Blackcoffer

Visualization Dashboard

Test Assignment

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

Data

Json file: jsondata.json

Data Visualization Dashboard

- Use given json data
- Create a database (of your interest such as mongodb, postgresql, sql) from the Json data given.
- Use Flask or Django framework to design and develop a dashboard for Back-end
- For Front-end you can use Javascript/bootstrap, Angular, or React
- For charts or visualizations, you can use either of the following:
  - D3.js (recommended)
  - chart.js
  - fusioncharts
  - plotly.js
  - google charts
  - highcharts
  - etc.
- Use any creating 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.

- Interactive graphs, charts, and visuals are recommended

- The dashboard should read the data from the database.

- Create API in Python to get data from the database

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/dashboards/analytics
2. https://pixinvent.com/demo/vuexy-vuejs-admin-dashboard-template/demo-2/charts/apex-chart

3. https://pixinvent.com/demo/vuexy-vuejs-admin-dashboard-template/demo-2/charts/chartjs

Where to submit it?

To submit your solution, please fill 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. Sooner is better.

Questions?

Text message on Skype id "ajay_1229" if you have any questions.