Bookstore Inventory Management System

Overview:

You are in the role of a contractor who designs and develops the first version of the Bookstore Inventory Management System for a customer. The Bookstore Inventory Management System is a web application (REST API only) that allows bookstore owners to manage their inventory efficiently. It provides features for adding, updating, and searching for books. The system will be built using any JAVA technology or framework of your preference.

The whole solution should not take you more than 6 hours, but it is up to you how much time you want to invest in solving the problem.

Approach the project as a real task that you are doing for a real customer. Think about the future of the project and the consequences of your decisions.

Note: If you have any questions or uncertainties do not hesitate to contact us

Key Features:

1. **Book CRUD Operations [REST API]**:
    - Add new books with details like title, author, genre, and price.
    - Update existing book information.
    - Delete books from the inventory.
2. **Search Functionality [REST API]**:
    - Search for books by title, author, or genre.
    - Display search results in a paginated format.
3. **Authentication and Authorization**:
    - Implement basic authentication for bookstore staff.
    - Differentiate between admin and regular users.
    - Admins can perform all CRUD operations, while regular users can only view books.
4. **Database**:
    - Set up a database to store book information.
    - Define appropriate tables and relationships (e.g., Book, Author, Genre).