Library Management API

Objective

Create an API for a library management system that allows for managing books, users, and book borrowings with appropriate access control.

Requirements

1. **User Roles**:

   - **Admin**: Can manage all books, users, and borrow records.
   - **Librarian**: Can add new books, update book details, and manage book availability.
   - **Member**: Can borrow and return books, view borrowed book history.

2. **Ownership and Access Control**:

   - **Members** can only borrow books if they are available and not borrowed by others.
   - **Librarians** can mark books as available or unavailable.
   - Only **Admins** can view all borrowing records.

3. **Authentication**:

   - Use JWT-based authentication with role validation.
   - Ensure only authenticated users can perform actions based on their roles.

4. **Database Structure**:

   - Define tables for `User`, `Book`, and `BorrowRecord` to track the relationship between users and books.

5. **Expected Functionality**:

   - Track due dates and statuses of borrowed books.
   - Allow members to view their borrowing history.
   - Allow librarians to update book availability.

6. **Bonus**:

   - Add an overdue notification system that alerts users when they have books overdue.