

# Home Assignment

## Application Specification

### Product

Create a RESTful application using Java and Spring Boot.

It should have an API supporting the basic CRUD operations for products:

- Create a new product
- Retrieve a list of all products
- Update a product
- Delete a product (soft deletion)

Each product should have a SKU (unique id), a name, a price and date it was created.

### Order (optional)

Let's introduce the concept of order, meaning that your API should also support:

- Placing an order
- Retrieving all orders within a given time period

Each order should have a list of products, unique id, the buyer's e-mail, and the time the order was placed.

It should be possible to calculate the total order amount, based on the price of the individual products.

## Requirements

Implement your solution according to the specification above (order part is optional) in **~4hrs**.

- Your code should be "**production ready**"
- Demonstrate **Clean Code** behavior towards code using TDD, BDD, SOLID, etc.
- Provide a **README** file on how to build, test and run the application locally
- Document the endpoints of your API either in **Swagger** or in README file
- Provide a **storage** solution for persisting the API's data

## Submission

Push your code to a **public Git repository** (e.g.: GitHub, GitLab) and send us the link so that we can review it before your potential technical interview.