Java Final Project

Project Title: Bookstore Storage Management System

Objective: To develop a comprehensive and efficient Bookstore Storage Management system that caters to the needs of both managerial and basic user roles, ensuring proper access control and real-time tracking of inventory.

Technological Stack:

1. **Frontend:** LayUI for rapid and responsive UI development. LayUI is also super useful for form display.
2. **Backend:** Java Spring Boot, providing a robust and scalable foundation for the application's backend services.
3. **Data Persistence Layer:** MyBatisPlus for efficient database operations.
4. **Database:** MySQL, offering a reliable and widely-used relational database system.
5. **Security**: Shiro, a robust security framework.

Team Composition: Solo Project - Meiyu Zhang

Functionalities & Features:

1. **User Authentication:**

   - Allow users to securely login using their account name and password.
   - Implementation of Shiro to ensure security.

2. **User Role Management:**

   - **Super Administrator :**

     - Has the authority to add, delete, or modify user information.
     - Complete access to all system functionalities.
     - Can manage warehouse inventory, which includes adding, deleting, modifying quantity, renaming items.

   - **Guest:**

     - Can view all the books and its storages info.

3. **Inventory Management:**

   - Search functionality to quickly locate items in different categories in the bookstore.
   - Inventory reports based on various parameters like item type, quantity, date added, etc.

4. **Inventory Management:**

   - Search functionality to quickly locate user by its username
   - User reports based on various parameters like item type, quantity, date added, etc.

5. **UI/UX:**

   - Using LayUI for quick and intuitive interface development.
   - Ensure a mobile-responsive design for accessibility on various devices.