CS 4-5543 Database Systems Project

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Project Description:

This database is about stock checking system.
Relation table:
Stock Market may contains S&P 500, Dow 30, Nasdaq, Russell 2000, and those sub-classes, which are Currencies, ETF, Cryptocurrencies, most actives stocks, and commodities; plus, their attributes. Each sub-class may contains around 30 instances (those instances could increase or decrease in future discussion)
Dealer help customers purchase stock.
Customer could own many stocks.
Note: Those data collect from Yahoo FINANCE(https://finance.yahoo.com)

Functionalities:

Even though the prices of every stock are not stable, it increase or decrease when every market day opening. However, users could still use this database to check/update their own stock history. If DBA update those data frequently, users could keep tracking the up to date stock data.

E/R diagrams: