



BACKEND DEVELOPER TASK

It is necessary to create a Java backend project (Spring or JavaEE) in which it will be possible to create a potential customer. Each customer provides information about the basic characteristics of the computer they want.

Your task must enable the creation of a new customer (Potential computer buyer), update and retrieval of all existing customers from the database.

The task can be performed in the following steps:

- Creation of a Spring boot or JavaEE project with a high-quality and transparent structure. Use of any more modern IDE IntelliJ, Eclipse, etc. The expected technology is Spring or JavaEE and Hibernate.
- Modeling the DB and the necessary entities. The model must contain at least 2 tables. For example, one in which the customers will store and the other that will contain the computers that the customer is interested in.
- Usage of Hibernate to work with the database.
- Implementing a REST API endpoint for each functionality (creating, updating, retrieving customers, and retrieving their desired computer or their desired computer).
- When creating customers, pay attention: if an exception occurs, that there are no unconnected entities in the database. It is necessary to be guided by the principle "write all or nothing".
- The endpoint for retrieving customers must have the functionality of filtering by first and last name.

There are many options for solving the task, it is up to you to decide how you will solve it. The only condition is the use of the mentioned technologies when solving the task and preparing test cases to demonstrate the functioning of the REST endpoint.

If you think that there are much more efficient technologies for solving the mentioned task, we will be happy to hear from you.

Note: No matter to what extent you have solved the task, send us everything you have done to the email address office@soft-con.eu.