Bookstore API

You are assisting a tech savvy bookstore owner who is trying to categorize all the books in his store and provide a top-of-the-line method to access the books information. You recommended to the owner that a RESTFUL API is the way to go and offered to design a POC.

A book has the following fields:

|  |  |  |
| --- | --- | --- |
| **Field** | **Type/Format** | **Description** |
| isbn | string | ISBN of book |
| title | String | Book title |
| authors | Array of author | Book Author(s) |
| year | number / int32 | Year of publication |
| price | number / double | Price of Book |
| genre | string | Genre of Book |

An author has the following fields:

|  |  |  |
| --- | --- | --- |
| **Field** | **Type/Format** | **Description** |
| name | string | Author name |
| birthday | string/date | Date of birth of Author |

Your API should allow the following operations:

* Add a new book.
* Update book
* Find books by title and/or author (Exact Match)
* Delete book (Restricted permission)

Notes:

* A book is identified uniquely by its ISBN and can have more than 1 author.
* All books info (Book information like title, ISBN, Year of Publication, Author(s), Price, Genre etc.) must be stored in a database.
* No UI is required, but you are expected to demonstrate the output from each operation. Handling of errors is expected as well.
* Design your API as a **protected resource**
* The **delete book API** should be restricted to only authorized role/user
* Implementation of your API should be done in **Java**