Extension of Custom Exception ABCBank Application

*Project Structure has Attached*

**Background (Recap)**

ABCBank earlier implemented a withdrawal and exception-handling framework to ensure compliance with financial rules and fraud detection.

And Each Account can apply for multiple Insurance

After stabilizing the withdrawal system and insurance System.

Now ABCBank’s wants to maintains customer Accounts, their Transactions, and Insurance Policies. Business needs require data analysis and operational reports that can be efficiently generated using Java Stream API.

**Following are the Complete Entity Structure**

* **Account**: holds account details, policies, and transactions.
* **Transactions**: records withdrawals, deposits, and transaction dates.
* **Insurance / CarInsurance**: insurance details linked to accounts.
  + *(Other insurance type Based on the previous assignment)*
* **Policy**: wrapper linking Insurance to premium and end dates.
* **BankingOperations**: service class performing operations on List<Account> using **Stream API**.

**Business Requirements**

1) get all accounts having low balance

2) extract accounts by Locations

3) group accounts by location and Account Map<Location,List<Account>> : Hint use grouping

4) group accounts by Map<Insurace , List<Account>>

5) extract all accounts based on upcoming premium date

6) extract Policy Sold before Certain date

7) Extract Accounts based on Transaction & brachLocation

8) Apply 2% cash back , whenever Account withdarw amount more than 10,000

Hint : use map

9) extract Accounts having max balance based on branch locations

10) extract all Accounts having no insurance policy