

# Backend Homework Assignment

## Intro

For a construction project, an issuer can create a tender describing the work that needs to be done on the construction site for which a bidder can hand in one or more offers. The issuer can then accept out of the given offers **only one** that suits best. All the other offers are getting rejected immediately. Once an offer gets accepted, it cannot be rejected anymore.

## Your mission

Build an HTTP API that provides resources to create tenders for which offers can be submitted and accepted. You also have to provide all the resources to query:

- what offers for a tender exists
- what offers a bidder submitted for all or for a specific tender
- what tenders an issuer created

Your API must consume and produce content in JSON.

It is not necessary to have resources to query or create issuers and bidders.

## Your environment

We'd like you to build the API with the Java 8 language or higher. As we're using the Spring Framework ourselves for all the services we create, we encourage you to use the latest version of Spring Boot but let you decide for yourself what kind of java based framework / libraries you think fit best.

For persisting the data we also give you the agony of choice, so we're equally fine with an embedded mongodb, h2 or an external MySQL Db as long as you can explain your decision.

# Evaluation Criteria

1. Provide a public GitHub repository with your solution so that we can review it. Write and commit code as if you would work in a professional environment with several team members.
2. We expect you to provide a clean project setup and documentation that describes how to work with your API. The documentation can either be written as a README or preferably in something like Spring Restdocs.
3. The submitted code must be runnable. Provide a way to build a self-contained executable so that we can easily run it ourselves. For any external dependency like the data storage, you also have to provide a self contained solution we can easily build and run.
4. Document your approach, your decisions and your general notes if any.