Stock Market Database

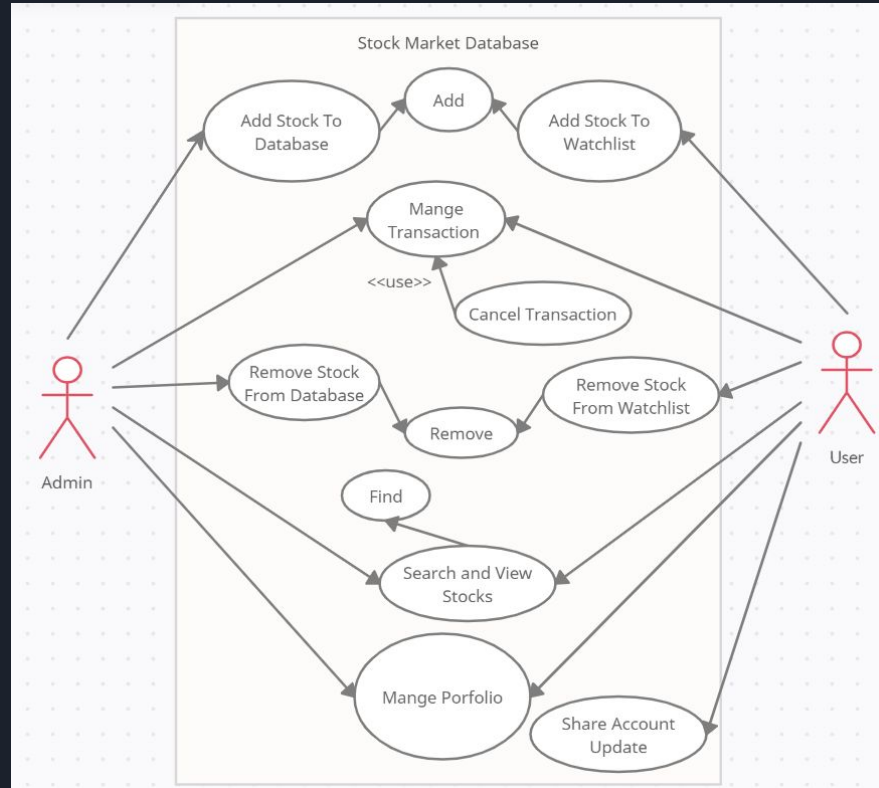By Baisong Liu and Misael Casarez

Description

- Our project is a stock portfolio management system

- Users will have a portfolio of stocks they've invested in

- Users can add or remove stocks from watch list

- Users are able to search for stocks

- Each stock has their market price, market volume, market cap, and 1 year history
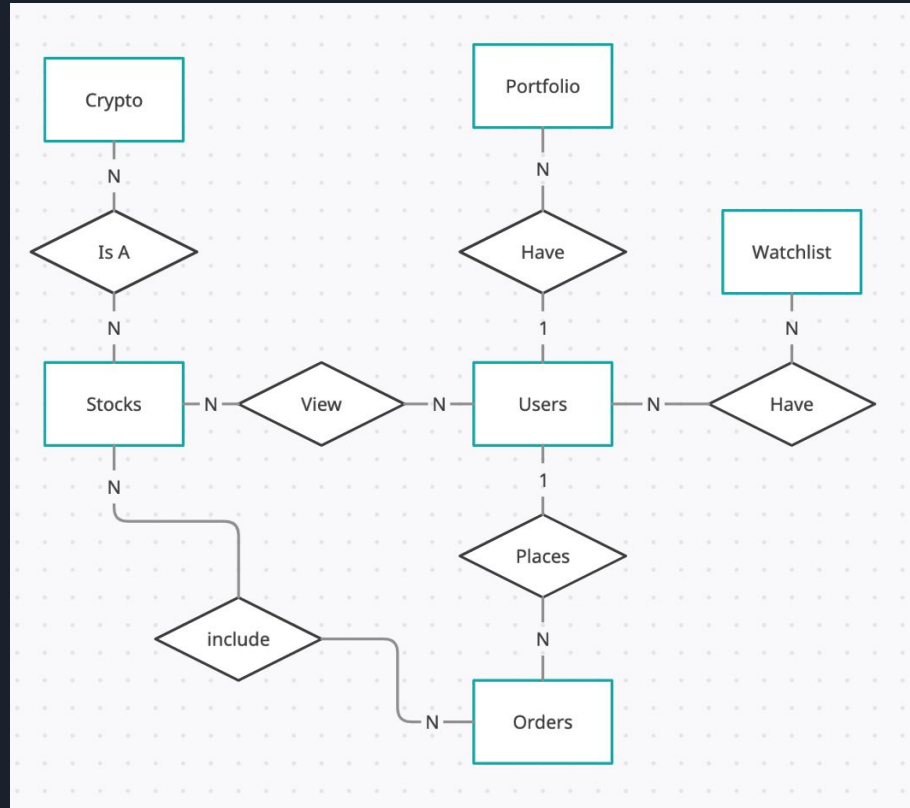
Implementation Details

- Web Application that allows users to search and add stocks to their portfolio

- Front-End: HTML, CSS

- Back-End: Flask(Python), SQLAlchemy, MySQL

- Other Libraries: Pandas

Use-Case Diagram

E/R Diagram

Relational Schema

Orders
- t_orderid
- t_userid
- t_ticker
- t_quantity
- t_tickerprice
- t_orderprice

Cypto
- c_ticker
- c_price

Stocks
- s_ticker
- s_price
- s_volume
- s_cap

Users
- u_userid
- u_username
- u_password
- u_bal

Portfolio
- i_ticker
- i_price
- i_volume
- i_cap
- i_quantity
- i_pricebought

WatchList
- w_ticker
- w_price
- w_volume
- w_cap