

MUDRANTAR

Coding Assignment

Objective

Objective of this task is to evaluate basic JavaScript skill set from both Frontend (UI) and Backend (REST API) perspective.

Task

The task is to develop a simple web application to accept a CSV file (attached to this email) and display the data in a line or bar chart. Below is the user flow

1. User clicks on the upload button and selects the CSV file. Upload should only accept CSV files
2. CSV file should be validated to have the proper columns mentioned below
 - a. **id** - number and unique identifier for every row
 - b. **date** - ISO 8601 datetime
 - c. **page_views** - number (number of page views)
 - d. **sessions** - number (always less than page_views)
3. Proper error has to be shown to user if CSV criteria is not met
4. CSV file is stored in some database/file in the backend
5. User will be shown list of all the uploaded files
6. Clicking on a file show a chart displaying a chart with both page_views and sessions by day

Submission

Create a public Github repository and commit all your code to the repo. Make sure you have all commits logged in the repo, this will help us to evaluate the code properly

Technology Stack

You are free to use any JavaScript framework and database for developing this application.

Here is Mudrantar's tech stack, if you are interested

1. HapiJS (NodeJS) for backend
2. VueJS front frontend
3. PostgreSQL for storing data (using ObjectionJS ORM)