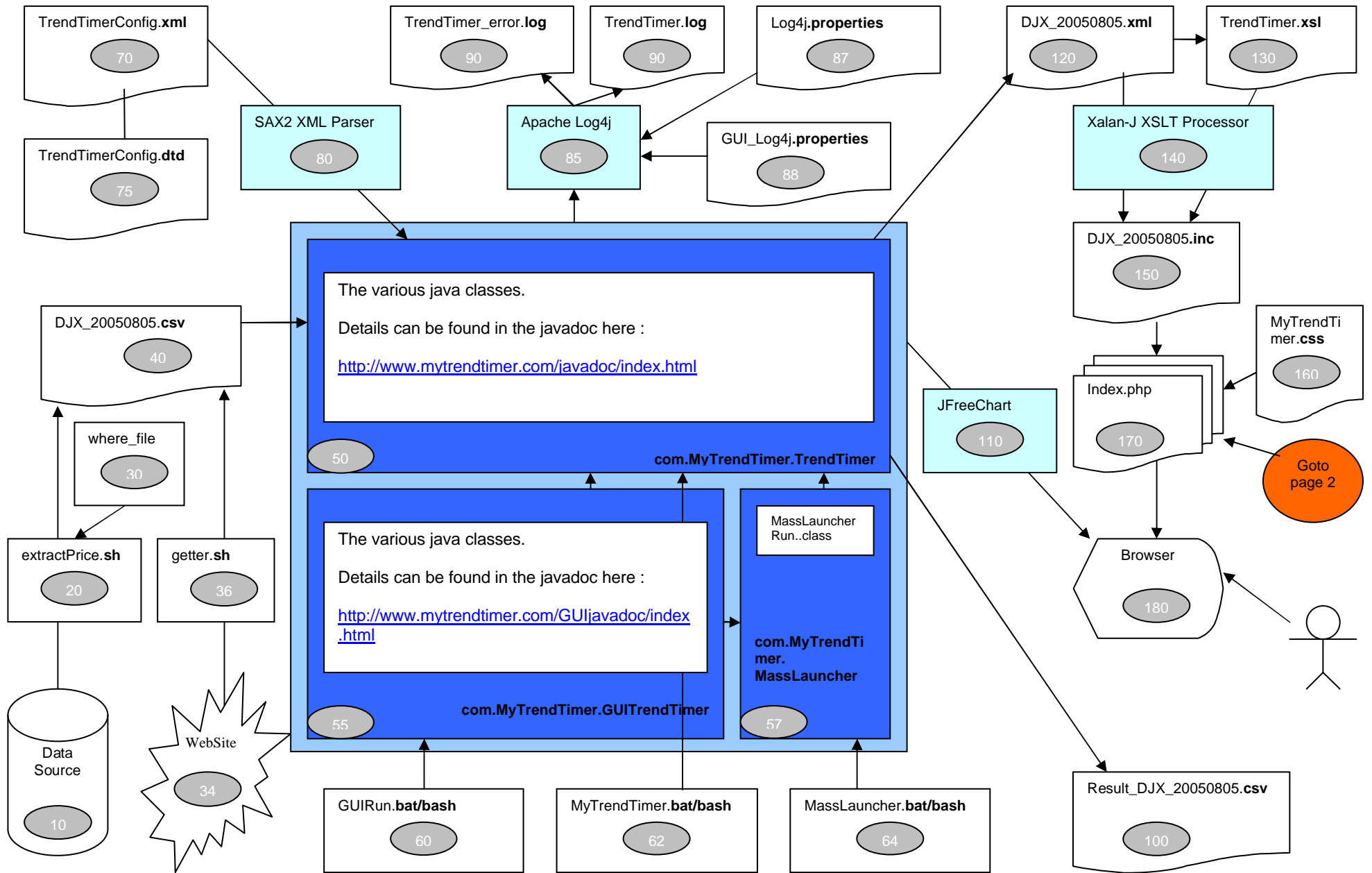


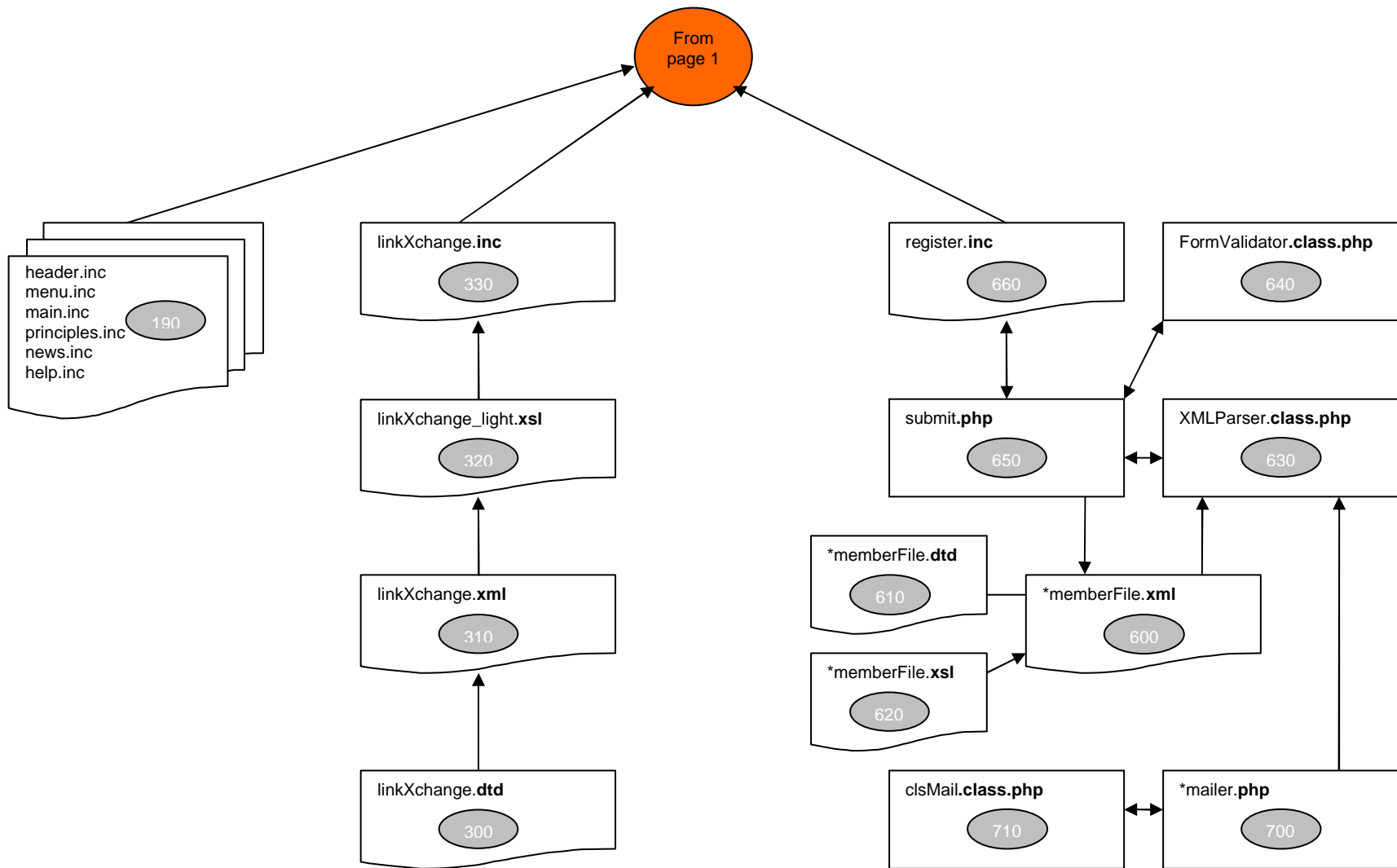
MyTrendTimer v0.99.94

<i>MyTrendTimer v0.99.94</i>	<i>1</i>
Technical Overview	2
Legend page 1	4
Legend page 2	5
Legend page 3	6
Legend page 4	7
Swing GUI Screenshot	8
Configuration file	9
Input File	9
Output Files	10
XML Result	10
HTML Result	10
PNG Result	11
CSV Result	12
Log File	12

Technical Overview



Examples of produced reports and other information can be found on www.MyTrendTimer.com



Legend page 1

Data extraction

10

Database, file, data feed etc... where the quotes are available.

20

Shell script (.sh) or Batch file (.bat) that extract the quote data.

30

Flat file used as a criterion to extract the quote data.

34

Website or webservice etc... where the quotes are available.

36

Shell script (.sh) or Batch file (.bat) that extract the quote data found on the website, webservice.

Script to launch application

60

Shell Script (.bash) for the *nix platform and batch file (.bat) for the windows platform used to start the GUI.

62

Shell Script (.bash) for the *nix platform and batch file (.bat) for the windows platform used to start the core.

64

Shell Script (.bash) for the *nix platform and batch file (.bat) for the windows platform used to start the MassLauncher.

Core and algorithm implementation

40

The "Coma Separated Values" (.csv) file which is formatted and ready to be read and parsed.

50

The core of the TrendTimer. The 13 java classes handle the logic. The package is com.MyTrendTimer.TrendTimer.

55

The GUI of the TrendTimer. The various classes that implement a GUI in Java Swing . The package is com.MyTrendTimer.GUITrendTimer.

57

The MassLauncher of the TrendTimer. MassLauncher is used to determine the most suitable arguments for the MyTrendTimer programm. The package is com.MyTrendTimer.MassLauncher

Program parameterization and configuration

70

The "eXtensible Markup Language" (.xml) file which contain the configuration and the static data as well.

75

The "Document Type Definition" (.dtd) file which check and validate the configuration file

80

The "Simple API for XML". SAX is the best API available for streaming XML processing, for processing documents as they're being read.

Legend page 2

Program logging

85

The « Logging 4 Java » (log4j) is a API to efficiently produce log files.

87

The properties file for the log4j API used for the MyTrendTimer core. Here you set rotations (time or size), log level, log files name and path etc...

88

The properties file for the log4j API used for the MyTrendTimer GUI. Here you set rotations (time or size), log level, log files name and path etc...

90

The logs files produced by the core and the GUI of the TrendTimer. Used for monitoring and troubleshooting if any.

Program output files and transformation

100

The "Coma Separated Values" (.csv) file which contains the quotes AND the buy/sell operations. A chart or a deeper analysis can be produced with a spreadsheet. Also useful for debugging purpose.

110

The JFreeChart chart generator API is used to produce the "Portable Network Graphic" (.png) image of the chart.

120

The "eXtensible Markup Language" (.xml) file which contains the results (returns, operations, technical infos etc...) produced by the core of the TrendTimer.

130

The "eXtensible Stylesheet Language" (.xsl) file used to format the result.

140

Xalan is the Apache Group implementation of the the XSLT XML transformation language has well as the XPath and the XML query language.

150

The "include" (.inc) file which is the result of the XSLT transformation. In fact an .html table

Web Site static infrastructure

160

The "Cascading Style Sheets" (.css) file used to add style (e.g. fonts, colors, spacing) to the html document.

170

The "Personal Home Page hypertext processor" (.php) file. This file include other files (menu, header etc...) to produce a single .html page.

180

The browser where the final result is published and displayed.

190

The "include" (.inc) files which contain the menu, the header, the body, the news and the archives etc..

Web Site link management

300	The "Document Type Definition" (.dtd) file which check and validate the linkXchange xml file
310	The "eXtensible Markup Language" (.xml) file which contain linkXchange data. (title, url, text etc...)
320	The "eXtensible Stylesheet Language" (.xsl) file used to format the result.
330	The "include" (.inc) file which is the result of the XSLT transformation. In fact an .html table. The transformation is done with command line tool : xsltproc (which use libxslt).

Web Site new member management

600	The "eXtensible Markup Language" (.xml) file which contain members data. (firstname, lastname, e-mai, country etc...)
610	The "Document Type Definition" (.dtd) file which check and validate the member file
620	The "eXtensible Stylesheet Language" (.xsl) file used to give a better view on the .xml file. (display purpose only)
630	The "Personal Home Page hypertext processor" (.class.php) class file. This class implements the XML parser.
640	The "Personal Home Page hypertext processor" (.class.php) class file. This class implements some method to validate a form for completion (not null, valid e-mail etc...)
650	The "Personal Home Page hypertext processor" (.php) script file. It acts as a flows controller and interacts with the objects.
660	The "include" (.inc) files which contain registration html form.

Web Site mailing management

600	The "eXtensible Markup Language" (.xml) file which contain members data. (firstname, lastname, e-mai, country etc...)
610	The "Document Type Definition" (.dtd) file which check and validate the member file
620	The "eXtensible Stylesheet Language" (.xsl) file used to give a better view on the .xml file. (display purpose only)
630	The "Personal Home Page hypertext processor" (.class.php) class file. This class implements the XML parser.
700	The "Personal Home Page hypertext processor" (.php) script file. It acts as a flows controller and interacts with the objects.
710	The "Personal Home Page hypertext processor" (.class.php) class file. This class implements some method to send a valid e-mail.

Swing GUI Screenshot

package com.MyTrendTimer.GUI.TrendTimer



Examples of produced reports and other information can be found on www.MyTrendTimer.com

Configuration file

Example for Dow Jones Industrial (DJX).

File: TrendTimerConfig.xml

Content sample:

```
<instrument id="DJX">
  <symbol>DJI</symbol>
  <fullname>Dow Jones Industrial Average</fullname>
  <underlying>DIAMONDS Trust, Series 1 (DIA)</underlying>
  <currency>USD</currency>
  <comment>Iran announced on Monday it had begun industrial-scale nuclear fuel production in a fresh snub to the U.N. Security Council. </comment>
  <arg0>46</arg0>
  <arg1>96</arg1>
  <csvoutputgeneration>0</csvoutputgeneration>
  <periodicperfgeneration>1</periodicperfgeneration>
  <statgeneration>1</statgeneration>
  <htmlTransformation>1</htmlTransformation>
  <maxDayGapWarn>9</maxDayGapWarn>
  <maxDailyPercQuoteChangeWarn>7</maxDailyPercQuoteChangeWarn>
  <nbrOfDigits>2</nbrOfDigits>
  <minYaxis>7000</minYaxis>
  <maxYaxis>13000</maxYaxis>
  <chartImgGeneration>1</chartImgGeneration>
</instrument>
```

Input File

Example for Dow Jones Industrial.

File: DJX_20070410.csv

Content sample:

```
03.01.2000,11455.00
04.01.2000,11082.00
```

Examples of produced reports and other information can be found on www.MyTrendTimer.com

05.01.2000,11219.00
06.01.2000,11304.00
07.01.2000,11664.00
10.01.2000,11700.00
11.01.2000,11623.00
12.01.2000,11635.00
13.01.2000,11670.00
14.01.2000,11839.00
18.01.2000,11659.00
[...]

Output Files

XML Result

File : DJX_20070410.xml

Content sample :

```
<?xml version="1.0" encoding="ISO-8859-1"?>
<?xml-stylesheet type="text/xsl" href="TrendTimer0999x.xsl"?>
<!-- ***** -->
<!-- ***** Generated by MyTrendTimer v0.99.92.3 on 10.04.2007 09:54:11 ***** -->
<!-- ***** -->
<TrendTimerResults>
<!-- ***** Data related to the financial instrument (extracted from xml config file) ***** -->
<instrument>
  <FullnameName>Dow Jones Industrial Average</FullnameName>
  <SymbolName>DJI</SymbolName>
  <CurrencyName>USD</CurrencyName>
[...]
```

HTML Result

File : DJX_20070410.inc

Content sample:

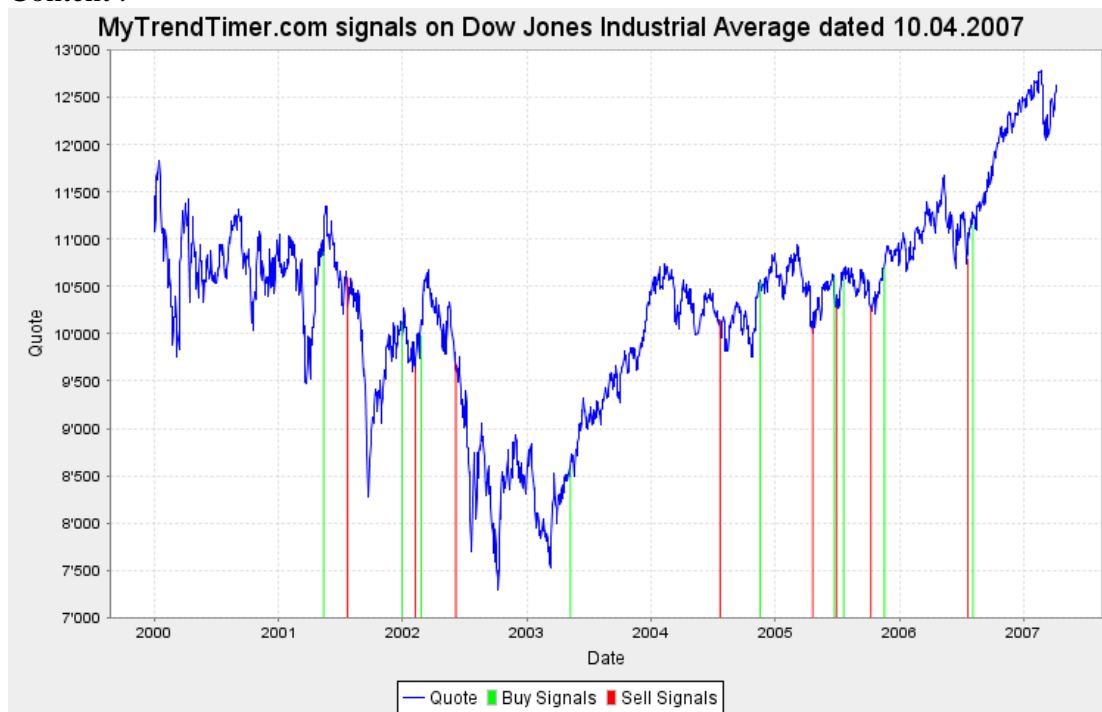
Examples of produced reports and other information can be found on www.MyTrendTimer.com

```
<table border="1" width="90%" cellpadding="10" cellspacing="5" class="center">
<tr>
<th colspan="2" title="Asset under review and date of the analysis">
MyTrendTimer :
Dow Jones Industrial Average
of
April 10, 2007</th>
</tr>
[...]
```

PNG Result

File : Chart_DJX_20070410.png

Content :



Examples of produced reports and other information can be found on www.MyTrendTimer.com

CSV Result

File : Result_DJX_20070410.csv

Content sample :

```
03.01.2000;11455.0;487.45;236.19;+1'145'400.00;*NA*;251.26;+2.19;0;0;0;0;0
04.01.2000;11082.0;938.28;459.81;-3.26;*NA*;478.47;+4.32;0;0;0;0;0
05.01.2000;11219.0;1375.76;681.65;+1.24;*NA*;694.11;+6.19;0;0;0;0;0
06.01.2000;11304.0;1798.23;900.67;+0.76;*NA*;897.57;+7.94;0;0;0;0;0
07.01.2000;11664.0;2218.05;1122.59;+3.18;*NA*;1095.46;+9.39;0;0;0;0;0
10.01.2000;11700.0;2621.54;1340.68;+0.31;*NA*;1280.86;+10.95;0;0;0;0;0
11.01.2000;11623.0;3004.58;1552.69;-0.66;*NA*;1451.89;+12.49;0;0;0;0;0
12.01.2000;11635.0;3371.83;1760.57;+0.10;*NA*;1611.26;+13.85;0;0;0;0;0
13.01.2000;11670.0;3724.95;1964.89;+0.30;*NA*;1760.06;+15.08;0;0;0;0;0
14.01.2000;11839.0;4070.23;2168.48;+1.45;*NA*;1901.75;+16.06;0;0;0;0;0
[...]
```

Log File

File : MyTrendTimer.log

Content sample :

```
2007-04-17 09:08:16,233 INFO (      GUIMenu.java: 125) - Started method actionPerformed with :Change log
2007-04-17 09:08:54,827 INFO (      GUIMenu.java: 125) - Started method actionPerformed with :About MTT
2007-04-17 09:09:59,812 INFO (      GUIRun.java: 133) - Started method main of GUI MyTrendTimer v0.75
2007-04-17 09:09:59,890 INFO (      GUIRun.java: 71) - Started constructor createAndShowGUI
2007-04-17 09:10:00,000 INFO (      GUIButtons.java: 50) - Started constructor GUIButtons
2007-04-17 09:10:00,031 INFO (      GUIMenu.java: 57) - Started constructor GUIMainMenu
2007-04-17 09:10:00,125 INFO (      SAX2Handler.java: 185) - End parsing /etc/TrendTimerConfig.xml (filter : ALL)
2007-04-17 09:10:00,187 INFO (      GUITextField.java: 65) - Started constructor GUITextField
2007-04-17 09:10:00,281 INFO (      GUICheckBox.java: 65) - Started constructor GUICheckBox
2007-04-17 09:10:05,484 INFO (      GUIMenu.java: 125) - Started method actionPerformed with :DJX 20070417
2007-04-17 09:10:05,484 INFO (      MyTrendTimer.java: 228) - <----->
2007-04-17 09:10:05,484 INFO (      MyTrendTimer.java: 229) - Starting MyTrendTimer v0.99.94
2007-04-17 09:10:05,515 INFO (      SAX2Handler.java: 185) - End parsing /etc/TrendTimerConfig.xml (filter : DJX)
2007-04-17 09:10:05,875 INFO (      MyTrendTimer.java: 520) - Start writting the XML file.
2007-04-17 09:10:05,937 INFO (      MyTrendTimer.java: 631) - Start the main loop
2007-04-17 09:10:07,047 INFO (      MyTrendTimer.java: 969) - End the main loop
```

Examples of produced reports and other information can be found on www.MyTrendTimer.com

```
2007-04-17 09:10:07,109 INFO ( MyTrendTimer.java:1127) - Start periodicperfGeneration
2007-04-17 09:10:10,765 INFO ( MyTrendTimer.java:1243) - Start statGeneration
2007-04-17 09:10:11,969 INFO ( MyTrendTimer.java:1507) - Result Summary :;46;96;MyTrendTimer v0.99.94;5828;17.04.2007
09:10:11;0.7;C:\local\java\TrendTimer\data\DJX_20070417.csv;17;2.829403606102635;-4.55;15;337;6;440;1.8386506;2.835115;1.820541;-
0.91453934;0.80596524;-1.0145739;-3.7496543;-2.0291498;-0.01810956;-2.75319;-1.0326853;
2007-04-17 09:10:11,969 INFO ( MyTrendTimer.java:1527) - Start htmlTransformation
2007-04-17 09:10:12,437 INFO ( MyTrendTimer.java:1560) - Start ImgGeneration
2007-04-17 09:10:12,469 INFO ( MyTrendTimer.java:1598) - Ending MyTrendTimer v0.99.94
[...]
```