Spring-Boot

Simple application to handle entities from db

**DB** - H2

**Build tool** - Maven

**Packaging** - Jar

**Tomcat** - port 4242

**Web** - spring mvc + REST

**Repositories** - spring-data

**Default logging**

**Actuator** with all enabled endpoints

**Profile specific properties** - prod, local, default. Default same as local.

**Spring Boot properties** -

Author name should validated using regexp pattern, which located in property file (not separate file, something like **application.properties**)

Book title should validated using regexp pattern, which located in property file (not separate file, something like **application.properties**)

**Additional requirement** - dont use xml configurations

\***DB schema -** create using flyway

\***Front** - Thymeleaf

**\*Security** -

default login page, in memory authentication.

all endpoints except basic (localhost:4242/) secured for users with role USER, ADMIN

1 additional secured endpoint which would print current user name with all his roles

**\*\*Security** - authentication based on repository

**\*\*Testing** - spring-data-repositories, system, integration. Tests should run automatically on build.

**\*, \*\* - optional advanced tasks**

2 Entities - Author, Book

example of Author:

public class Author {

String name;

Set<Book> book;

}

example of Book:

public class Book {

String title;

private Author author;

}