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Data Dazzlers

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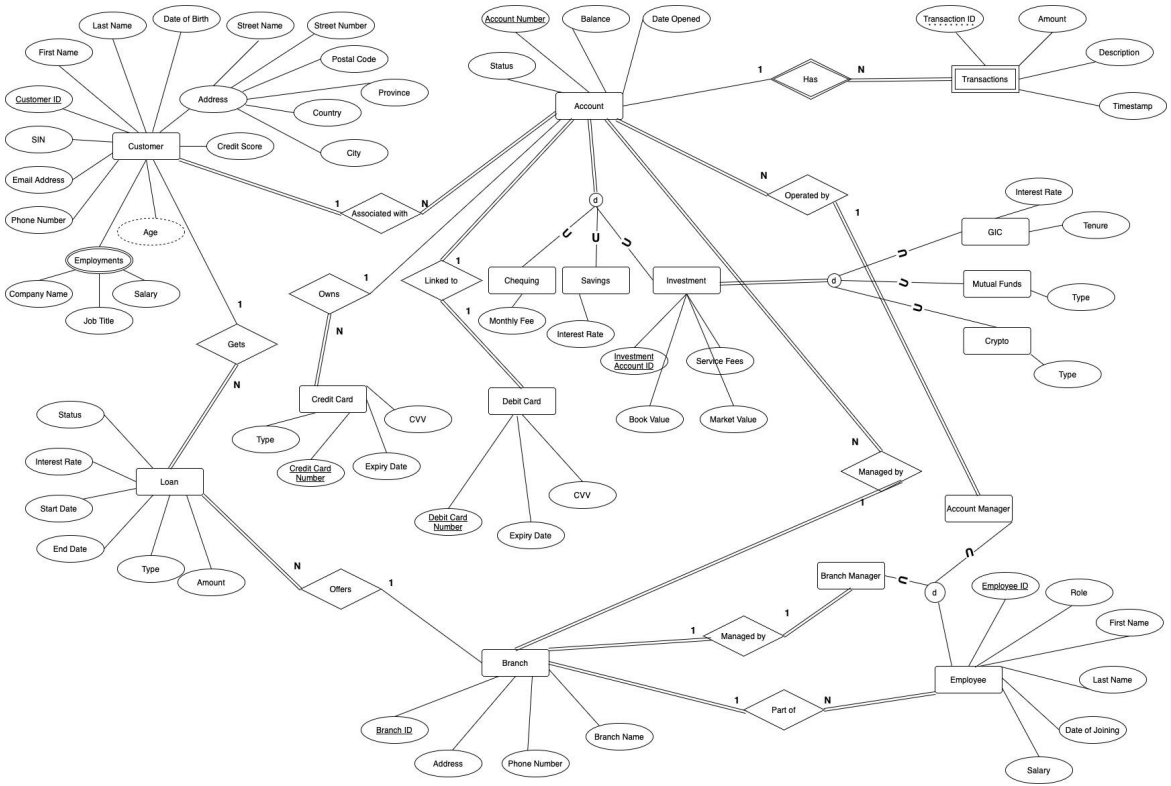
Core Business Processes:

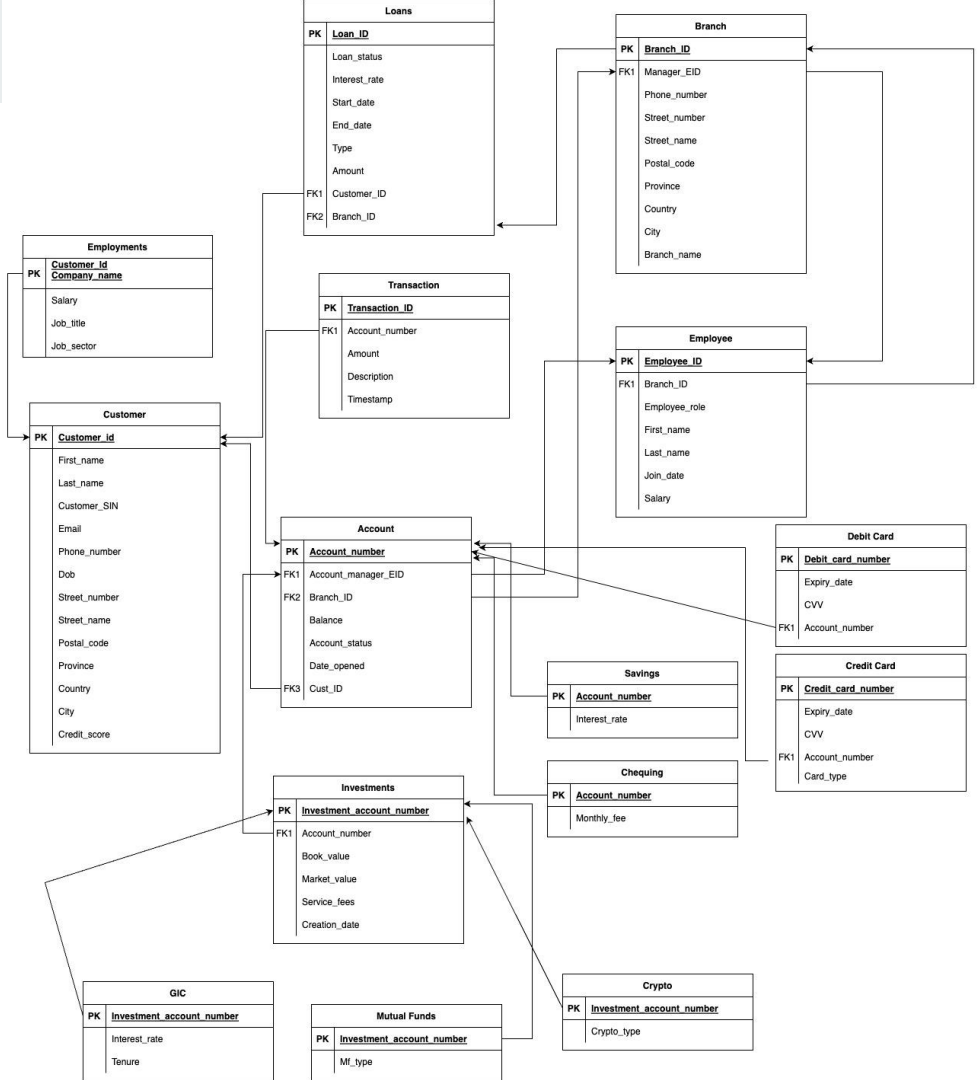
- Opening and closing personal and commercial bank accounts
- Processing daily transactions like deposits, withdrawals, transfers
- Providing customer loans, mortgages, lines of credit
- Issuing credit cards and managing credit card accounts
- Managing branches and employee records
- Setting competitive interest rates for deposits and lending
- Recommend different kinds of investments to customers based on their individual needs.

Conceptual Model



This is Peter Chen from Chen Notation!

Relational Database Model



Investment Portfolio Dashboard

# Investments	$ Mutual Funds	$ GIC	$ Cryptocurrency
30	52K	102K	52K

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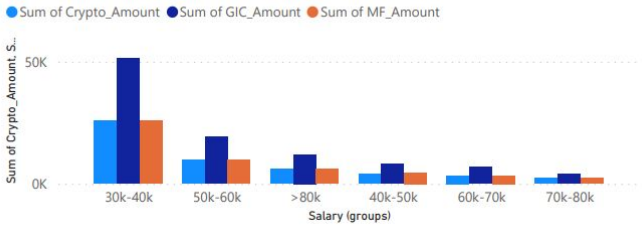
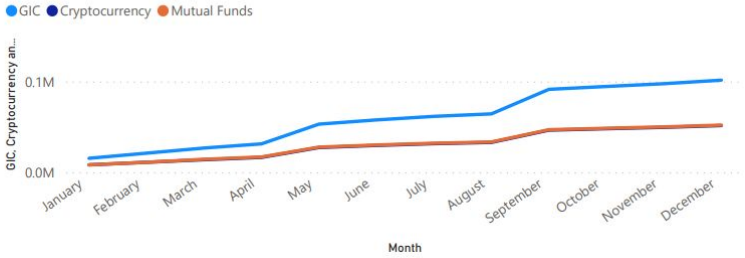
Investment Portfolio

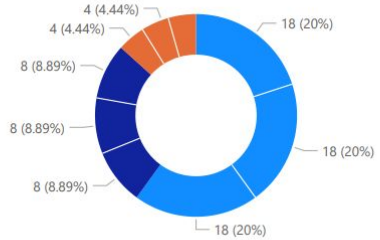
Sum Investment portfolio distribution by Investment portfolio distribution by Salary group



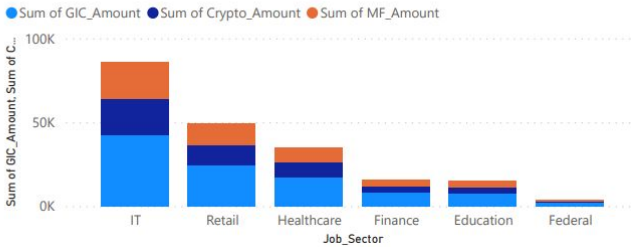
Investment portfolio growth in 2022



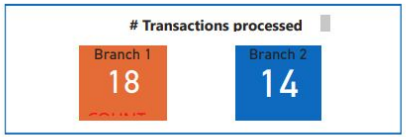
Investment portfolio distribution by age group

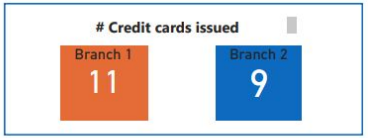


Investment portfolio distribution by Job sector



Branch KPIs Dashboard





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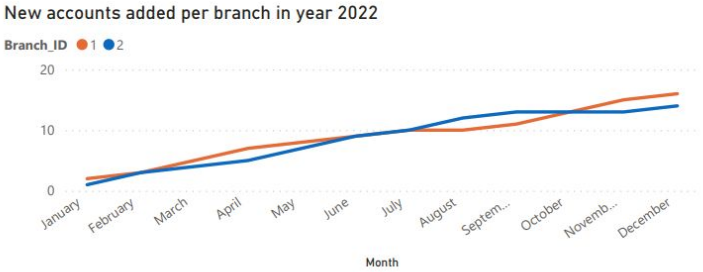
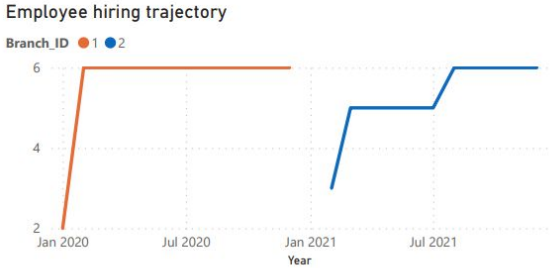
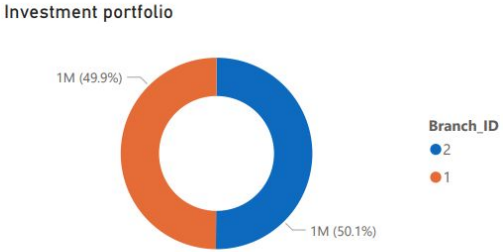
Branch KPIs







Customer Portfolio Dashboard

# of Loans Issued
22

 # Customers
30

 # credit cards issued
20

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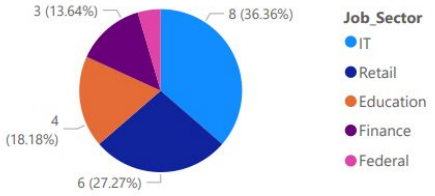
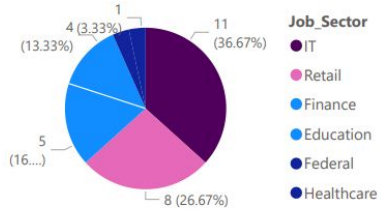
Customer Portfolio

Borrower Profile

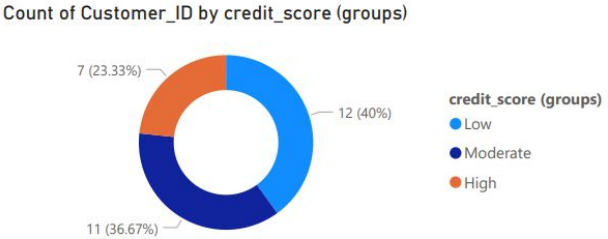


Customer Profile



Clients by age segment

Count of Customer_ID by credit_score (groups)



Users and Access Control

Branch Manager

Account Manager

Investment Specialist

Human Resources

Users and Access Control

Role	Permissions
Branch Manager	• SELECT, INSERT, UPDATE, DELETE on Customer, Account, Debit_card, Credit_card, Loans, Transactions, Employee, and branch tables. • SELECT on Investments table.
Account Manager	• SELECT, INSERT, UPDATE on Customer, Account, Debit_card, Credit_card, and Loans tables (limited to the Accounts they manage). • SELECT on Transactions and investment tables (limited to the Accounts they manage).
Investment Specialist	• SELECT, INSERT, UPDATE, DELETE on Investments table. • SELECT on Customer and Account tables (limited to the necessary information for investment purposes).
Human Resources	• SELECT, INSERT, UPDATE, DELETE on Employee table. • SELECT on Branch table.

Thank you

We’re ready for your questions!