

## AUTOMATIZATION PROJECT TREECAP BV.

### THE COMPANY

TreeCap BV is a Dutch fund manager and is based in Amsterdam. We are dedicated to achieve low volatile and absolute returns for our investors, which are uncorrelated to the equity and fixed income markets. Strong emphasis is placed on the preservation and appreciation of capital, which is achieved through investment expertise and prudent risk management.

As TreeCap is a trading firm, TreeCap makes use of a Clearing Bank. This bank enables us to conduct trading on regulatory stock exchanges and provides us on a daily basis with Account statements.

The company is located at Beursplein 5 (at the Amsterdam Stock Exchange) and is easily accessible by public transport.

### PROJECT DESCRIPTION

Due to the nature of the business of TreeCap, we deal with different types of data output from different types of service providers. Besides the different output, we also generate a lot of new inhouse made input information. At the moment these different types of information are stored in a decentralized manner. With this project we want to combine the different information sources and by doing so creating a centralized database which will feed/generate all the information needed by the different departments. The database should be compatible with Microsoft Excel, so exported data/generated reports can be modified to the need of the user.

The project can be split into different phases, where every next phase will enhance the automization of the workflow of TreeCap.

#### **PHASE 1: CREATING DATABASE WITH AUTOMIZED IMPORT OF INFORMATION**

As previously stated, we receive a lot of information from different service providers. The first phase of the project is to setup a database and make sure that all the information received from our Clearing Bank will be stored into the database in an automated manner and standardized form. We receive this information on a daily basis via a secured FTP. The output is received in different formats, to know PDF, CSV, HTML and XML.

Besides the import of the above output, it should also be possible to manual import (with mandatory fields to keep in standardized) information into the database.

The goal of phase 1 is that all the abovementioned data is automatically imported (in a standardized format) into the database.

#### **PHASE 2: GENERATE REPORTS USING THE INFORMATION STORED IN THE CENTRAL DATABASE**

Once phase 1 is finished, the focus will mainly be in creating and generating different types of (flexible) reports, based on using different types of filters/columns we want to have visible. This phase also includes creating different "tables"/reports by combining existing reports and making calculations. Examples of reports; Position overview, Cash overview, Daily transactions, Profit/Loss Statements, etc.



### **PHASE 3: RESEARCH**

Where Phase 1 and 2 are predominantly focused on the Backoffice workflow, Phase 3 will focus more on saving created information for research purposes. The goal of phase 3 is to make it possible to import/amend/add research data into the database, per subject, in a standardized manner.

The priority of the project is (to start with) Phase 1 and Phase 2. Phase 3 and further to establish phases, can be executed on a later date.

### **REQUIERMENTS**

- Language: - Dutch and/or English speaking.
- Skills: - (Advanced) skill in programming languages such as Python, SQL, Etc.  
- Experience in setting up and creating a central Database.  
- Able to program/working independently (There will be no (fulltime) supervisor).  
- Working at location.

### **Contact**

In case you are interested or would like to have more information, please contact us via one of the following methods:

Email: [Eduardo@treecap.nl](mailto:Eduardo@treecap.nl)  
Telephone: +31208204710  
+31643756165

The project can be carried out both as an internship and on a project basis.