# Lab 6 – node.js (or Ruby on Rails) and tweets.json to CSV

In this lab we are going to build on the node server we built in lab 5 to read back our “*convention*-tweets.json” file and convert it to csv format.

You server should display a simple html form with two buttons:

* Build json file - will build the json file as in lab 5
* Convert to csv - read in the file from option 1 and output a csv file with the same name (“*convention*-tweets.csv”)

Your file should already contain the following fields:

{

"created\_at": "",

"id": "",

"text": "",

"user\_id": "",

"user\_name": "",

"user\_screen\_name": "",

"user\_location": "",

"user\_followers\_count": "",

"user\_friends\_count": "",

"user\_created\_at": "",

"user\_time\_zone": tweet.user.time\_zone,

"user\_profile\_background\_color": "",

"user\_profile\_image\_url": "",

"geo": "",

"coordinates": "",

"place": ""

};

Make sure you allow for error handling – for example: if the tweets file exists – overwrite it and inform the user. Alternatively, if the json file does not exist and the user tries to convert, then an error should be thrown…etc…

Be sure to include a header row in your CSV file, use a comma as your delimiter and surround text fields with double quotes.

So: When the server is running, I go to <http://localhost:3000/> (for example) - I get a page with a header and maybe a message and two buttons.

You do not have to spend a ton of time on a fancy page, but please don’t just throw up two buttons.

Remember to inform the user of what is happening – yes this is vague – use your judgment

The goal here is to practice with node.js and reading and writing data. Converting data as well as working with forms and functions in your pages.

Remember the README.md

Have fun!

Here is an example of three lines from my converted file – note that I included a header row.

"created\_at","id","text","user\_id","user\_name","user\_screen\_name","user\_location","user\_followers\_count","user\_friends\_count","user\_created\_at","user\_time\_zone","user\_profile\_background\_color","user\_profile\_image\_url","geo","coordinates","place"

"Thu Dec 19 23:34:57 +0000 2013","413814742860714000","فرصتكـم لزيـادة متابعينكـم: @RT\_FF5فولومي فولوباك ◙ريتويـت لهـذه التغريـدة ◙ضيفـوا مـن يقــوم بالريتويـت ◙ضيفـوا مــن يضيفكـم 168","1664157169","قروب زيادة متابعين","RT\_FF5","","6945","4429","Mon Aug 12 04:24:01 +0000 2013","Hawaii","C0DEED","http://pbs.twimg.com/profile\_images/378800000671897188/e8dde27dd300c06002cd06f1ab0352b0\_normal.jpeg","null","null","null"

"Thu Dec 19 23:34:57 +0000 2013","413814742860693500","""@\_kaedawg: Bitches be mad …""","599909355","ke gotti.","bigdaddyke\_\_\_","","2212","1612","Tue Jun 05 04:49:53 +0000 2012","Atlantic Time (Canada)","DBE9ED","http://pbs.twimg.com/profile\_images/412713408895528960/3Ly1vN4I\_normal.jpeg","null","null","null"

You will be graded on the following;

Formatting and coding quality : 10

Objective 1 – HTML Form : 10

Objective 2 – File conversion : 10

Creativity/Coding style : 10

Documentation/Read.me : 10