

IMarket

The project will be an improved copy of the [Online market](#) using Spring boot and REST API. It is designed to gain practical experience in Modern Programming Technologies.

developed by Aleksei Smuraha

Description

The project is intended for both buyers and sellers; it is an online platform where anyone can start selling their products through an online store. Sellers placing their products on the Internet site are obliged to bring the goods to the general warehouse of the online store. Admin rights are granted to the site owner and its employees in order to deliver the ordered goods to the client.

Database requirements:

- At least 6 significant entities (@Entity)
- Using Hibernate for entity mapping
- The presence of connections: 1-1, 1-n, n-n
- Availability of Embedded entities
- The presence of inheritance in entities

Web requirements:

- To implement the presentation layer, use the Spring MVC + Thymeleaf bundle(Perspectively REST + Vue.js, Angular or React)
- UI must be a full-fledged web application with at least 10 web pages, logically connected to each other
- Implement user registration page
- Implement a page with pagination
- Implement message internationalization using Spring

General requirements:

- Using Spring Boot
- Using Spring Security for authentication and authorization on the system
- The presence of the administrator role, as well as the presence of functions available only to the administrator

- Support for working with Cyrillic

User abilities

1. Admin abilities
 - add categories and subcategories
 - delete categories and subcategories
 - view all orders
2. Seller abilities
 - add products
 - delete products
 - set price
3. User abilities
 - Sign in/ Sign out
 - view and buy all available products

Technology Stack

- Java 8
- Maven
- Tomcat
- MySQL
- Spring Boot
- Hibernate
- Junit
- Thymeleaf
- Perspectively
 - REST API
 - Vue.js, Angular or React