

Mock Interview 1

Test Name: CSV Upload

LEVEL 3

TIME: 6 hours (Ideal time of completion: 4.5 hours)

This time you will work with external data, as in 'csv' files. You will need to upload a CSV file and show the data in it

Extra Points:

- Well commented code
- Readme on how to setup the project on local system
- Scaleable folder structure (separate models, controllers and routes)

Task

- Upload any csv file into the system (consider the delimiter to be a comma ',') [If you don't know what's a csv, download the other file in this folder and take a look at it, then google a little more]
- Display a list of all uploaded csv files
- When the user selects a file, display all the data (with column headers) in a table on the page (front end)
- There should be a search box which searches on the front end itself and displays the matching rows of the table only (empty search box displays all the data). (you can put a search on any one column)
- **DIFFERENT CSV FILES WITH DIFFERENT COLUMN HEADERS CAN BE UPLOADED, YOUR TABLE HEADERS SHOULD BE DYNAMIC**
- [EXTRA POINTS] Sorting button (ascending and descending) for each column on the front end
- [EXTRA POINTS] Put a validation on the front end and server side on being able to upload only csv type of files
- [SUPER EXTRA POINTS] Pagination of the data displayed in the table to a max of 100 records per page
- [SUPER DUPER EXTRA POINTS] Integrate a charting library like google charts/d3.js/etc to display a selected column

Free Hints

- YOU CAN FIND A GOOD NPM LIBRARY TO READ/PARSE CSV
- FRONT END SEARCH IS TO BE DONE USING JAVASCRIPT
- **USE PEN AND PAPER TO DEFINE THE STEPS**

- WORK ON ONE STEP AT A TIME (in the order they are mentioned, DON'T THINK ABOUT THE COMPLETE APP TOGETHER)

To Submit:

- Record a video (max 3 minutes) with the following details (**and upload it to drive/youtube with public access, VIDEO SHOULD BE ACCESSIBLE BY ANYONE**):
 - Explain through the folder structure (what is placed where and why)
 - Explain the running code using Postman
- Upload the project files on github.com
- Fill the github and video links in this form: <https://forms.gle/YhDQG XU14i8MpxaZ6>