**QUERIES UPDATED**

```
psql -U postgres -h localhost;
CREATE DATABASE pmp;
\c pmp;
CREATE EXTENSION IF NOT EXISTS timescaledb;
psql -U postgres -h localhost -d pmp;
```



```
CREATE TABLE Asset(
  Ticker TEXT PRIMARY KEY NOT NULL,
  Category TEXT NOT NULL,
  Name TEXT NOT NULL,
  Description TEXT
);
```

| User | |
|---|---|
| **PK** | **UUID** |
| | Name |
| | Email |
| | Phone |

```
CREATE TABLE Users(
   UUID INT PRIMARY KEY NOT NULL,
   Name TEXT NOT NULL,
   Email TEXT NOT NULL,
   Phone BIGINT NOT NULL CHECK (Phone> 0)
);
```

| Asset_Pricing | |
|---|---|
| PK,FK1 | **Ticket** |
| PK,FK2 | **Market_Traded** |
| HK | market_value |
| | timestamp |
| | currency |

```
CREATE TABLE Asset_Pricing(
    Ticker TEXT NOT NULL REFERENCES Asset(Ticker),
    Market_Traded DECIMAL  NOT NULL,
    timestamp1 timestamp with time zone default now() not null,
    market_value DECIMAL not null,
    currency DECIMAL not null,
    PRIMARY KEY (Ticker,Market_Traded)
);
SELECT create_hypertable('Asset_Pricing', 'timestamp1');
```

## Transaction

| | |
|---|---|
| PK | **Transaction_ID** |
| FK | UUID |
| FK | Ticker |
| | asset_market_price |
| | quantity |
| | Amount |
| | platform_fee |
| | Taxes |
| | total_amount |
| | currency |
| | timestamp |

CREATE TABLE Transaction(
Transaction_ID INT PRIMARY KEY NOT NULL,
UUID INT NOT NULL REFERENCES Users(UUID),
Ticker TEXT NOT NULL REFERENCES Asset(Ticker),
asset_market_price DECIMAL NOT NULL,
quantity DECIMAL NOT NULL,
Amount DECIMAL NOT NULL,
platform_fee DECIMAL NOT NULL,
Taxes DECIMAL NOT NULL,
total_amount INT NOT NULL,

currency DECIMAL NOT NULL,
timestamp2 timestamp with time zone default now() not null
);
SELECT create_hypertable('Transaction', 'timestamp2');

| Portfolio | |
| --- | --- |
| PK,FK1 | **UUID** |
| PK,FK2 | **Ticker** |
| | current_ticker_value |
| | invested_ticketr_value |
| | quantity |
| | invested_value |
| | current_value |
| | percent_change |
| HK | timestamp |
| | currency |

CREATE TABLE Portfolio(
UUID INT NOT NULL REFERENCES  Users(UUID),
Ticker TEXT NOT NULL REFERENCES Asset(Ticker),
current_ticker_value DECIMAL NOT NULL,
invested_ticker_value DECIMAL NOT NULL,
quantity DECIMAL NOT NULL,
invested_value DECIMAL NOT NULL,
current_value DECIMAL NOT NULL,
percentage_change DECIMAL NOT NULL,

```
timestamp3 timestamp with time zone default now() not null,
currency DECIMAL NOT NULL,
PRIMARY KEY (Ticker,UUID)
);
SELECT create_hypertable('Portfolio', 'timestamp3');
```