API Assignment

We do not expect you to spend more than 4 hours on this. Feel free to spend more if you enjoy the exercise. It is perfectly fine to leave many rough edges or even parts untouched!

Feel free to take any decision and think up somewhat realistic practical scenario. Please explain your decisions and scenario, either as comments in the code or in a README.

Web service

Create a tiny REST API in Java (spring boot) or C# (.net core) that is runnable with Docker.

The API should have two concepts: **company** and **owner**.

A **company** has the following attributes:

- Company Name
- Country
- Phone Number
- One or more owners

An **owner** has the following attributes:

- Name
- Social Security Number

The API may support:

- Create new company
- Get a list of all companies
- Get details about a company
- Update a company
- Add an owner of the company
- Check of Social Security Number

Simulate a backend that can check the Social Security Number by randomly returning "valid/invalid".

The API should define at least two access groups; e.g. one that will not be able to read the Social Security Number.

You do not need consider the security of authenticating to the web service, but propose a protocol/method and justify your choice.

README

Write a good README in Markdown, Restructered Text or alike.

The README should explain how to

- setup and run the service using docker
- query the API using cURL

Sending the work

Zip the reposetory (without compiled files, *.jar, *.dll, *.exe etc.) and send it back.