Overview

I analyzed the report structure that is required, I filtered out the values that can be generated by the system and the ones that can be manually inserted.

Problems encountered

On my own perceptions, I realized most of the values that can be generated by the report are manually registered as the system doesn't contain such data values.

- 1) MSP02_01 The first tab
 This report has up to 61 fields, of which its [18 (a) Loan to clients and 21 (d) Accrued
 Interest onLoans] are the only fields that can be fetched from the database.
- 2) MSP2_02 Statement Of Income and Expense This report tab has up to 41 data rows, the system can provide [2 a. Interest - Loans to Clients, 18 b. Fees] other values have to be manually registered
- 3) MSP2_03 Classification Of Microfinance Loans
 This section could be easily generated, but there comes a challenge of calculation of
 current amount, past due fees. ESM, Substandard, Doubtful and Loss Values. I could
 interpret these as loans with penalties but I need more clarification with the meanings of
 these columns.
- 4) MSP2 04 Types of Microfinance Loans

This report section can be generated dynamically by the database, the incurred problems are the types of the microfinance loans, it displays a list of loan product types. These can be written as seeders and pre-populated in the system by default but according to the loan product type schema, it requires a type of interest to be assigned and fees that can be incurred. I need more clarification on how this will be handled should the system load only loan products created by the microfinance or these are fixed

loan products microfinance institutions should have. And do these loan products have both straight-line and reducing balance amortizations?

5) MSP2_06 Complaint Reports

This section includes a list of complaints, this is a section that a system should have to enable easy calculations of the reports, however since its not provided, it asks for manual data entry.

6) MSP2_07 Financial Institutions

This is a section that represents deposit and borrowed amounts, again this is a section that can be analyzed and a schema is drawn to accommodate the values but since the system doesn't have these inbuilt it calls manual input of the values. It makes the calculations a bit complicated.

7) MSP2 10 Geographical Distribution of branches

This section calls for listing sections in a given branch with employers, borrowers and so on. If possible it would call for analyzing to see how this can be embedded to the system.

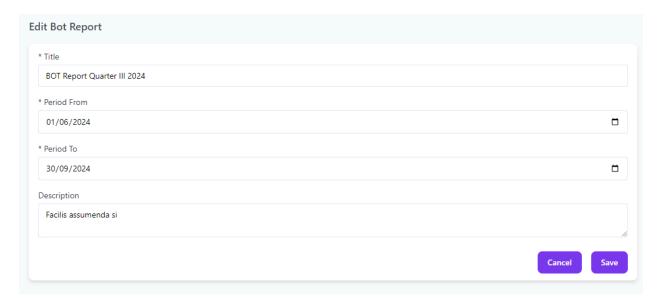
Observations

The reports sections and their various calculations aren't complicated but due to organizing the report to include both manual and automated inputs and calculations it brings up a situation where the customer will ask for all these manual inputs to be automated in the future. Most items could be created and added to the system as modules to enhance the generation of these reports.

Current Solution

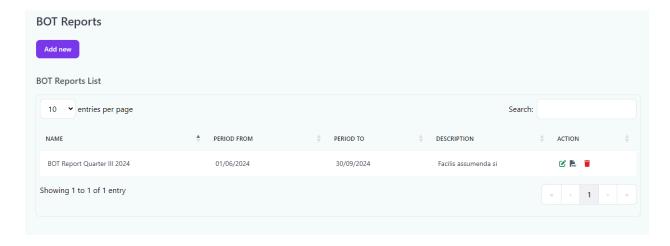
Currently I came up with a solution of creating report schemas to save the details of a particular quarter in a way that captures the system values automatically and will require a user to enter

non system data manually. For instance a user begins starts by creating a quarter report and provide periods range

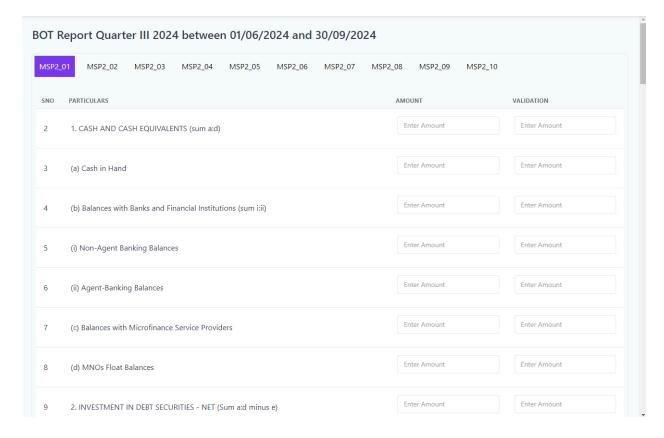


This allows the user to choose between different reports that can be customized and its data to be validated before submission.

Next, a user is allowed to choose from list of quarter reports, and use it to prepare a report



Once a given quarter report is selected, you will be redirected to the BOT report tabs.



These options would enable a user to navigate different tabs and investigate to see if the values match up to the accounts and are correct. Upon inspection and entering the required values, a user is allowed to save the values to the database for future use. Therefore enabling the option for exporting the details in an excel of pdf format.

What do you suggest?