PUBLIC SOFT.
CUSTOM MADE SOLUTIONS
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PublicSoft Coding Project

General

- The following project's goal is to prove your skills both at back-end, as well as front-end, implementation.
- You will base your work on an existing sample project, provided to you in the form of a Git repository.
- Post the results of your work in a GitHub repository and give us the URL, so our engineers can check it out.
- Your work doesn't need to be perfect, nor does it need to cover all aspects (e.g. security, scalability etc). However, try to think of it as a real project, and act accordingly Take it as far as you like. If, for example, you don't want to implement a front-end, then don't (the reverse, i.e. not implementing the REST API is kind of difficult anyway….)
- Include any documentation/instructions/thoughts/concessions in a README.md file, in the root of the GitHub repository.
- The task should be completed within 7 days.

Specifications

Back-End:

- We want to store Supplier entities in database, containing the following fields:
  - Company name
  - First name
  - Last name
  - VAT number
  - IRS office
  - Address
  - ZIP code
  - City
  - Country

- Create a CRUD + Search REST API, able to handle Supplier entities.

- Create searches by:
  - Company name
  - VAT number

- Provide information about the api

Front-End:

- Implement the matching CRUD + Search screen(s) for the REST API defined above.
- Provide instructions on deploying and using the deliverable

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Existing sample repository

We made a sample project to help you implement the Supplier entity. You will find an example for the Person entity, and the Supplier.java already defined in model and in liquibase (the tool that will generate the entity tables in your database)

- First of all you should have installed the following requirements:
  - OpenJDK 1.8
  - Maven 3.x
  - Git 2.x
  - MySQL 5.x
  - Node.js 6.x

- Check out the project repository: https://bitbucket.org/public-soft/springbootcrud.git

- This project contains everything needed to run a simple application that have back-end and front-end to handle Person entities. You can expand this example to implement the Supplier entity.

- Server Application:
  - Create an empty database with name: springbootcrud
  - Open the file: springbootcrud-webapp/src/main/resources/application.properties and
  - modify the following properties, depending on your MySQL installation:
  - spring.datasource.username=root
  - spring.datasource.password=root
  - Run the Application.class

- Client Application:
  - Be sure that you are in the springbootcrud-client folder and execute the following command: *npm install*
  - When the installation will be finished you can run the Client with: npm run dev
  - Then you can visit http://localhost:9000

If you have any questions, please do not hesitate to contact us.

Good luck!