

Coding home assignment

SIE-file analyser

In this assignment you will write a simple tool to calculate statistics from SIE-files (more on that later). You can implement the tool in the language(s) of your choice but it have to be a web based "single page application".

STEP 1: Parse and calculate statistics

SIE is a file format used in Scandinavia to export/import accounting data. It consist of records starting with '#' (#VER, #FTYP, TAXAR). Most of them us only one line but some eg. #VER have subrecords #TRANS within curly curly brackets "{" "}". A file can look like:

```
#ORGNR 123456-1112
#KONTO 1020 Postgiro
#KONTO 1040 Checkkonto
#VER " " 4 19950113 "Verifikationstext 1995"
{
  #TRANS 1210 {} 50000.00 19950113 " " 5000
  #TRANS 1220 {} -50000.00
}
#VER " " 5 19950127 "Verifikationstext 1995"
{
  #TRANS 1230 {} 8000.00
  #TRANS 1290 {} -8000.00
}
#VER " " 6 19950130 "Verifikationstext 1995"
{
  #TRANS 1310 {} 8500.00
  #TRANS 1340 {} -8500.00
}
```

Your task is to count the occurrence off each record type in files uploaded to your server. In the example above it would be 6 #TRANS records, 3 #VER records, 2 #ACCOUNT records, 1 #ORGNR.

See attached SIE-files

STEP 2: Present the result as a chart

Present the statistics as a chart

STEP 3: Manage Imports

Create a view to list and remove previous import statistics.

STEP 4: Notify on new data

If two instances/windows of the application is open. Notify the other instances when new data is uploaded.

STEP 5: Structure the solution

- separate the responsibilities
- make it robust against error conditions & edge cases
- make it easy to extend import with other ways to import

WIDGET-JS Todo application

Implement a TODO application in Widget-JS according to the guidelines at todomvc.com

Guidelines: <https://github.com/tastejs/todomvc/blob/master/app-spec.md>

Widget-JS: <https://github.com/foretagsplatsen/widget-js>