

Design Document - WikiPagesChartlist

Short description of each Class

<i>Article.java</i>	Object with Constructors for Toplist and Topviews.
<i>File_Compare.java</i>	Update files if needed.
<i>HTML_Parser.java</i>	Connect to a predefined Wikipage and filter the needed parts.
<i>Main.java</i>	Main Class. Handles the parameter at startup (if any).
<i>NCRDecoder.java</i>	Decode some special html character.
<i>SortView.java</i>	Sort chartlist (descending order).
<i>WikiPagesChartlist.java</i>	Read the *.csv and print Toplist and Topviews.

Detailed description of the interesting Classes

File_Compare.java

- compare_files:
 - *_temp.csv recent parsed data
 - *_curr.csv current data, updates if older than 24h
 - *_past.csv past data, updates if older 48h
 - *_past_old.csv updates after 7 days

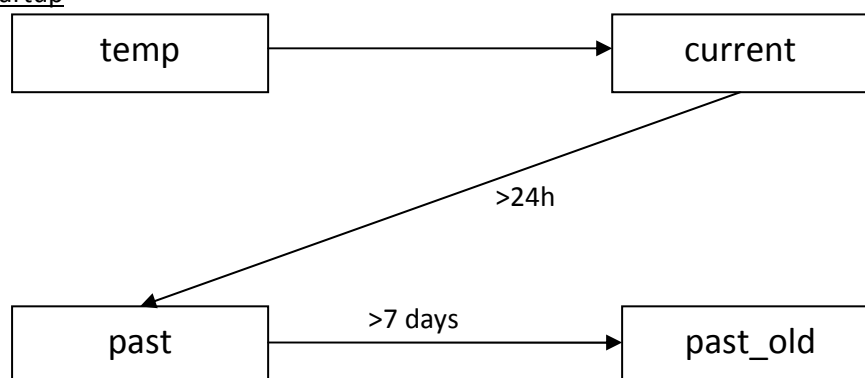
First it compares the *_temp.csv with *_curr.csv, if the time difference is smaller than 24h, then *_curr.csv will be updated with the data from *_temp.csv. Second it checks the time difference between *_curr.csv and *_past.csv, if 24h passed then *_past.csv will be updated.

On the other hand if 24h has gone already, the files update in this order:

1. *_curr.csv to *_past.csv
2. *_temp.csv to *_curr.csv

After all the *_past_old.csv will be compared with *_past.csv and updates if the difference is more than 7 days.

Startup



- file_last_mod: get the last modified date from the specified file
- date_diff: calculate the time difference between two files

HTML_Parser.java

- parse_html: connect to a Wiki and get the HTML-Data.
- split_write: filter out all sensless HTML-Code.

Main.java

- main:
 - SHOWMAX maximum lines to show
 - REFRESH refreshrate in minutes
 - url Wiki url

Check if parameters are set at startup:

- top change value of SHOWMAX
- url change url
- refresh change refreshrate
- old compare the recent data with *_past_old.csv instead of *_past.csv
- help show information