BANK OF PATAGONIA

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WHAT IS
BANK OF PATAGONIA

The Bank of Patagonia helps clients manage their money. Users can track accounts, make transactions, invest in financial products, and see their portfolio performance, including returns and risk levels.

CORE CUSTOMER & ORGANIZATION

CLIENT

👤 Stores each customer’s personal details like name, email, and address.

CLIENT_TYPE

🏷️ Classifies clients into categories like individual, business, or VIP.

BANKING OPERATIONS

ACCOUNT

💼 Stores each customer's bank account details and current balance.

TRANSACTION

💰 Records every deposit, withdrawal, or transfer for accounts.

ACCOUNT_TYPE

🏷️ Defines account categories like savings, checking, or business.

TRANSACTION_TYPE

📋 Classifies transactions to keep records consistent and organized.

INVESTMENT & FINANCIAL PRODUCTS

FINANCIAL_PRODUCT

💼 Stores each investment product offered. Tracks type and risk profile.

INVESTMENT

💰 Tracks each client’s investment and performance in a product.

FINANCIAL_PRODUCT_TYPE

📊 Classifies products into categories like stocks, bonds, or funds.

RISK_PROFILE

⚠️ Defines risk level and expected return for products.

PORTFOLIO & WEALTH MANAGEMENT

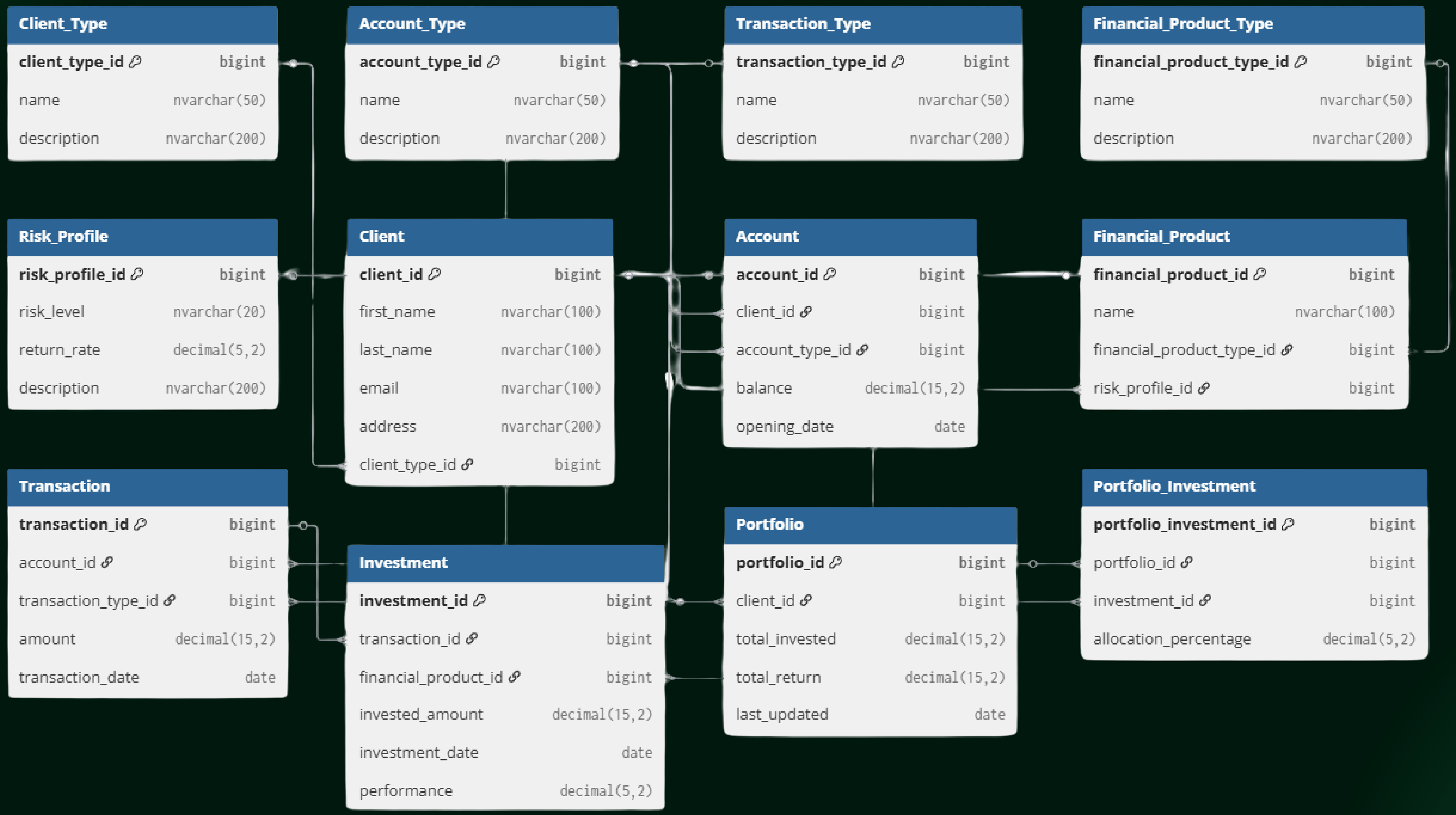
PORTFOLIO

📂 Stores a client's overall investment summary, including total invested and returns.

PORTFOLIO_INVESTMENT

📌 Tracks each investment within a portfolio and its allocation percentage.

DATABASE
SCHEMA



VIEWS

PART 1

- **View 1: Client With Type (Simple Join)**
  - Shows each client with their client type, helping staff quickly identify whether a client is Regular, VIP, or Corporate.
- **View 2: Client Accounts (Multi-table Join)**
  - List clients with their accounts, account types, and balances, giving a clear overview of each client's banking activity.
- **View 3: High Value Accounts (Subselect)**
  - Displays accounts with balances that above the average, helping identify high-value customers for premium services.

VIEWS

PART 2

- **View 4: Account Monthly Transactions (Group By + Joins)**
  - Aggregates monthly net transaction amounts per account. Useful for analyzing trends and spotting unusual activity.
- **View 5: Portfolio Details (Complex Joins + Subselect + Category)**
  - Shows full portfolio details including product type, risk level, and performance. Supports investment analysis and client advising.
- **View 6: High Net Worth Clients (Nested Subselect + Group By)**
  - Lists clients with over $10,000 invested, highlighting high net-worth clients for targeted financial services.

VIEWS

PART 3

- **View 7: Client Account Summary (Complex Join + Left Join + Case)**
  - Shows client account counts and labels them as no, single, or multiple accounts, helping identify inactive or highly engaged clients.
- **View 8: Financial Product Stats (CTE + Multi-Join + Aggregation)**
  - Summarizes investors, average investment, and total investment per product, aiding in evaluating product performance.
- **View 9: Client Investment Rank (Windows Functions + Ranking)**
  - Ranks clients by total invested amount using window functions, helping prioritize top investors.
- **View 10: Monthly Investment Performance (Multiple CTEs + Window Functions + Aggregation**
  - Monthly summary of investment totals, performance, and rankings by product type and risk level, supporting profitability and trend analysis.

QUESTIONS?