

StockSoft v6

Stock Market Analysis Tool

Fall 2012

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Purpose

- StockSoft present users with analytical set of trading methods with a comparative view of selected stocks
- Users then could make investment strategies quite easily
- Confront challenges in analyzing large amounts of stock information without any numerical analysis

Product Scope

- Develop software that will be utilized by a competitive stock traders.
- Stock traders will be presented with action-suggestive graphical outputs using trading algorithms, for example- MACD (Moving Average Convergence and Divergence) using user-defined stocks.
- Users cannot use StockSoft to buy or sell stocks.

Current Status

- Ancestry Design Teams: Purple Penguins then Money Makers software teams.
- We intend to fix a series of problems we have found with the delivered product by the last teams, and also improve its functionality along with interfaces so that the scope is enhanced for end users.

Proposed Solution/Improvement

- **Faster database update:** Fetching the most up to date and reliable stock information from internet into our database.
 - Currently, the update feature is manual and takes longer. We will be enabling real time database update engine.
- **Reporting/Export to spreadsheet:** allowing users to use the produced data for future references.
- **Stock RSS Feeds:** Add stock related RSS feeds, so the user will remain up to date with the latest stock news and views.
- **Improved Graphical User Interface (GUI):** We will fix the screen dimensions to more like a flexible view according to user preference.
 - Current interface is focused on one single screen, which appears to be fixed in length. Often some of the program function appears to be out of screen bounds.

Software configuration

- OS Platform: Windows, Mac OS X, Linux
- Concept: Object-Oriented Programming
- Language: Java
- Exploitation platform: NetBeans

Proposed Deliverables

Stocks

- StockSoft will be capable of downloading, storing, and analyzing the closing prices of any multitude of user-selected stock(s).
- An analytical interface will be displayed by two graphs:
 1. The first graph represents time series of the stock(s) closing prices.
 2. The second graph will be numerical analysis (more information on next slide)
- The user is able to take action on stock(s)

Proposed Deliverables

Methods

- The user has the option to select a method to be used in the second graph in two ways:
 1. First, the user could select a desired stock and a list of three trading methods that best suit that stock will be displayed with a ranking from 1 to 3. The user will then be able to select the method they wish to use from this list.
 2. Secondly, the user may begin by selecting one of the three methods already available for use. StockSoft will display the top three user-selected stocks for trading with the desired method and state which one is the best..

Anticipated Challenges

- Time: Time for exploiting and testing is limited. The project has to be finished in at most three months; difficult to discover potential flaws and errors in the software product.
- Skill sets: Team members lack of professional knowledge to the principle of finance and stock market.

Other Concerns

- Stocksoft will need continued maintenance.
 - It is important to make the source files are understandable and readable for further exploitation.