

Database Systems Project Schema

Team:

1. Daniel Schnoll: schnod
2. Michael Levine: levinm6
3. Karthik Suresh: suresk

Schema 1 - Securities

```
CREATE TABLE securities(  
    Ticker varchar(255),  
    Security varchar(255),  
    SECFilings varchar(255),  
    GICSSector varchar(255),  
    GICSSubIndustry varchar(255),  
    Address varchar(255),  
    DateAdded varchar(255),  
    CIK int,  
    PRIMARY KEY (Ticker)  
);
```

Schema 2 - Prices

```
CREATE TABLE prices(  
    date_ datetime,  
    symbol varchar(4),  
    open Numeric(9,6),  
    close Numeric(9,6),  
    low Numeric(9,6),  
    high Numeric(9,6),  
    volumen Numeric(10,1),  
    PRIMARY KEY(symbol, date_)  
);
```

Schema 3 - Fundamentals

```
CREATE TABLE fundamentals(  
    symbol varchar(4) REFERENCES securities(Ticker),  
    ending_ datetime,  
    payable Numeric(12,1),  
    receivable Numeric(12, 1),  
    add_inc_expense Numeric(12, 1),  
    roe Numeric(5, 1),  
    capital_expenditure Numeric(12, 1),  
    capital_surplus Numeric(12, 1),
```

```
cash_ratio Numeric(4, 1),
cash_equity Numeric(13, 1),
inventory_changes Numeric(11, 1),
common_stock Numeric(13, 1),
cost_of_revenue Numeric(13, 1),
current_ratio Numeric(4, 1),
deferred_asset_charges Numeric(12, 1),
deferred_liability_charges Numeric(12, 1),
depreciation Numeric(12, 1),
earnings_before_interest Numeric(12, 1),
earnings_before_tax Numeric(12, 1)
PRIMARY KEY (symbol, ending_)
);
```