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Full-Stack Developer

Stack:

Framework: NestJS

DB: any SQL db

ORM: Mikro ORM or TypeORM

Frontend: React

Problem description:

The user has data from two different data sources in the CSV format.

These CSV files have financial transactions with different PL account lists.

Also, we have our best-practice list of PL accounts.

As a result, Users want to be able to:

1. Upload CSV data in a standardized format.

2. Map the PL accounts from the uploaded data to the best-practice list of accounts.

3. Get output in the report that should be grouped by PL accounts and months

4. Get a dashboard with charts based on the report below the report. It should be two chart:
- that show top 5 PL accounts in the last month by total amounts
- where we can choose PL account from the best-practice list (from drop-down) and chart will show monthly trend (line chart)

CSV files with transactions:

Transactions 1

Transactions 2

Master list of PL accounts (best-practice):

Best-practice accounts

Optional:

Add automatic recommendations based on the reports and charts. For example it can be small feald below the charts where will be automatically generated small analysis with insights, comparing with benchmarks and recommendations. It's better to use AI tools for it.