

Name: Kirk (Jack) Partridge

Title: Stock Tracker

Project Summary: A GUI application that will aid with tracking stock purchases and sales. Will allow users input recent stock transactions and will keep track of performance of said stocks. Users will also be able to request a dump of all previous transactions as well as import transactions from a csv file.

Project Requirements:

ID	Description
US-01	As a user, I want to be able to sign up to use the application.
US-02	As a user, I want to be able to login using credentials established during sign up.
US-03	As a user, I want to be able to input a new stock transaction.
US-04	As a user, I want to be able to remove old stock transactions.
US-05	As a user, I want to be able to view details of a specific stock transaction.
US-06	As a user, I want to be able to view current stock performance.
US-07	As a user, I want to be able to search for transactions by ticker symbol.
US-08	As a user, I want to be able to view search results in a single window.
US-09	As a user, I want to be able to select from search results to display a specific transactions details.
US-10	As a user, I want to be able to request a csv download of all transaction data.
US-11	As a user, I want to be able to import a csv of transaction data.
US-12	As a user, I want to be able to follow a URL hyperlink for a specific stock.

UI Mockups:

Each page will have a home button that will return the user to the home screen. Many functions are in the File / Import / Export tool bar at the top of each window. This will be written in C++ using QT. If these pictures are hard to see / read, see github for fullsize images.

View Transactions

File | Import | Export |

Home Search:

Symbol	\$	#	Date	Type	Exit
AAPL	100	10	2/1/	Sell	<input type="checkbox"/>
AAPL	95	10	2/1/	Buy	<input type="checkbox"/>
:	:	:	:	:	:

Add Transaction

File | Import | Export |

Home

Symbol:

Price:

Quantity:

Date:

Export

File | Import | Export |

Home Export

File Browser

Import

File | Import | Export |

Home

CSV
Other

File Browser

Screen View

File | Import | Export |

Search:

Screen: AAPL Price: 100
Performance: Today %
Week
YTD

Transactions:

Type	Price	Qty	Date
Buy	95	10	1/1
Sell	105	10	1/1

Search

File | Import | Export |

Search: AAPL

Sym	Desc
AAPL	Computer...
AAPL	...
AAPL	...

Login

StockTrack

User:

Password:

Login

Sign Up

HomeScreen

File | Import | Export |

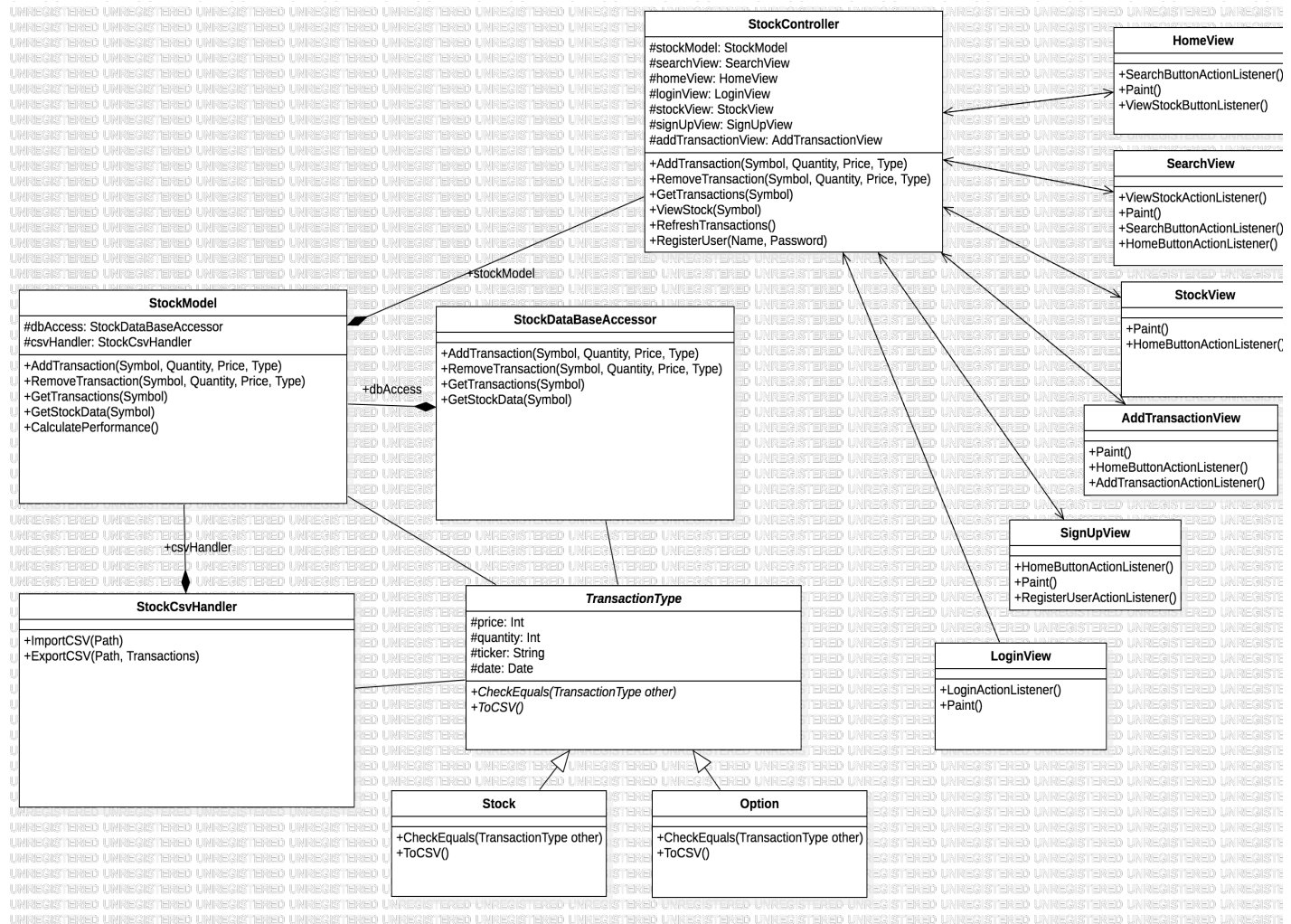
Search:

Performance: Today: \$ %
Week:
YTD:
Total:

Current Prices:

Sym	Price	Change
AAPL
SPX

Class Diagram:



Bigger image available in github.

Design Patterns: In Work – MVC, Template, Another TBD.