

USE CASES

General Information:

- The Equity Trading Platform will display live stock data from Yahoo! and will be updated every 15 seconds.
- The trader can buy or sell stock using this application and view their past transactions as well.
- The application supports concurrent processing of trades (buy/sell).

Use Case 1:

The trader is provided with two strategies: Two Moving Averages and Bollinger Bands. The trader can select one or both strategies to be applied on one or more stocks.

Preconditions:

1. The live data is fetch successfully by JMS
2. The platform with strategies selection is presented to users.

Basic flow:

1. The system provides a platform to show live stock price data.
2. The user can search a certain stock by company name.
3. The user can see the stock's live price and whether its open or close.
4. The user can click on a stock and select one or more strategies that can be applied to this stock.
5. The user clicks on Start button to run the strategies on the selected stocks.
6. The strategy runs on the stocks and makes buy/sell decisions.
7. The user must click on the Stop button when they want to end running the strategy.
8. The strategies will calculate the profit, loss and ROI (Return on investment) and store this in the transaction history table.
9. The application will save the trader's transactions in the database.

Use Case 2:

Trader clicks on Transaction button to see the trading history

Basic flow:

1. The trader can click on a Transaction History button.
2. A table/graph of the trader's transaction info including net profit/loss and ROI will be presented for trader to view.