

Private currency wallet

Aleksandra Dąbrowska – 221103

Babak Habibnejad - 221069

Idea

The scope of our project is to plan and write an application for personal use. The application will be based on .xml files containing currencies rate for the day. Our files source is the Polish National Bank <http://api.nbp.pl/>.

The idea of our application is based on everyday need to control rate and exchange currencies in a way not to lose money on transactions.

Proposition of acting

In the beginning, the user is choosing between two options:

1. Rate control
2. Currency exchange

In the 'Rate control' option, the user is choosing currency or currencies which is interested in and as the application response will get charts and tables of the desired time interval.

In the 'Currency exchange' mode the user will be asked to input the amount and currency of money owned by, choose desired currency/currencies and put the amount of money which want to sell

(in base currency) or to buy (in the currency chosen). As a response, the user will get charts and tables of currency rate from last two weeks and question 'Would You like to perform transactions?' After choosing 'Yes' option, the application will check if the amount of money owned is enough

to process such transaction and inform about the result. Choosing the 'No' option will allow the user to change currencies and make a new decision.

Software to be used

Our application will be written in Python programming language and we will use flask web framework to receive data from website API and show it to user after manipulation of xml files.



