Stocker User's Guide

What is Stocker?

Stocker is a stock alert application built in Java. Using this program, you can monitor various stocks and set high and low threshold values, so when a specific stock goes outside its specified range, you will be alerted with an email.

Configure Stocker

Copy the Source Code

1. Download the Source directory from the Stocker project in GitHub.
2. In Eclipse, create a project entitled "Stocker" and add the source files from the Stocker project from GitHub.
3. Add the libraries needed to send emails and to draw charts with Stocker. Refer to the "AddingJavaMailJFreeChartandJCommonlibrariestoEclipse.pdf" file in the Stocker/Docs directory.

Set Your Path Name

In the runPeriodicTask.java file, you must set the path name for the operating system you are currently working on.

- Linux -- If you want to run this application on Linux, set "pathNameLinux" to point to a location where files can be written to and read from.

- Mac -- If you want to run this application on a Mac, set "pathNameMac" to point to a location where files can be written to and read from.

- Windows -- If you want to run this application on a Windows machine, set "pathNameWindows" to point to a location where files can be written to and read from.

You can set all 3 variables if you want to use Stocker on all 3 operating systems.

How Do I Use Stocker?

Stocker is a GUI driven Java application. Run the runPeriodicTask.java file and you will see a GUI like that shown in Figure 1, below.
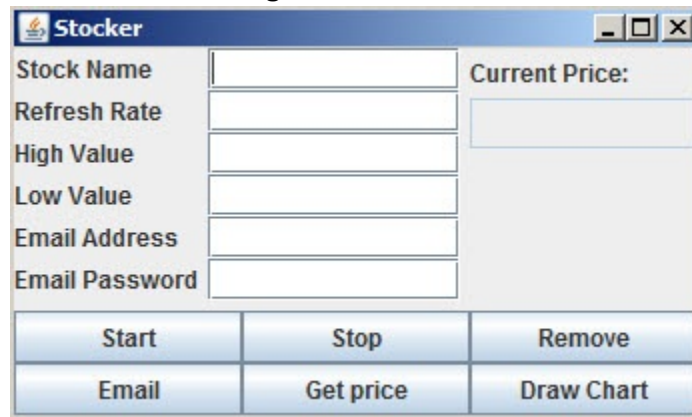
Figure 1: Stocker

Table 1: Stocker Fields

Field	Description
Stock Name	Enter the ticker symbol for the stock you would like to track. For example, "GOOG" for Google or "YHOO" for Yahoo.
Refresh Rate	Enter an integer to set how frequently the stocks will be checked. For example, setting this to 10 means that the stocks will be checked every 10 seconds.
High Value	This sets the high threshold value. Stocker will automatically email you if the stock price goes higher than this value.
Low Value	This sets the low threshold value. Stocker will automatically email you if the stock price goes lower than this value.
Email Address	Enter you email address so Stocker can email you when a stock goes higher than its high threshold, lower than its low threshold, or when you click the Email button on the GUI.
Email Password	You must enter the password to your email account because Stocker sends this email from your email address to your email address.

*Note that the field below Current Price is not editable. This field is automatically updated as Stocker obtains the last trade value for each active stock.

Table 2: Stocker Buttons

Button	Function
Start	After filling out the fields listed in Table 1, above, click this button to begin tracking a stock. Once clicked, this button turns into an "Add/Update" button as shown in Figure 2. The data acquired for each tracked stock is written to its own text file.
Add/Update	The "Add/Update" button enables you to track additional stocks simultaneously. If the stock is already being tracked, then clicking this button updates the High Value and Low Value thresholds.
Stop	Quits the program.
Remove	Stops tracking the ticker symbol that is specified in the Stock Name field.
Email	Sends an email with the ticker symbol and its last trade value.
Get Price	Obtains the last trade for the ticker symbol specified in the Stock Name field.
Draw Chart	Plots a chart of the ticker symbol specified in the Stock Name field. For each stock Stocker tracks, the data is written to a text file by the ticker symbol name. Stocker uses the data in this file to create a chart.

Figure 2: Stocker When Running