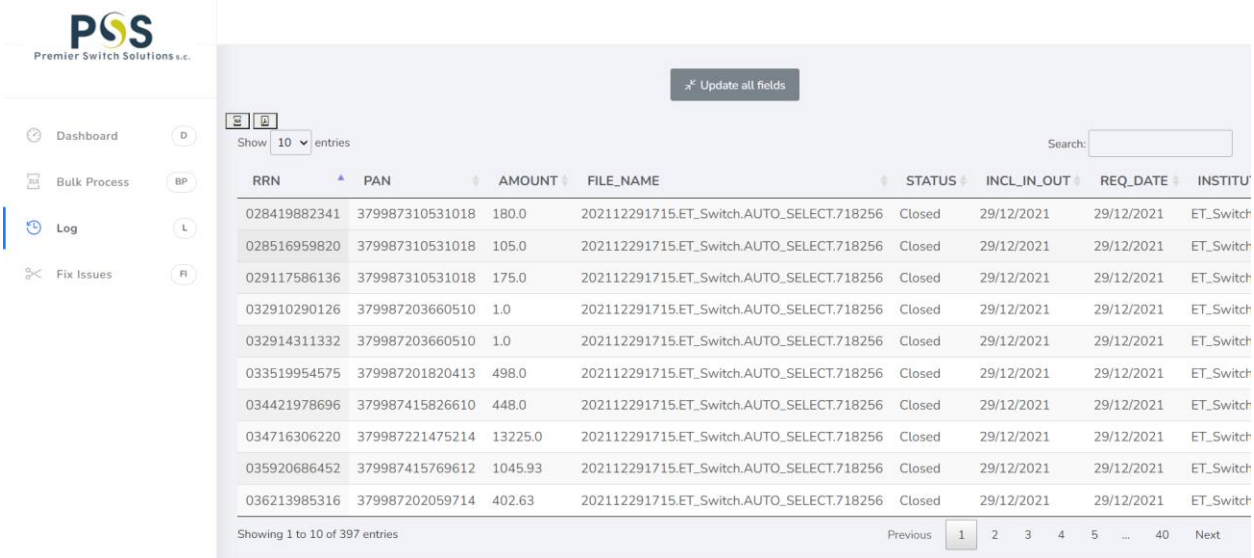
	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
1	FILE NAME	INSTITUTION	BANK	RRN	PAN	AMOUNT	AQRRN	APPROVED ON	INCLUDED IN	CLEARING DATE	FEEDBACK	AC	REQUEST DATE	STATUS CLOSED	STATUS
2	202201061032.VISA.AIB.159557	VISA	AIB	135518634772	4187451831962941	1550.0	74392361362636244762803	21/12/2021	28/12/2021	28/12/2021	Pre_Generated		06/01/2022	06/01/2022	Closed
3	202201061032.VISA.AIB.159557	VISA	AIB	135513589780	4024830000130355	15000.0	74392361362636244762837	21/12/2021	28/12/2021	28/12/2021	Pre_Generated		06/01/2022	06/01/2022	Closed
4	202201061032.VISA.AIB.159557	VISA	AIB	135511573182	4693595721164690	1759.98	74324251362636244762858	21/12/2021	28/12/2021	28/12/2021	Pre_Generated		06/01/2022	06/01/2022	Closed
5	202201061032.VISA.AIB.159557	VISA	AIB	135509562435	4693595721201690	2795.01	74324251362636244762882	21/12/2021	28/12/2021	28/12/2021	Pre_Generated		06/01/2022	06/01/2022	Closed
6	202201061032.VISA.AIB.159557	VISA	AIB	135507544502	4309380047748500	236.0	74991031356635641796200	21/12/2021	22/12/2021	22/12/2021	Pre_Generated		06/01/2022	06/01/2022	Closed
7	202201061032.VISA.AIB.159557	VISA	AIB	135506543907	4127525034906814	95.0	74991031356635641796218	21/12/2021	22/12/2021	22/12/2021	Pre_Generated		06/01/2022	06/01/2022	Closed
8	202201061032.VISA.AIB.159557	VISA	AIB	135423529934	4204551114594904	436.0	74392361362636244762902	20/12/2021	28/12/2021	28/12/2021	Pre_Generated		06/01/2022	06/01/2022	Closed
9	202201061032.VISA.AIB.159557	VISA	AIB	135422527982	4020773365840529	385.0	74991031356635641796226	20/12/2021	22/12/2021	22/12/2021	Pre_Generated		06/01/2022	06/01/2022	Closed
10	202201061032.VISA.AIB.159557	VISA	AIB	135422527728	4388576114114781	273.0	74991031356635641796234	20/12/2021	22/12/2021	22/12/2021	Pre_Generated		06/01/2022	06/01/2022	Closed
11	202201061032.VISA.AIB.159557	VISA	AIB	135422527678	4451430076746572	321.0	74991031356635641796242	20/12/2021	22/12/2021	22/12/2021	Pre_Generated		06/01/2022	06/01/2022	Closed
12	202201061032.VISA.AIB.159557	VISA	AIB	135422527100	4020773367137023	477.0	74991031356635641796259	20/12/2021	22/12/2021	22/12/2021	Pre_Generated		06/01/2022	06/01/2022	Closed
13	202201061032.VISA.AIB.159557	VISA	AIB	135410441179	4147202489183028	4874.0	74991031356635641796325	20/12/2021	22/12/2021	22/12/2021	Pre_Generated		06/01/2022	06/01/2022	Closed
14	202201061032.VISA.AIB.159557	VISA	AIB	135409433870	4744790011869822	37000.0	74324251358635842707733	20/12/2021	24/12/2021	24/12/2021	Pre_Generated		06/01/2022	06/01/2022	Closed
15	202201061032.VISA.AIB.159557	VISA	AIB	135409432143	4973559664794203	416.0	74991031356635641796358	20/12/2021	22/12/2021	22/12/2021	Pre_Generated		06/01/2022	06/01/2022	Closed
16	202201061032.VISA.AIB.159557	VISA	AIB	135408429125	4134440104761969	240.0	74991031356635641796366	20/12/2021	22/12/2021	22/12/2021	Pre_Generated		06/01/2022	06/01/2022	Closed
17	202201061032.VISA.AIB.159557	VISA	AIB	135323404040	4201671731293020	336.0	74991031362636244762963	19/12/2021	28/12/2021	28/12/2021	Pre_Generated		06/01/2022	06/01/2022	Closed
18	202201061032.VISA.AIB.159557	VISA	AIB	135313341058	4744790011869822	72300.0	74324251358635842707766	19/12/2021	24/12/2021	24/12/2021	Pre_Generated		06/01/2022	06/01/2022	Closed
19	202201061032.VISA.AIB.159557	VISA	AIB	135213214709	4211210000968976	3000.0	74392361361636144274892	18/12/2021	27/12/2021	27/12/2021	Pre_Generated		06/01/2022	06/01/2022	Closed
20	202201061032.VISA.AIB.159557	VISA	AIB	135115099105	4972029877596218	30000.0	74324251358635842707824	17/12/2021	24/12/2021	24/12/2021	Pre_Generated		06/01/2022	06/01/2022	Closed
21															
22															
23															
24															
25															
26															
27															
28															
29															
30															
31															
32															

Result | Rejected | Settlement Not Done | Requests Already Saved

The requests' already saved sheet has 15 columns that are fetched from the Database.

2 Log Page

The log page has the database's information that has been saved. It has 15 columns.



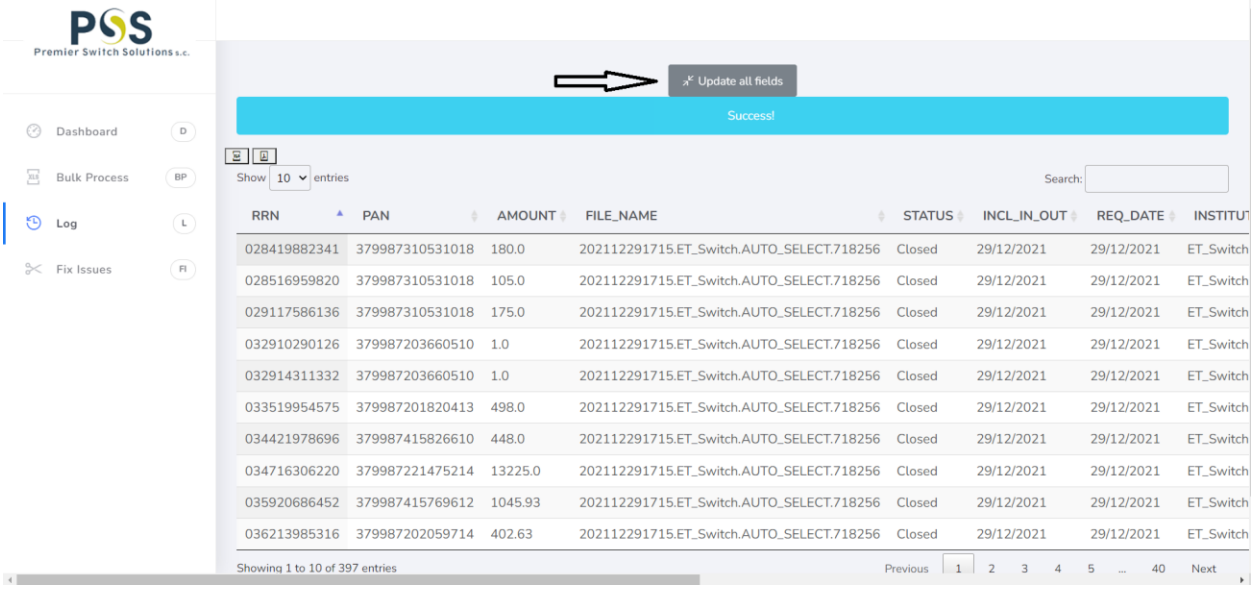
LOG Columns

No	Columns	Reason
1	RRN	Retrieval Reference Number
2	PAN	Primary Account Number
3	AMOUNT	Transaction Amount
4	FILE_NAME	The result file name
5	STATUS	The Status of Transaction, Pending or Closed
6	INCL_IN_OUT	Included in outgoing file date (Outgoing File Generated Date)
7	REQ_DATE	The User of The Application Requested Date
8	INISTITUTION	Institutions such as VISA, Mastercard, and others
9	BANK	Bank Name
10	AQRRN	Acquirer Retrieval Reference Number
11	APPROVED_ON	Transaction Approved Date
12	CLEAR_DATE	Clearing File Generated Date
13	FEEDBACK	Explain The Transaction Status
14	ADD_FEEDBACK	Used For Backend Processer, has information based on the feedback
15	STATUS_CLOSED	The Status Closed Date

2.1 LOG PAGE CAPABILITIES

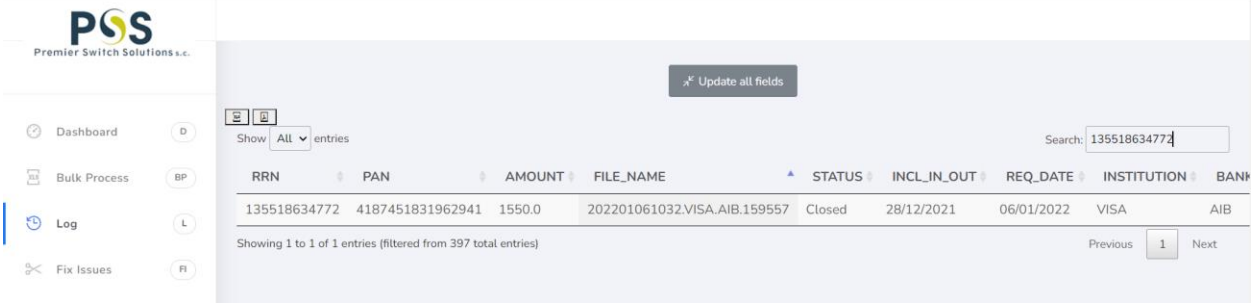
2.1.1 Update

Update the pending in order to get updated result for the pending cases.



2.1.2 Search

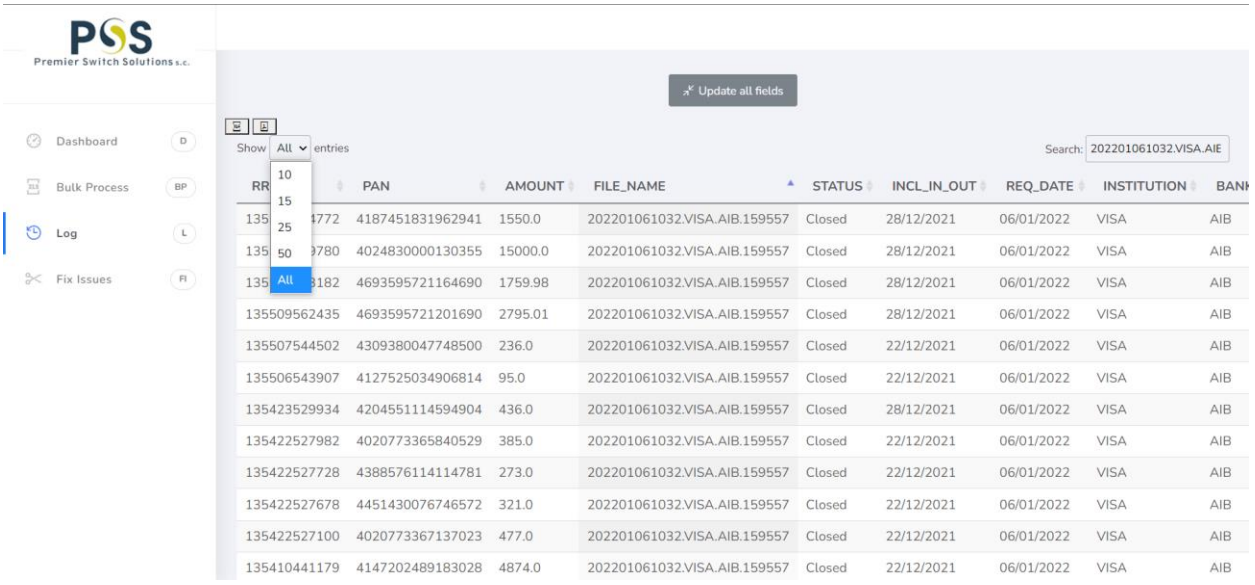
Individual transactions can be searched based on their RRN, FILE_NAME, STATUS, INSTITUTION, BANK, and some other fields. For instance, the below figure shows searching one transaction by RRN.



2.1.3 Paginate

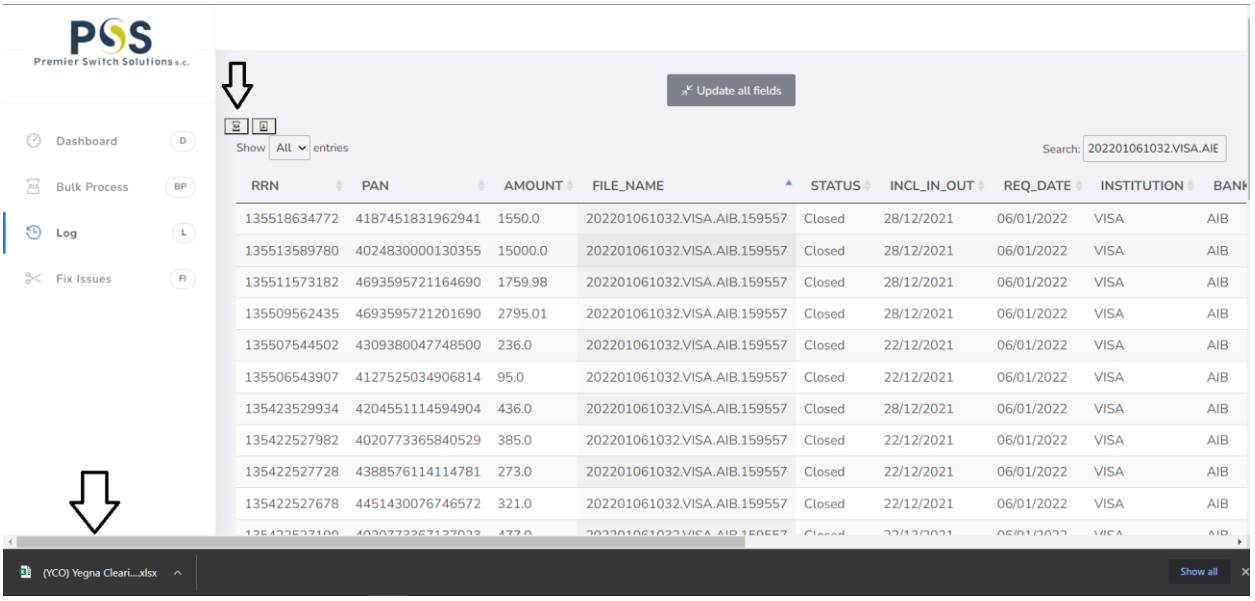
Previous and Next buttons are used for pagination

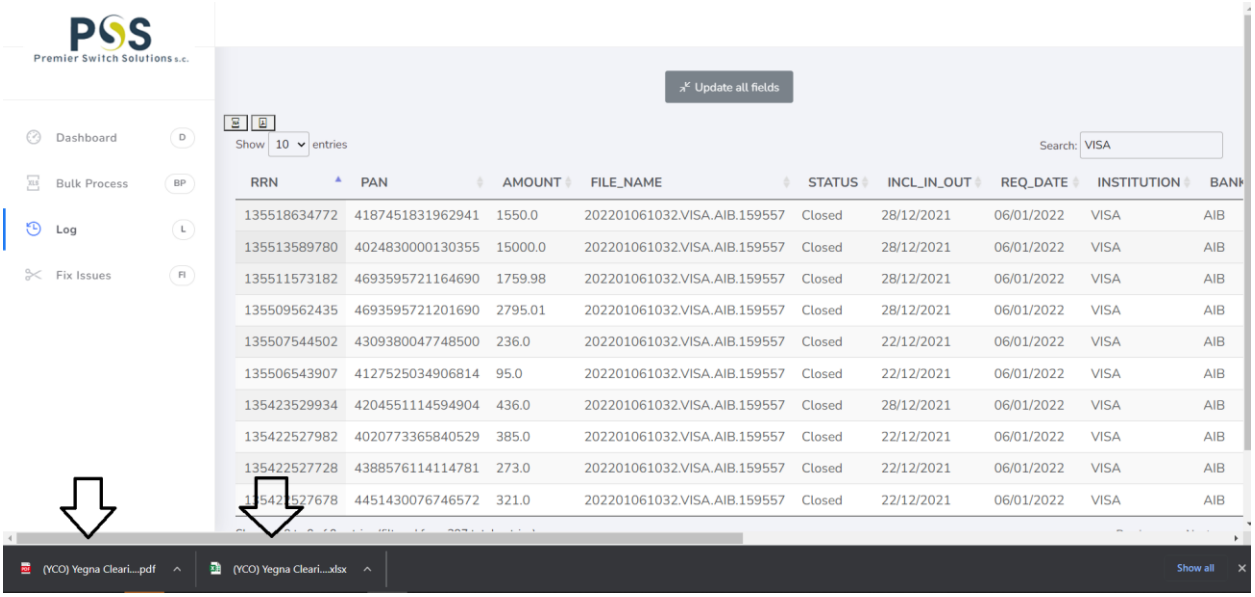
Show option helps the user to see all transactions



2.1.4 Export

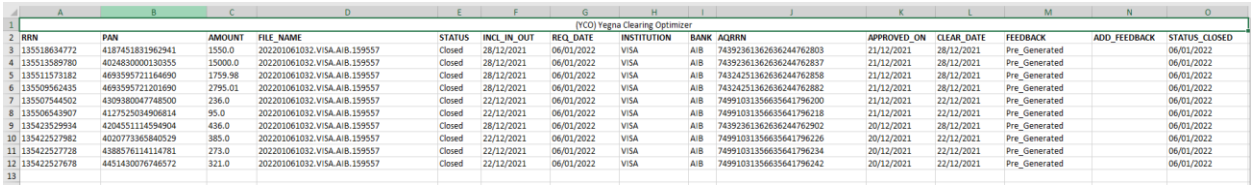
It has two options for exporting format for the report Excel and PDF.





(YCO) Yegna Clearing Optimizer

RRN	PAN	AMOUNT	FILE_NAME	STATUS	INCL_IN_OUT	REQ_DATE	INSTITUTION	BANK	AQRRN	APPROVED_ON	CLEAR_DATE	FEEDBACK	ADD_FEEDBACK	STATUS_CLOSED
135518634772	4187451831962941	1550.0	202201061032.VISA.AIB.159557	Closed	28/12/2021	06/01/2022	VISA	AIB	743923613626362447628 03	21/12/2021	28/12/2021	Pre_Generated		06/01/2022
135513589780	4024830000130355	15000.0	202201061032.VISA.AIB.159557	Closed	28/12/2021	06/01/2022	VISA	AIB	743923613626362447628 37	21/12/2021	28/12/2021	Pre_Generated		06/01/2022
135511573182	4693595721164690	1759.98	202201061032.VISA.AIB.159557	Closed	28/12/2021	06/01/2022	VISA	AIB	743242513626362447628 58	21/12/2021	28/12/2021	Pre_Generated		06/01/2022
135509562435	4693595721201690	2795.01	202201061032.VISA.AIB.159557	Closed	28/12/2021	06/01/2022	VISA	AIB	743242513626362447628 82	21/12/2021	28/12/2021	Pre_Generated		06/01/2022
135507544502	4309380047748500	236.0	202201061032.VISA.AIB.159557	Closed	22/12/2021	06/01/2022	VISA	AIB	749910313566356417962 00	21/12/2021	22/12/2021	Pre_Generated		06/01/2022
135506543907	4127525034906814	95.0	202201061032.VISA.AIB.159557	Closed	22/12/2021	06/01/2022	VISA	AIB	749910313566356417962 18	21/12/2021	22/12/2021	Pre_Generated		06/01/2022
135423529934	4204551114594904	436.0	202201061032.VISA.AIB.159557	Closed	28/12/2021	06/01/2022	VISA	AIB	743923613626362447629 02	20/12/2021	28/12/2021	Pre_Generated		06/01/2022
135422527982	4020773365840529	385.0	202201061032.VISA.AIB.159557	Closed	22/12/2021	06/01/2022	VISA	AIB	749910313566356417962 26	20/12/2021	22/12/2021	Pre_Generated		06/01/2022
135422527728	4388576114114781	273.0	202201061032.VISA.AIB.159557	Closed	22/12/2021	06/01/2022	VISA	AIB	749910313566356417962 34	20/12/2021	22/12/2021	Pre_Generated		06/01/2022
135422527678	4451430076746572	321.0	202201061032.VISA.AIB.159557	Closed	22/12/2021	06/01/2022	VISA	AIB	749910313566356417962 42	20/12/2021	22/12/2021	Pre_Generated		06/01/2022



N.B This application is not fully completed there are things left such as dashboard, report, and others.