MNX-ExcelSheet V0.4

(Codename: 'And some more parking slots')
Excel sheet to track parkings of MNX at MinexBank

Dependencies:
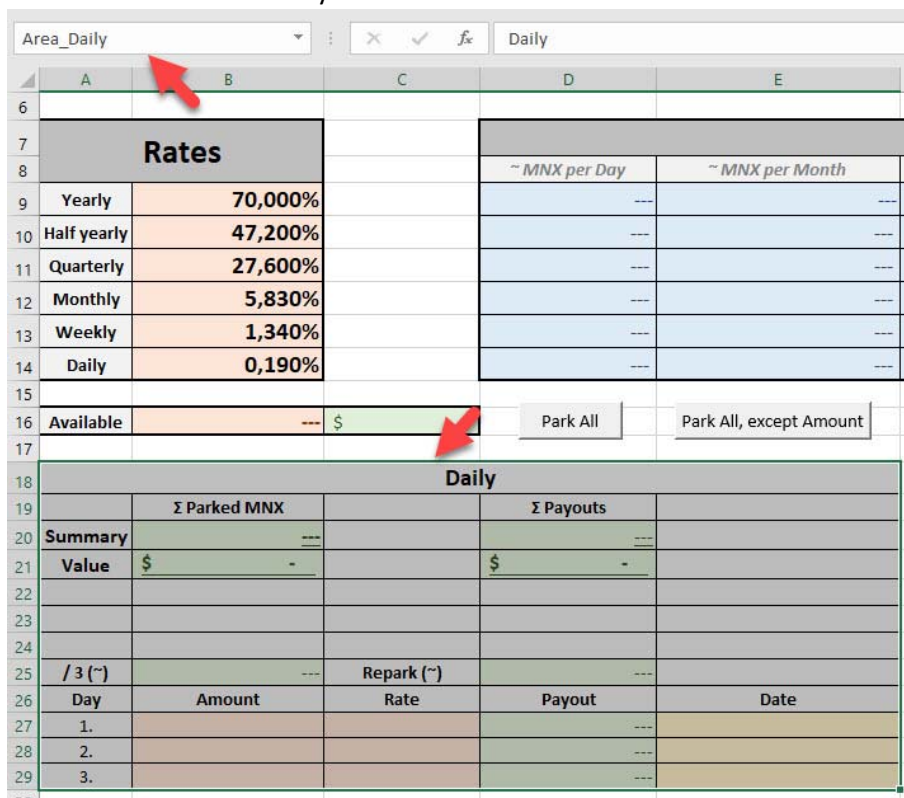- Excel macros activated
- JSON Library: https://github.com/VBA-tools/VBA-JSON

Updating from previous versions:
Existing data can be simply copied & pasted into the new version of the sheet, using two parallel running instances of Excel.

Overview:
- Sheet is getting every 15 min. price updates from CoinMarketCap.
- Sheet can get every 15 min. exchange rates for a given local currency from http://free.currencyconverterapi.com.
- Red cells are used for needed inputs like rates, amounts.
- Yellow „date" cells don't need to be filled, but are useful for keeping track of parkings
- Green cells keeps calculated results.
- Light blue cells shows future profits for daily, weekly, monthly, quarterly, half yearly and yearly parkings based on current rates.
- Most cells are locked against accidently altering formulas and data, except cell ranges A6:H6,D4:D5,F18:F461,I1:J6,K1,K5:K6. Here you can make own comments, notes and formulas.
- Daily history of some values on a second sheet „**History**".
- Message boxes now have a „Timeout", 5 sec. for Information, 10 sec. for Errors.
- Since there are now 6 different time frames for parking, the areas for these parkings are now moveable. You can select the areas by their label:

After you have selected an area move the area by cut & paste to a free location.
This makes it possible to re-arrange the areas for your needs, but you may have to re-define the areas witch are not locked by the protect feature of Excel (located in Module „Button_Subs", Subroutine „MNX_Protect()".

Initial usage:

Variant 1: Initial filling, using buttons

➢ Insert your current total balance with „**MNX In**"-button.

➢ Select the first „**Amount**"-cell of the rate you wish to park at.

➢ Click „**Park All**", „**Park All, except Amount**" or „**Park Amount**"-button, give amount if needed and the sheet makes the inputs.

➢ Repeat until all your parkings are entered.

➢ Since the sheet takes for rates and dates the actual ones, some/most of them will need to be corrected by hand for initial filling.

Variant 2: Alternate initial filling, using direct inputs

➢ Use the „**Unprotect**"-button to disable the protect feature from excel.

➢ Insert your current available balance into its cell „**B13**".

➢ Insert the parkings with their values from your MinexBank account into the proper cells.

Daily usage:

➢ For getting and cancelling payouts select the cell with the amount and click on „**Get Payout**" or „**Cancel Parking**"-button.

➢ The „**Search**"-button looks for payouts at the current and earlier days and marks their date cells red.

Local Currency:

➢ To use a local currency, change the cell „**D1**" from „**USD > USD**" to its ISO-Code (example): „**USD > UAH**".

➢ The sheet „**ISO-Codes Currencies**" contains a list of ISO-Codes and currency signs for several countries.

➢ The range „**E5:H5**" shows now converted values for the cells above them.

➢ The range „**H9:K14**" shows converted values for the preview values.

History:

- The sheet creates automatically a history for every day it is running.
- Since the history only takes a snapshot of current values, there is a way to rebuild history from scratch using data from external sources.

About Rebuild History

- Rebuilding history from the first entries of your wallet isn't a simple click and run job, it needs some homework to do before you get a history from your first days (or better a part of it, not all values can be restored)
- Rebuilding of the past history requires appropriate data in the sheets „CMC", „Wallet" and „MinexBank"
- To transform the data you are using, you will need a text editor which is capable of doing „Column Mode Editing". A free editor which is able to do this, is „Notepad++"
  https://notepad-plus-plus.org/features/column-mode-editing.html
- **Important:** You need only data which is not already part of the history.
  Example: Our automatic history starts from 11.03.2018, so you need only data up to 10.03.2018.

Getting data

1. **Data from CoinMarketCap:**
   Go To: https://coinmarketcap.com/currencies/minexcoin/
   Select „**Historical Data**".
   Change the list box for date range shown to „**All Time**".
   Select all columns with your mouse, it should looks like this:

Historical data for MinexCoin

Currency in USD
Open/Close in UTC time

Apr 28, 2013 - Mar 21, 2018 ▾

Date	Open	High	Low	Close	Volume	Market Cap
Mar 20, 2018	30,71	33,38	29,17	32,08	185.991	106.854.000
Mar 19, 2018	30,32	31,47	28,28	30,43	148.954	105.472.000
Mar 18, 2018	29,79	30,63	26,03	30,29	191.664	103.664.000
Mar 17, 2018	29,34	30,61	25,43	29,84	243.375	102.023.000
Mar 16, 2018	25,80	31,64	24,50	29,05	222.971	89.627.600
Mar 15, 2018	24,18	27,25	22,80	25,82	190.673	83.938.300

Copy and paste the selection into your editor.
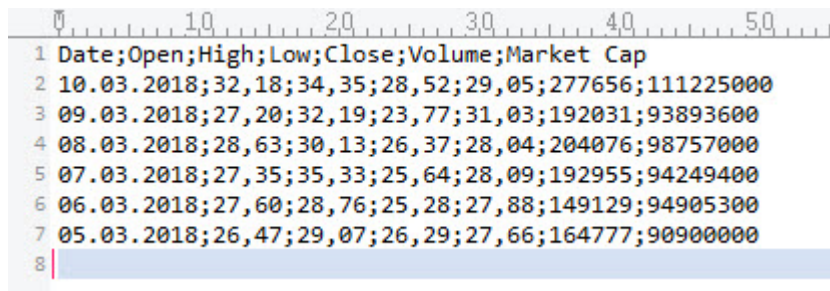Save the file and make a backup of it.
You should see something like this:

```
   0         1,0        2,0        3,0        4,0        5,0        6,0
1 Date  Open  High  Low    Close   Volume  Market Cap
2 Mar 09, 2018  27,20   32,19   23,77   31,03   192.031   93.893.600
3 Feb 25, 2018  19,37   21,50   19,04   20,90   86.068  65.780.200
4 Feb 23, 2018  19,32   52,49   18,27   19,90   155.384   65.325.500
5 Feb 13, 2018  17,35   17,49   15,50   16,94   53.197  52.050.500
6 Feb 06, 2018  12,51   16,57   9,81  15,77   104.735   37.524.600
7 Feb 05, 2018  14,66   15,25   11,15   12,49   70.718  43.985.500
8 |
```

Don't really looks pretty, there are some pitfalls:
- There aren't really columns.
- The room between some of the values is a mix of spaces and tabs.

To get a result like this:

```
    0.........10.........20.........30.........40.........50.....
 1  Date;Open;High;Low;Close;Volume;Market Cap
 2  10.03.2018;32,18;34,35;28,52;29,05;277656;111225000
 3  09.03.2018;27,20;32,19;23,77;31,03;192031;93893600
 4  08.03.2018;28,63;30,13;26,37;28,04;204076;98757000
 5  07.03.2018;27,35;35,33;25,64;28,09;192955;94249400
 6  06.03.2018;27,60;28,76;25,28;27,88;149129;94905300
 7  05.03.2018;26,47;29,07;26,29;27,66;164777;90900000
 8
```

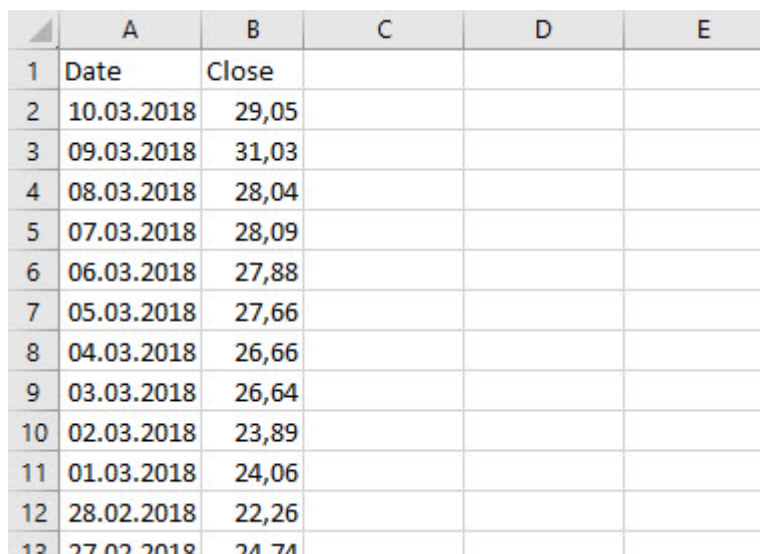you need some replacements with your text editor:
- The month names must be replaced with their numbers.
- The day has to be on first place, use column editing for this (dd.mm.yyyy).
- The room of spaces and tabs needs to be replaced with the column separator ',' or ';'
- Replace the decimal separator if it's different from the one your Excel version needs.
(Hint: since you can't input a tab character into a dialog, copy and paste it from the text).

Now save your file as <some name you remember>.csv.
Open this file in Excel.
Delete unnecessary columns, you need only date and one price (Close price is a good choice).
This should end in something like this in Excel:

	A	B	C	D	E
1	Date	Close			
2	10.03.2018	29,05			
3	09.03.2018	31,03			
4	08.03.2018	28,04			
5	07.03.2018	28,09			
6	06.03.2018	27,88			
7	05.03.2018	27,66			
8	04.03.2018	26,66			
9	03.03.2018	26,64			
10	02.03.2018	23,89			
11	01.03.2018	24,06			
12	28.02.2018	22,26			
13	27.02.2018	24,74			

(Hint: Numbers should be shown right aligned, otherwise Excel handle them as strings)
Copy and paste all data now into the „CMC"-sheet.

2. **Data from MinexBank:**
   Log in into your MinexBank account
   Go to the „Payouts"-section.
   Copy and paste all of your payouts into a second file, just as you have done with CMC.
   Use the same tips and tricks from CMC to get two columns labelled „Date" and „Payout" from MinexBank into its sheet.

3. **Data from QT Wallet:**
   Open your wallet.
   Go to File -> „Receiving addresses…".
   Select your MinexBank address.
   Click on „Export" and save to a third file (.csv).
   Same procedure as with the first two files.
   You need again two columns „**Date**" and „**Amount**" (May be translated by the wallet).

4. **SAVE** now your MNX-Excelsheet and make at least one **BACKUP** from it!!!

5. Now you are ready, click on the „**Rebuild History**"-button in top right corner of the history sheet.

6. Be patient, this can take some time, i had around 5000 transactions and they took about 8 min. to import.

7. After finishing have a close look on the results (**ALL** of them, not just the first few rows).

8. If you find errors, the golden rule of computing has occurred:
   „**Garbage in, garbage out**".
   Delete the imported rows or use your saved copy of the sheet.
   Take a look on your input data and fix it.
   Repeat from Point #4 until your results looks good.

Get some nice diagrams form your history

➤ Unprotect the „**History**"-sheet.
➤ Select for example the range of „**Date**", „**Total Balance**" and „**Total Value**".
➤ In Excel go to „**Insert**"-ribbon and select a diagram from the ones Excel has built in.
   („2D Line" gives a nice result)
➤ Edit the settings of the diagram to fit the data and you may get something like this: