You will be building a virtual stock trading system for whoever wants to learn how to invest in stocks.

The system must use real-time pricing via [Yahoo finance API](https://www.google.com/url?q=http://stackoverflow.com/questions/10040954/alternative-to-google-finance-api&sa=D&usg=AFQjCNF6G4Efv6-4RDHjT-zZbCXiJVmdUg) and will support USD currency only. The system has two features:

1. Buying stocks
2. Request

                “stockSymbolAndPercentage”: string (E.g. “GOOG:50%,YHOO:50%”)

                “budget” : float32

1. Response

“tradeId”: number

“stocks”: string (E.g. “GOOG:100:$500.25”, “YHOO:200:$31.40”)

“unvestedAmount”: float32

1. Checking your portfolio (loss/gain)
2. Request :               “tradeId”: number
3. Response

“stocks”: string (E.g. “GOOG:100:+$520.25”, “YHOO:200:-$30.40”)

“currentMarketValue” : float32

“unvestedAmount”: float32

The system will have 2 components: client and server.

1. server: the trading engine will have JSON-RPC interface for the above features.
2. client: the JSON-RPC client will take command line input and send requests the server.

http://query.yahooapis.com/v1/public/yql?q=select%20%2a%20from%20yahoo.finance.quotes%20where%20symbol%20in%20%28%22YHOO%22%2C%22AAPL%22%2C%22GOOG%22%2C%22MSFT%22%29%0A%09%09&env=http%3A%2F%2Fdatatables.org%2Falltables.env&format=json