



Description Tech Task D3 Cloud: Full-Stack Developer Atlassian Applications

API Connector

Backend

Please implement a connector to the Randomuser API service with the following specification:

- Develop java standalone application (Connector) (Spring or Spring boot)
- Connector periodically (JobTask) get data from <https://randomuser.me/api> and save into internal database
- Required Data from <https://randomuser.me/api> - gender, name, location, email
- Documentation of API - <https://randomuser.me/documentation>
- Implement simple GET controller to get users (Response - JSON ("countries": [{"name": <country>, users: [{"name": <userName>, "gender": <gender>, "email": <email>}]}]))
- In case of an unsuccessful synchronization attempt, the Connector should return data from the last successful synchronization

Connector is configured with simple spring.properties

- url - API end point
- userSize - max of users count to get from API
- period - period of synchronization with API in second

For storage, please use a relational database. The best solution would be any Embedded DB

There are no special performance or architecture requirements for the Connector.

###Frontend###

Please implement a small UI application in ReactJS to view data from backend with the following features:

- In top should be simple ComboBox with all Countries and Button to reload data from backend
- In bottom should be show List of users (name, gender, email) from selected in ComboBox country (filter can implement on frontend side)

Result###

The source code please push on any git repository (github, bitbucket, gitlab ...) and provide to instructions for building and starting application

Good luck with your editing and we look forward to seeing your results!