SheetShaper

v1.0 Manual

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Overview:

SheetShaper is a log processing software used to automate log parsing, sorting, combing, and conversion. SheetShaper will sort the log file from the oldest timestamp to the newest timestamp. The intended use of the software is to combine multiple files that have been converted into or originated as an excel spreadsheet and sort them in a specified manner and be able to provide visualization of the data.

Initial Screen:

Figure 1: SheetShaper Initial Screen

This is not the main tool and is simply the pre-screening method put in place to check and validate the license key that should've been obtained from the developer.

Home Screen:

Figure 2: SheetShaper Home Screen

In Figure 2 the home screen of SheetShaper can be seen as of the version 1.0 public release. This is the main screen where the main tool can be used or one of the various tools can be selected.

Selecting Files:

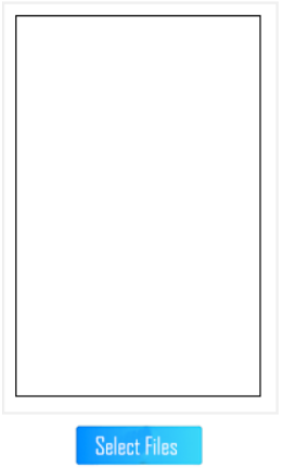


Figure 3: File Selector

In Figure 3 the file selection box can be seen. By selecting the “Select Files” button a file explorer browser will be opened. A single file can selected by double clicking the file and then the file will be displayed in the box. To select multiple excel files for use, hold the CTRL button on your keyboard and use the mouse to select each file to highlight them and then select the “Open” button in the file explorer GUI.

Time Break Interval:

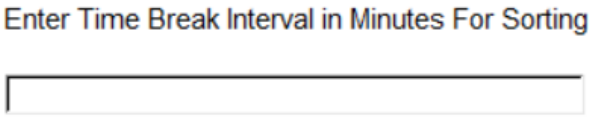


Figure 4: Time Break Interval

Figure 4 displays the “Time Break Interval” box. This box by entering a number in the box will dictate when a blank row will be inserted into the excel file when the program determines there to be at minimum a difference between 2 lines in the number of minutes entered. An example of this can be seen in Figure 5.

Visit Date
2021-05-06 13:53:03
2021-05-06 15:22:57
2021-05-06 15:23:04
2021-05-06 18:02:32
2021-05-07 12:52:47
2021-05-07 12:52:50
2021-05-07 12:52:56
2021-05-07 12:52:56
2021-05-07 12:52:57
2021-05-07 12:53:27
2021-05-07 13:00:14

Figure 5: Time Break Interval of 5 minutes

Date Starting & Stopping:

Figure 6: Date Start and Stop Boxes

In Figure 6 the boxes for the dates to start and stop at in the SheetShaper output file. The format to use in these boxes is Month/Day/Year. It is recommended to use one day before and after the days you would like to parse for.

Hour Sorting:

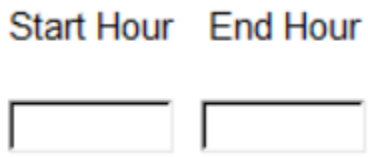


Figure 7: Start Hour and End Hour

These boxes like the date boxes will dictate how in the SheetShaper output what times will be shown on each day. All other times on those days will be dropped and only the given hours will be in the output. This can be combined with interval breaking and date sorting.

String Parsing:

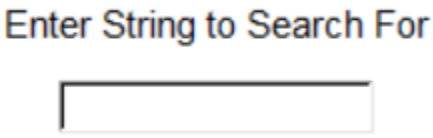


Figure 8: String Parsing

If searching for a specific string in multiple excel files by entering the string into this box here will create a separate unsorted excel file with all of the lines SheetShaper can find with the String entered.

Output Destination:

Figure 9: Output Destination Box

By selecting the “Destination” button a file explorer will open allowing for the user to select a directory for SheetShaper to put all of the outputted result files to.

Starting The Processing:

Figure 10: Next Button

Just select the “Next” button after inputting all required and optional fields!

Graphing Data:

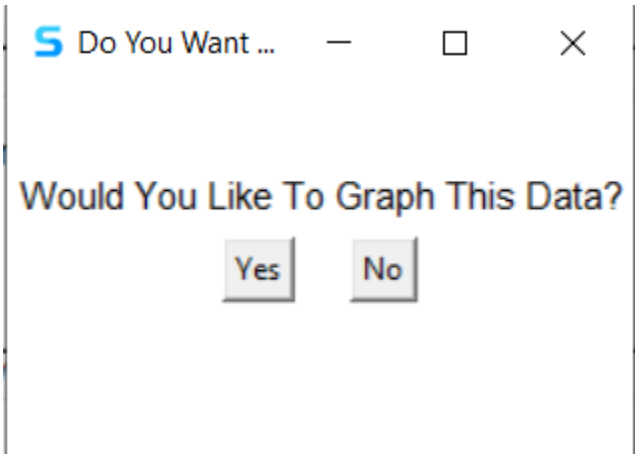


Figure 11: Option box for graphing data

In Figure 11 the optional graphing box can be seen. This box will dictate if a graph will be generated for data visualization as can be seen in Figure 12.

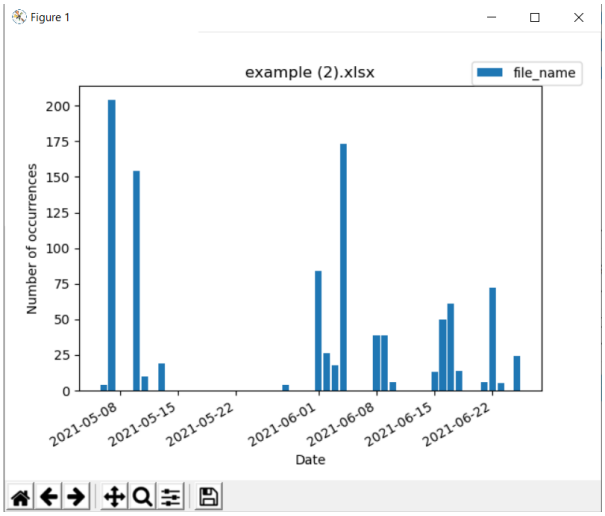


Figure 12: Graphing of data

For graphing it will count the number of occurrences on a given day and put them into a graph. By clicking on the graph for that day will output all of the data for just that day into a separate excel file (it is recommended to click at the top of the bar for the day you would like for best results). Multiple days can be clicked on and will all be outputted into the same excel file but on separate sheets!

HTML to EXCEL Converter:

Figure 13: HTML TO EXCEL Tool

By inputting the HTML file into the top box, the output path in the second, then name of what you would like the name of the excel to be will in the bottom box and then finally selecting the ‘CONVERT HTML” button will have SheetShaper attempt to convert the HTML file to an excel fiel that can be inputted into SheetShaper.

CSV to EXCEL

Figure 14: CSV to EXCEL

Same design and idea as HTML to EXCEL.

SQL Database to EXCEL

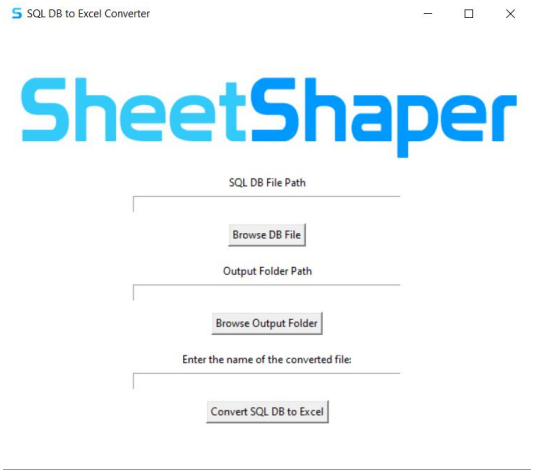


Figure 15: SQL to EXCEL

Same design and function as CSV to EXCEL and HTML to EXCEL except for SQL databases.

EXCEL Viewer:

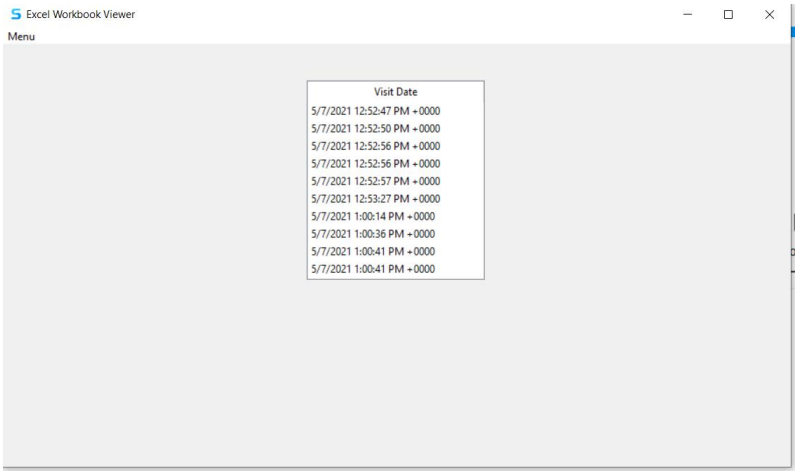


Figure 16: Excel Spreadsheet Viewer

By selecting Menu > Open Spreadsheet > (example).xslx will open a given Excel Spreadsheet in the Window in a viewing mode. Note: No edits can be made to the Excel spreadsheet.

SQL Database Viewer:

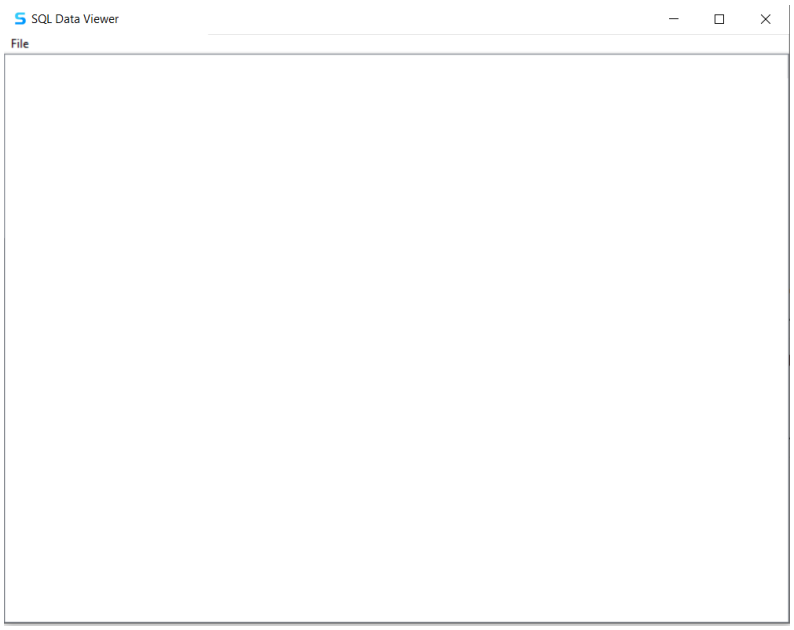


Figure 17: SQL Database Viewer

By selecting File > Open DB > (example).db you will then get a another window that will prompt you to select a table from the database as can be seen in Figure 18.

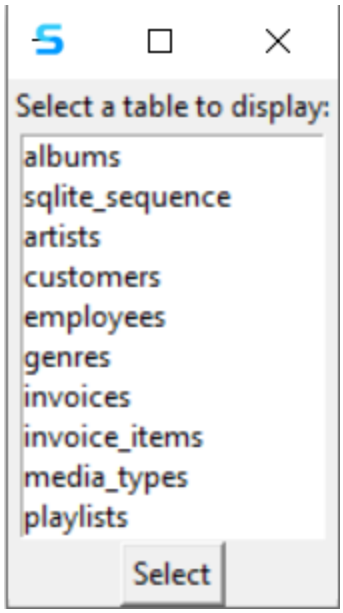
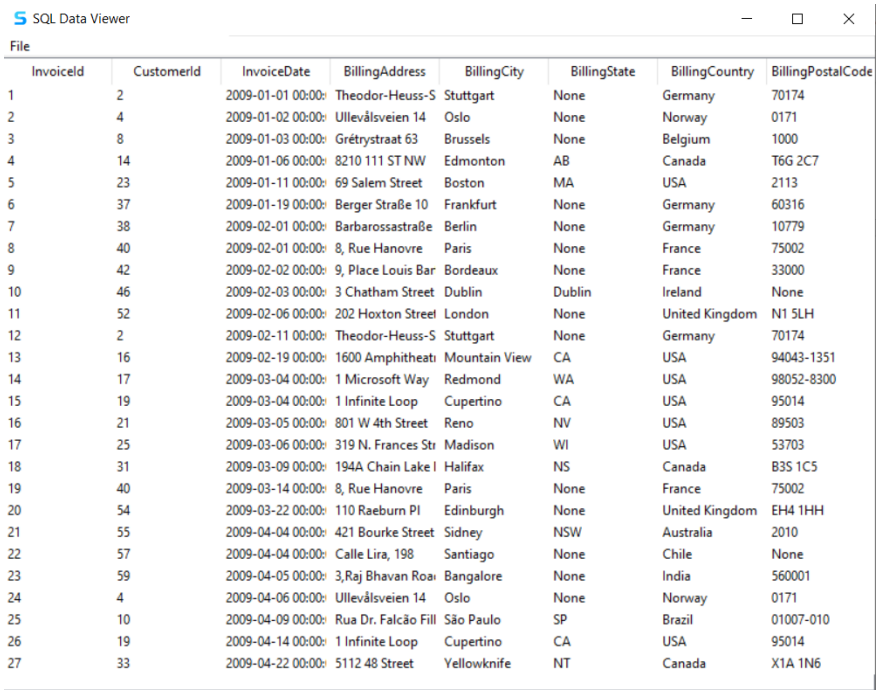


Figure 18: Table Prompt

By selecting a table and then selecting the “Select” button will display all of the data in that table from the database.



InvoiceId	CustomerId	InvoiceDate	BillingAddress	BillingCity	BillingState	BillingCountry	BillingPostalCode
1	2	2009-01-01 00:00:	Theodor-Heuss-S	Stuttgart	None	Germany	70174
2	4	2009-01-02 00:00:	Ullevålsveien 14	Oslo	None	Norway	0171
3	8	2009-01-03 00:00:	Grétrystraat 63	Brussels	None	Belgium	1000
4	14	2009-01-06 00:00:	8210 111 ST NW	Edmonton	AB	Canada	T6G 2C7
5	23	2009-01-11 00:00:	69 Salem Street	Boston	MA	USA	2113
6	37	2009-01-19 00:00:	Berger Straße 10	Frankfurt	None	Germany	60316
7	38	2009-02-01 00:00:	Barbarossastraße	Berlin	None	Germany	10779
8	40	2009-02-01 00:00:	8, Rue Hanovre	Paris	None	France	75002
9	42	2009-02-02 00:00:	9, Place Louis Bar	Bordeaux	None	France	33000
10	46	2009-02-03 00:00:	3 Chatham Street	Dublin	Dublin	Ireland	None
11	52	2009-02-06 00:00:	202 Hoxton Street	London	None	United Kingdom	N1 5LH
12	2	2009-02-11 00:00:	Theodor-Heuss-S	Stuttgart	None	Germany	70174
13	16	2009-02-19 00:00:	1600 Amphitheati	Mountain View	CA	USA	94043-1351
14	17	2009-03-04 00:00:	1 Microsoft Way	Redmond	WA	USA	98052-8300
15	19	2009-03-04 00:00:	1 Infinite Loop	Cupertino	CA	USA	95014
16	21	2009-03-05 00:00:	801 W 4th Street	Reno	NV	USA	89503
17	25	2009-03-06 00:00:	319 N. Frances St	Madison	WI	USA	53703
18	31	2009-03-09 00:00:	194A Chain Lake I	Halifax	NS	Canada	B3S 1C5
19	40	2009-03-14 00:00:	8, Rue Hanovre	Paris	None	France	75002
20	54	2009-03-22 00:00:	110 Raeburn Pl	Edinburgh	None	United Kingdom	EH4 1HH
21	55	2009-04-04 00:00:	421 Bourke Street	Sidney	NSW	Australia	2010
22	57	2009-04-04 00:00:	Calle Lira, 198	Santiago	None	Chile	None
23	59	2009-04-05 00:00:	3,Raj Bhavan Roa	Bangalore	None	India	560001
24	4	2009-04-06 00:00:	Ullevålsveien 14	Oslo	None	Norway	0171
25	10	2009-04-09 00:00:	Rua Dr. Falcão Fill	São Paulo	SP	Brazil	01007-010
26	19	2009-04-14 00:00:	1 Infinite Loop	Cupertino	CA	USA	95014
27	33	2009-04-22 00:00:	5112 48 Street	Yellowknife	NT	Canada	X1A 1N6

Figure 19: Database Data