**Bharat Pharmacy – Battala, Agartala, Tripura (West)**

We will have a directory path where all sheets with different FIN-REC-XXX will be present. (where XXX is the currency)

The ETL automation will be as below:

**Extract** : Workflow will take the directory path as argument and read all FIN-REC-XXX.xlsx sheets (can be more than 1). Each sheet will contain 3 columns (date, amount and currency). It will club all the data row-wise in a single spreadsheet.

**Transform** :

* It will convert all the currencies to INR and club all records in another sheet with two columns (date, amount\_in\_INR).
* Prepare a resultant sheet which will contain all 12 months and the total amount of each month with an additional column which will show month-on-month growth % (either +ve or -ve)

**Load** : It will load the final resultant sheet in a MySQL Database after creating a new table with the YEAR suffix (fin-rec\_2024)

**Deployment**

* MySQL will be hosted in AWS RDS. Project should conceive all credentials from a config file which will be easy editable by the end users.
* Parent directory (containing all separate records) path should be taken by the project via config file

**Future Enhancements**

* Apply flex integration with New Relic with the MySQL Database instance to visualize the data in interactive dashboard
* Add email feature to send the resultant table via email after yearly ETL process
* Modify the code and make it flexible for monthly / weekly resultant data