

## **APPENDIX A**

### **SOURCE CODE**

Appendix A contains all the source code I produced in the project. Below is a list of the files and what their function is in the product.

- admin.py – helps with how the admin interface looks like.
- DistrGraph.py – is working with creating the distribution graph.
- Importall.py – is a command for manage.py to import data
- result.html – is the HTML template to show results.
- Settings.py – is the configuration for the Django project.
- Urls.py – defines how URLs maps to views.
- Base.html – is the base layout for the page.
- Extractor.py – is the ....
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## APPENDIX B

### INSTALLATIONS

This appendix contains the installation procedure. There are two different installation procedures. One which handles how I install on the Freyr server, and another how a development server can be installed for demonstration purposes.

Installation on server

This document describes the installation on Freyr's development server.

#### ***Python libraries***

Python libraries are required in order to run the application. The easiest way to install is to use a tool called EasyInstaller, which downloads libraries from the internet. The following describes the procedure for the required libraries.

1. First, EasyInstaller must be installed, it is in the "installer" folder.
2. After it is installed, then easy\_install can be used.
3. easy\_install lxml==2.1.1 BeautifulSoup
- 4.

#### ***Working on server***

This is how I should work with the Freyr development server. I am using my own hostname yani.dk to point to the development server.

Connect to the server with Putty:

Hostname: yani.dk  
Username: kereena  
Password: .....

#### ***Installing on server***

The following steps installs the application once Django and required libraries are installed:

1. Get the source code from subversion. This is ONLY first time.  
svn co <http://svn.kokila.it/repo/sandbox/StockScreener/stockscreeener> stockscreeener
2. Update the source code from subversion:  
cd stockscreeener  
svn update
3. Create database:  
python manage.py syncdb
4. Load database dump:  
python manage.py loaddata graph\_test.json
5. Load symbols:  
python manage.py updatesymbols

6. Start the server.  
See the “Starting application on Freyr server” step.
7. Load url in browser:  
<http://yani.dk:7400/admin/> - Admin interface

## ***Starting application on my PC***

The program has to run little different depending on where I start it. This is because there is a Microsoft ISA server at the VejleHS network, which requires NTLM (Microsoft proprietary protocol) authentication, which Python does not understand.

## **Starting at vejlehs**

- 1) Start the ntlmaps proxy server. Go into its folder and double-click on the runserver.bat
- 2) Start the stockscreeener application. Click on the “manage.py runserver” shortcut on the desktop.

## **Starting from home**

- 1) Start the stockscreeener application. Click on the “manage.py runserver” shortcut on the desktop.

## ***Starting application on Freyr server***

For working on the server, first I have to follow the installation steps. On the server there are two scripts that I can use for starting and stopping the server.

- 1) Connect to “yani.dk server” using Putty
- 2) Try to open the old server process: `./continue.sh`
  1. If it is success, I should see the output from the server. I can then press Ctrl-C to stop the server. After this I see the message:  
“Screen terminated”. - I press Ctrl-C and continue to step #3
  2. If it is failure (server not running) I see the message:  
“There is no screen to be resumed matching stockscreeener” - I can continue with step #3
- 3) Start the server process: `./start.sh`
  1. If it is success, I should see a message that server is running and that I can press Ctrl-C to stop the server.
  2. I can now shutdown the Putty application.
  3. If it is error “screen terminated”, it means that I did not try step #2.
  4. If it is another error, and server won't start, I have a problem with my code, and I need to look at how to fix it.
- 4) Done, check that I can view the URL: <http://yani.dk:7400/search/>

## **APPENDIX C**

### **USER GUIDE**

Appendix A contains all the source code I produced in the project. Below is a list of the files and

## **APPENDIX D**

### **ITERATION DESIGN DOCUMENTATION**

This appendix contains the intermediate output from the design process. For each iteration there are some UML documents, and by this it is possible to see the progress.

## **APPENDIX E**

### **RUNNING DEMONSTRATION**

The CD contains a demonstration for Windows XP, this explains how to run it.

- Insert the CD.
- Copy the folder “demo” to somewhere on a write-able disk (hard-drive).
- Open the copy of “demo”.
- Double-click on the RunDemo.bat file.
- Two windows should open up:
  - DOS-window: Here the server is running.
  - Browser window: Read the instructions there. Click on the links to the demo server.

Note: The demo server uses 127.0.0.1 port 8000. Please make sure that this port is not already in use on your PC.

Note 2: The database in use is SQLite, not MySQL (which is production). All should work, but some queries can maybe work little different. This has not been tested.