Objective

Creation of a CRM to optimize the management of *business opportunities* and *customers*. Differentiating clearly between the two.

Technologies to be used

Javascript, React, Java, Spring Boot, Spring Boot, C#, Rest API, TDD, Unit Testing, Selenium

Description of the application

The application should store a list of opportunities as well as all the *contacts* made from the moment
of the initial capture of the information until the conversion into a customer.

Future planned actions (calls, emails, sales visits) must also be stored.

To visualize these actions, it will be possible to choose between a list, a calendar or a Kanban format.

It should be possible to define relationships between contacts and customers. These can be displayed as a simple list or as a tree.

Front

The web must be built with React, no CSS framework is allowed. The application will define the base path to be used
to connect to the API.

API Rest

It will be necessary to create two services that provide the required functionality through an API Rest, one made in Java with Spring Boot and the other one with C# and .Net Core.

Both services must have the same external functionality. They must be indistinguishable for the React application.

Test

API Rest services must be developed using TDD technique. A series of tests covering the business layer must be performed.

For the front end a test suite should be created using Selenium to test the functionality of the interface automatically.

Delivery

A repository/s must be created where the code of each project will be stored.

In addition, it is necessary to create a compressed folder where the source code of the projects will be stored. In this folder you will have to add, in a README file
file, the relevant information for the construction of the applications as well as the addresses of the repositories created.