**Blackcoffer**

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**Visualization Dashboard**

**Test Assignment**

*The objective of this assignment is to create a data visualization dashboard as per as instructions given below.*

*Note: If you solve and submit the solution of the test assignment, it is 100% guaranteed that you will get an interview email. Post your interview, you will get the job.*

**Data**

Json file: jsondata.json

**Data Visualization Dashboard**

* Use given json data
* Create a MongoDB database from the Json data given.
* Use MERN Stack or MEAN Stack to design and develop a dashboard
* For charts or visualizations, you can use either of the following: (recommended)
  + D3.js (highly recommended)
  + chart.js
  + fusioncharts
  + plotly.js
  + google charts
  + highcharts
  + etc.
* Use any creative visual that you can create using the data to generate insights
* You must use the given data only.
* Develop any creative visualization that you like most, using provided data in json.
* Interactive graphs, charts, and visuals are recommended
* The dashboard should read the data from the MongoDB database.
* Create API in node,js to get data from the MongoDB

**Important variables to be visualized**

* Intensity
* Likelihood
* Relevance
* Year
* Country
* Topics
* Region
* City

**Filters in the dashboard**

* Add end year filter in the dashboard
* Add topics filters in the dashboard
* Add sector filter in the dashboard
* Add region filter in the dashboard
* Add PEST filter in the dashboard
* Add Source filter in the dashboard
* Add SWOT filter in the dashboard
* Country
* City
* Any other control or filters that you can add from the data, best of your knowledge

**Some Examples of the Dashboard**

1. <https://pixinvent.com/demo/vuexy-vuejs-admin-dashboard-template/demo-2/charts-and-maps/charts/apex-chart>
2. <https://pixinvent.com/demo/vuexy-vuejs-admin-dashboard-template/demo-2/charts-and-maps/charts/chartjs>
3. <https://pixinvent.com/demo/vuexy-vuejs-admin-dashboard-template/demo-2/charts-and-maps/charts/echart>

**Where to submit it?**

To submit your solution, please fill out this google sheet and upload your article to google drive, and share the drive URL in the google sheet: <https://forms.gle/YBV6Xka5WsrPwYsB8>

**Timeline**

Timeline: 8 Days. The Sooner is better.

**Questions?**

Text message on Skype id “ajay\_1229” if you have any questions.