Entity Classes

User	**Child: Admin**
- Stores name, portfolio, id - Call votes or make transactions directly	- Portfolio

Admin	**Parent: User**
- A user that can regulate and ban other users - Control transaction flow	

Transaction	
- Stores id, asset being traded and other various information about the transaction.	- User - Asset

Portfolio	
- Stores array of assets - get and set assets	- Asset

Asset	
-Stores asset symbol, price, quantity. - getter and setter for price and quantity	

Vote	
- stores id, symbol of asset being traded. - stores voter name and vote power	-Transaction -User

Use Case Classes

UserManager	
- Delete, add, get, set users	-User

Voting Manager	
- Add, delete, store votes	-Transaction manager -Vote

TransactionManager	
- Delete, add, get, set, and store transactions	-Transaction

PortfolioManager	
- Update global portfolio - Determine the net worth - Stores performance history	-User manager -TransactionManager

<I> DataAccessInterface	
- Load data from API (Used for dependency inversion)	

<I> Command

- Force implementation of execute() which executes the command
- Classes that implement Command (executable commands) include:

Help: Get information on all available commands.
Kick: Kick a user out of the system.
Leave: Let the user leave the system.
CheckPrice: Get the current price of a stock.
Upvote: Vote in favour of a transaction.
Downvote: Vote against a transaction.
CreateUser: Register a new user into the system.
ViewVotes: View the existing votes for a transaction.
Buy: Initiate a buy transaction.
Sell: Initiate a sell transaction.

* The referenced classes will all implement this interface with similar structures and demonstrate similar behaviour patterns, we forgo creating individual CRC cards for these classes for simplicity sake.

Controller Classes

CommandParser	
● Parses the input string and outputs a command	-<I>Command

CommandExecuter	
● Takes a command and executes it.	-CommandParsers

GraphicsPresenter	
● Visualizes data ● WIP	-PortfolioManager

Interface Classes

CLI	
• Command line interface input	-Command Parser

GUI	
• Graphical user interface for displaying data	-GraphicsPresenter

YahooFinance	
• Inputs real-time financial data into the system • Cleans up data	<I>DataAccessInterface