

Task

Backend Developer

Hello! Thank you in advance for your effort you will put into developing this simple project. It will help us understand how you think about certain tasks and what your abilities are.

The main task of this test assignment is to code an e-shop features.

Let's imagine an e-shop selling watches. The store has a REST service for uploading products to the e-shop warehouse.

The watch has some basic information (see JSON below) and also information about the fountain. The fountain is sent as a base64 image.

Example of a fountain watch:

```
{
  "title": "Prim",
  "price": "250000", // int
  "description": "A watch with a water fountain picture",
  "fountain": "R0lGODlhAQABAIAAAUEBAAAACwAAAAAQABAAACAkQBADs="
// base64 picture
}
```

Task:

1. Create a project using the Spring Framework
2. Prepare Controller and Services which will process the incoming payload and map it to the pre-prepared model Watch
3. Correctly validate the input and return the error HTTP status code
4. Save the received data to any DB (just save the images to the DB) and return 201 CREATED
5. Prepare the application to change the format of the input data simply, communication with the e-shop can switch to XML or another format (use request header)

You can use any tools that will make your work easier or will help the project with its long-term sustainability.

Push the result into your own repository, describing your work so that another developer can continue with the work.

Send the result to codereview@cleevio.com and CONTACT [MARTIN](#).

With submitting the final project you **agree** that the final project becomes our property, so you should consider using the tools and frameworks you are entitled to. You also agree that you won't share this document nor the final project with anyone but us.