Evaluation Assignment

You need to create an API to be able to give geographical data to the clients via a REST API.

Your dataset is this: https://datahub.io/core/geo-nuts-administrative-boundaries#data . You are free to use MongoDB or PostgreSQL to insert the data and index them in order to be able to make geospatial queries (https://docs.mongodb.com/manual/geospatial-queries/ & https://postgis.net/).

Your API has to look like this:

GET api/search/data?yMin=&yMax=&xMin=&xMax=.

The properties yMin, yMax, xMin & xMax describe a Bounding Box (https://wiki.openstreetmap.org/wiki/Bounding_Box), which is the way the clients will ask the API.

For the API part, you are free to use any framework you like (we recommend Spring with Spring Boot) and any language you like (we recommend Java 11+). Make sure that your code is tested, well documented and you can explain all your technical decisions.

You're welcome to use docker with ready-made images, you can also not use docker, if you describe all the steps, we will need to run your API.

Kinaxia must not be mentioned in the code or any of the documentation provided.

Good luck!