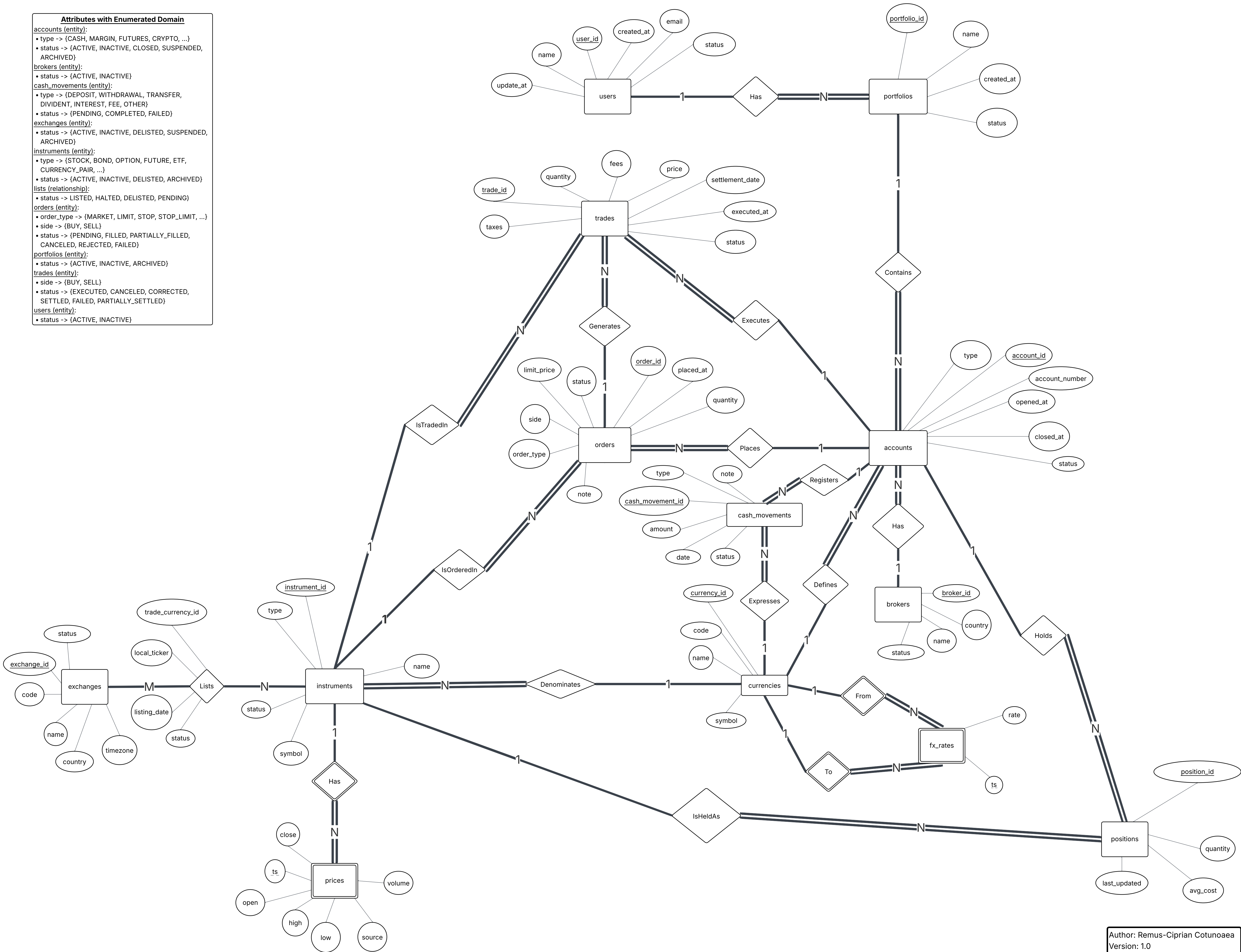


Entity-Relationship Diagram (Chen Notation) - Investment Management System

- Attributes with Enumerated Domain**
- accounts (entity):
- type -> {CASH, MARGIN, FUTURES, CRYPTO, ...}
 - status -> {ACTIVE, INACTIVE, CLOSED, SUSPENDED, ARCHIVED}
- brokers (entity):
- status -> {ACTIVE, INACTIVE}
- cash_movements (entity):
- type -> {DEPOSIT, WITHDRAWAL, TRANSFER, DIVIDENT, INTEREST, FEE, OTHER}
 - status -> {PENDING, COMPLETED, FAILED}
- exchanges (entity):
- status -> {ACTIVE, INACTIVE, DELISTED, SUSPENDED, ARCHIVED}
- instruments (entity):
- type -> {STOCK, BOND, OPTION, FUTURE, ETF, CURRENCY_PAIR, ...}
 - status -> {ACTIVE, INACTIVE, DELISTED, ARCHIVED}
- lists (relationship):
- status -> LISTED, HALTED, DELISTED, PENDING
- orders (entity):
- order_type -> {MARKET, LIMIT, STOP, STOP_LIMIT, ...}
 - side -> {BUY, SELL}
 - status -> {PENDING, FILLED, PARTIALLY_FILLED, CANCELED, REJECTED, FAILED}
- portfolios (entity):
- status -> {ACTIVE, INACTIVE, ARCHIVED}
- trades (entity):
- side -> {BUY, SELL}
 - status -> {EXECUTED, CANCELED, CORRECTED, SETTLED, FAILED, PARTIALLY_SETTLED}
- users (entity):
- status -> {ACTIVE, INACTIVE}



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Notation: Chen ER Model