Welcome to our **Software Engineer Intern** coding challenge!

In this challenge, you will be tasked with creating a **React frontend** that communicates with a **NodeJS backend running Express**. The goal is to create a frontend user interface that allows users to input any given country as a string and then have information about this country rendered back to the user. The information about the country will be fetched via your NodeJS backend which will send requests to the REST Countries API. The information received from this API should then be sent back to your React frontend using Express e.g as a GET request response.

Your task will be divided into three parts:

1. Creating the React frontend interface / application that allows the user to input a country as a string. Once a string is entered, your frontend application should make requests to the backend NodeJS server to fetch information regarding this country.
2. Creating the NodeJS backend server running Express that retrieves the information for the country from https://restcountries.com/#endpoints-name and sends it back to the frontend for rendering.
3. Process the information received from your NodeJS backend and render this information back to the user in a way that it can be easily ingested & understood by any person.

We're looking for code that is well-structured, readable, and efficient. You should use best practices for both frontend and backend development, and make use of any relevant libraries and tools that you feel will make your work easier. Good luck!

Mandatory Technologies:

● React
● NodeJS
● Express

Marking Criteria:

● Frontend design & UI usability
● Quality of country information rendering
● Deployment / hosting of application (e.g Vercel, Render etc.)
● Loading display logic
● Error handling
● Code structure & quality
● File / repository structure
● README.md clarity
● **(BONUS):** Testing of applications e.g Cypress for frontend & Jest for backend

Submission:

Reply to the email in which you received this coding challenge with the following:

1. **Link to endpoint where your application is running**
2. **Link to GitHub repository containing your source code:**
   - MUST contain a README.md describing how to set up, start & use application
   - Example file structure:
     - frontend/
     - backend/
     - README.md

Deadline: Friday 1st December 2023