Web Traffic Transformation

Objective:

Write a script/program to transform web traffic data stored in time-record format where each row is a page view into a per-user format where each row is a different user and the columns represent the time spent on each of the pages.

The files with the user data is stored in a url. The url has multiple CSV files that store the same data with the following columns drop (1 if this is the last page the user visited, 0 otherwise), length (time spent in the page in seconds), path (page the user visited), user*agent (browser type), user*id (user ID).

The output file should be a CSV file with one row per user:

User (user_id), length of time (sec), Path.

Criteria:

1. The url where the files are can be changed by the user.

2. The output file should be a CSV file that can be opened using Excel.

3. The program should be stored in a public GitHub account with documentation on how to install and run it.

Screen 1

Enter the path for
the Traffic user data :

[   ]

[Submit]

Screen 2

Files found on path: xxx:

- ☒ a.csv
- ☒ b.csv
- ☒ c.csv
- ☒ d.csv

[View Time Spent]

Screen 3

Web Traffic per User

User	Length of Time	Path
X	30	xxx
XX	60	xxx

[Open in Excel]

Screen 4

(empty)