Bookstore API

Objective

Your assignment is to implement a bookstore REST API using Kotlin and Spring.

Brief

Lohgarra, a Wookie from Kashyyyk, has a great idea. She wants to build a marketplace that allows her and her friends to self-publish their adventures and sell them online to other Wookies. The profits would then be collected and donated to purchase medical supplies for an impoverished Ewok settlement.

Tasks

- Implement assignment using:
  - Language: **Kotlin**
  - Framework: **Spring**
- Implement a REST API returning JSON or XML based on the `Content-Type` header
- Implement a custom user model with a "author pseudonym" field
- Implement a book model. Each book should have a title, description, author (your custom user model), cover image and price
  - Choose the data type for each field that makes the most sense
- Provide an endpoint to authenticate with the API using username, password and return a JWT
- Implement REST endpoints for the `/books` resource
  - No authentication required
  - Allows only GET (List/Detail) operations
  - Make the List resource searchable with query parameters
- Provide REST resources for the authenticated user
  - Implement the typical CRUD operations for this resource
  - Implement an endpoint to unpublish a book (DELETE)
- Implement API tests for all endpoints

Evaluation Criteria

- **Kotlin** best practices
- If you are using a framework make sure best practices are followed for models, configuration and tests
- Write API tests for all implemented endpoints
- Make sure that users may only unpublish their own books

Please organize, design, test and document your code as if it were going into production - then push your changes to the master branch. Please share a zip of your directory through Google Drive or another platform of your choice.

Don’t spend too much time on it, limit yourself to 4 hours for instance. No problem is not all requirements are met. We use it as a reference for the interview, not for production ;)

All the best and happy coding,

The Trifork Amsterdam Team