Project OKex Futures

API Documentation: https://github.com/okcoin-okex/API-docs-OKEx.com
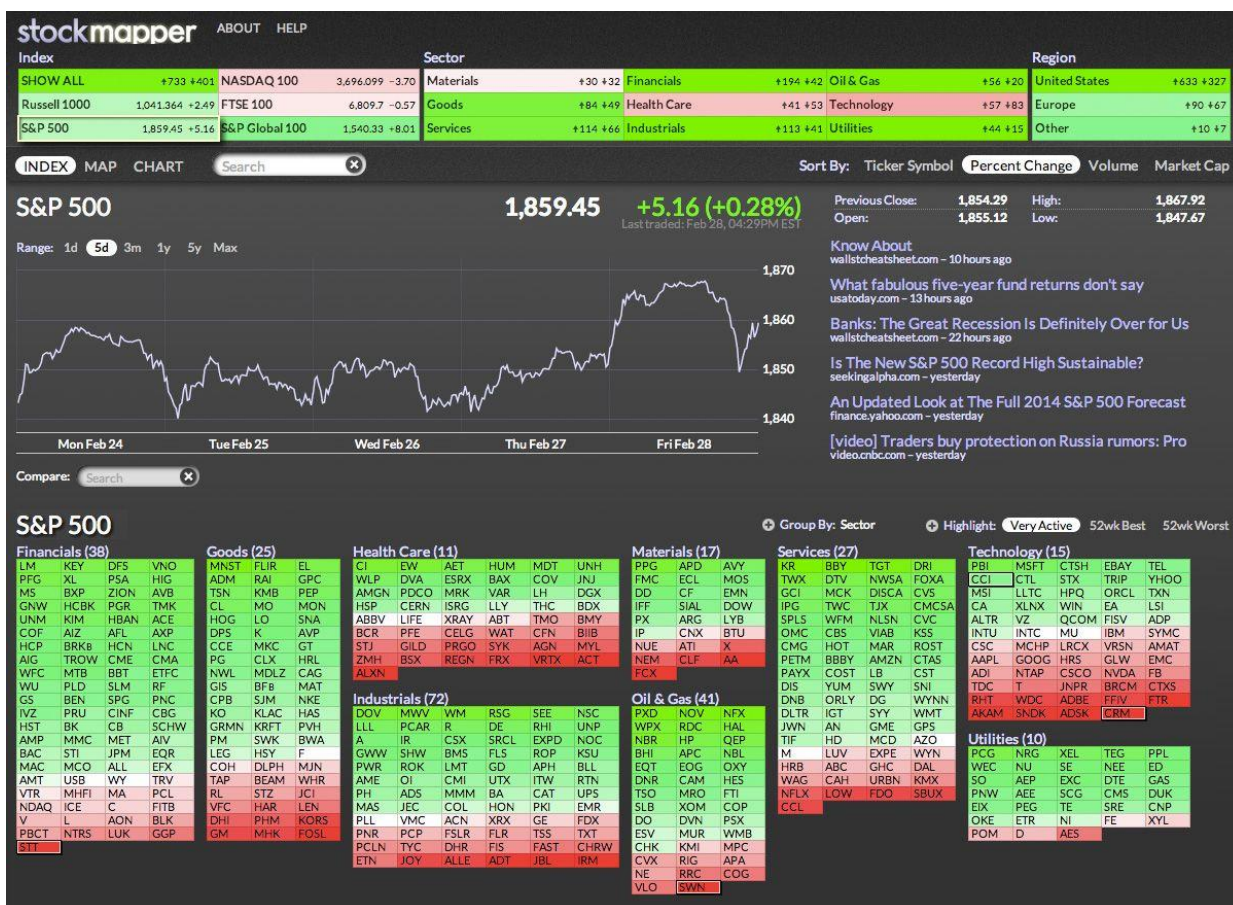
1. Pull data from exchange for three expirations on 4 cryptocurrencies
   a. Expirations = Weekly, Biweekly, Quarterly
   b. Cryptocurrencies = Bitcoin, Ethereum, Litecoin, Ethereum
2. Store data in data base to build charts
3. Visualize a historical and real time futures chart
4. Visualize the futures spreads
   a. (Quarterly – Biweekly)/Biweekly = Futures spread
5. Consider orderbooks for a "proprietary executable" spread – **To do in the future**
6. Route execution to the Okex exchange to have click to enter/exit spread functionality

Project Capital Market Dashboard – We could sell this

Overview: Build a customizable real-time data dashboard for storing and viewing financial data.

Sample product: Stockmappr

Functionality:

1. Customizable sectors & subsectors
2. Fundamental & technical data input via typing in ticker and clicking (**I can mock up later)**
   a. Sample Fundamental

   b. Sample Technical

1. Find sources for API of financial data - Yahoo, etc.

2. Input a traditional Ticker – Price display system

Monitor	Portfolio	Favorites	US Movers	+
FIN I...	**LAST**	**CHANGE**	**MKT VLDLY...**	**CHANGE %**
GLD	◆ 112.81	-0.70		-0.62%
SPY	◆ 289.86	-0.45		-0.16%
FXI	◆ 42.09	-0.30		-0.71%
DIA	◆ 259.72	-0.13		-0.05%
IWM	◆ 172.44	-0.58		-0.34%
USO	◆ 14.58	-0.13		-0.88%
VIX D...	◆ 3.50	0.00		0.00%
VIX IN...	◆ 13.16	+0.30		2.33%
VIX S...	◆ 1.25	+0.10	375 37	8.70%

3. Integrate custom grouping/Sectorization
4. Use financial data from (1) to have custom real-time comparable tables

	Market Data			Financial Data				Valuation			
Company Name	**Price** (\$/share)	**Market Cap** (\$M)	**TEV** (\$M)	**Sales** (\$M)	**EBITDA** (\$M)	**EBIT** (\$M)	**Earnings** (\$M)	**EV/Sales** x	**EV/EBITDA** x	**EV/EBIT** x	**P/E** x
The Coca-Cola Company	38.14	168,041	185,122	46,854	13,104	11,127	7,381	4.0x	14.1x	16.6x	22.8x
Pepsico, Inc.	81.37	123,883	143,824	66,415	12,344	9,878	5,618	2.2x	11.7x	14.6x	22.1x
Dr Pepper Snapple Group, Inc.	52.31	10,326	12,764	5,997	1,319	1,103	620	2.1x	9.7x	11.6x	16.7x
Monster Beverage Corporation	69.62	11,618	11,004	2,246	606	584	357	4.9x	18.1x	18.9x	32.5x
National Beverage Corp.	20.81	964	968	645	78	66	41	1.5x	12.5x	14.6x	23.5x
Average								2.9x	13.2x	15.3x	23.5x
Median								2.2x	12.5x	14.6x	22.8x