Relational Model

Client (<u>client_id</u>, first_name, middle_name, last_name, country, client_type, client_status, tax_id)

User (<u>user_id</u>, department, role, email, last_login)

Account (<u>account_id</u>, *client_id*, opening_date, account_type, status, *manager_id*)

- *client_id* refers to client_id in Client, NOT NULL.

- *manager_id* refers to user_id in User, NOT NULL.

Counterparty (<u>counterparty_id</u>, counterparty_name, counterparty_type, credit_limit, settlement_instructions)

Security (<u>cusip</u>, symbol, security_name, security_type, exchange)

Bond (<u>*cusip*</u>, face_value, coupon_rate, maturity_date)

- *cusip* refers to cusip in Security, NOT NULL.

Equity (<u>*cusip*</u>)

- *cusip* refers to cusip in Security, NOT NULL.

Trade (<u>transaction_id</u>, *account_id*, *cusip*, *counterparty_id*, trade_id, transaction_type, price, units, settlement_date, execution_date)

- *account_id* refers to account_id in Account, NOT NULL.

- *cusip* refers to cusip in Security, NOT NULL.

- *counterparty_id* refers to counterparty_id in Counterparty, NOT NULL.

Lot (<u>lot_id</u>, *trade_id*, *account_id*, *cusip*, units, cost_basis, acquisition_date)

- *trade_id* refers to transaction_id in Trade, NOT NULL.

- *account_id* refers to account_id in Account, NOT NULL.

- *cusip* refers to cusip in Security, NOT NULL.

Journal (<u>journal_id</u>, *trade_id*, *account_id*, journal_type, amount, entry_date)

- *trade_id* refers to transaction_id in Trade.

- *account_id* refers to account_id in Account, NOT NULL.

Position (<u>*account_id*</u>, <u>*cusip*</u>, <u>as_of_date</u>, units)

- *account_id* refers to account_id in Account, NOT NULL.

- *cusip* refers to cusip in Security, NOT NULL.

CorporateAction (<u>action_id</u>, *cusip*, action_type, ex_date, record_date, pay_date, adjustment_factor, new_security_name, new_symbol)

- *cusip* refers to cusip in Security, NOT NULL.

MarketData (<u>*cusip*</u>, <u>date</u>, open_price, close_price, daily_high, daily_low, volume)

- *cusip* refers to cusip in Security, NOT NULL.