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EECS 339

Financial Portfolio Lab: DDL

```sql
-- Users.
create table users (
    -- Each user must have a name and a unique one at that.
    name  varchar(64) not null primary key,
    -- Each user must have a password of at least eight characters
    password VARCHAR(64) NOT NULL,
    constraint long_password CHECK (password LIKE '_____%')
);
-- Portfolios
create table portfolios (
    username varchar(64) not null references users(name) on delete cascade,
    cash_amnt number not null,
    name varchar(256) not null,
    CONSTRAINT unique_user primary key (username, name)
);
-- Holdings
create table holdings (
    username varchar(64) not null,
    portfolio_name varchar(256) not null,
    stock_symbol varchar(16) not null references cs339.stockssymbols(symbol),
    shares integer not null,
    CONSTRAINT unique_portfolio foreign key (username, portfolio_name)
references portfolios(username, name) on delete cascade
);
-- DailyInfo
create table dailyinfo (
    timestamp number not null,
    symbol varchar(16) not null references cs339.stockssymbols(symbol),
    open number not null,
    close number not null,
    high number not null,
    low number not null,
    volume number not null,
    PRIMARY KEY (timestamp, symbol)
);

-- Create the required users
INSERT INTO users (name,password) VALUES ('anon','anonanon');
```

```
quit;
```