Hello Europe

Technical assignment – software engineer EXTRAQT

The goal of the assignment is to develop a simple web application. The application displays a map of Europe where some countries are highlighted. When you click on one of the countries a message is shown explaining what the people in that country say when greeting each other.

An example of the application can be found in the video.

# Task 1: Backend

The country names, country codes and their geometries are defined in the JSON file.

The backend should connect to the [hellosalut API](https://stefanbohacek.com/project/hellosalut-api/) to perform the translations.

The backend should expose two REST resources.

1. A GET request to fetch the list of countries
2. A GET request with a country name as parameter that returns a message with the translation of ‘hello’ for that country.  
   E.g. country name = ‘Spain’ -> message: ‘In Spain people greet by saying Hola’

The backend should be written in a Java framework of your choice. But we encourage you to try it using [Quarkus](https://quarkus.io/) with maven as build tool.

# Task 2: Frontend

The frontend should fetch the countries from the backend and display it on a map. When clicking on a country the result from the second REST resource should pop up.

The frontend should be written in a JavaScript framework of your choice. But we encourage you to try it using [Nuxt.js](https://nuxt.com/).

# Task 3: Architecture

Create an architectural document that shows the components and the interaction between them on a high level.