Online bookstore.

User Management:

Implement a user management system that supports four types of users: manager, employee, customer, and guest. Each user type has specific privileges and access rights within the system. The system should allow user registration, authentication, and authorization mechanisms to ensure secure access and data privacy.

Book Search and Purchase:

Create a book search functionality that allows users to search for books based on various criteria such as title, author, genre, or ISBN. Users should be able to view book details, including the cover image, description, price, and availability. Authenticated customers can add books to their shopping basket and proceed with the purchase, while guests can only view book information without the option to buy or use the basket feature.

Basket Management:

Implement a basket entity to allow authenticated customers to add books to their shopping basket and remove them if needed. The basket should keep track of the selected books, their quantities, and the total price. Users should have the ability to review the contents of their basket, update quantities, and proceed with the checkout process.

Employee and Manager Functions:

Enable managers to manage employee accounts, including creation, modification, and deletion of employee profiles. Managers should also have the authority to manage the book inventory by adding new books, updating book information, and removing books from the system. Employee accounts can be assigned specific roles and permissions based on their responsibilities.

Security and Authorization:

Implement secure authentication and authorization mechanisms to ensure that only authorized users can access specific features and perform privileged actions. Use appropriate encryption techniques to protect user passwords and sensitive information. Apply role-based access control (RBAC) to manage user permissions and restrict access to certain functionalities based on user roles.