



**Code
Academy**



Lecturer

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Group Project

Data



Task 1

User Authentication:

- Implement user authentication using JWT (JSON Web Tokens).

- Secure endpoints using JWT, ensuring that each request to sensitive endpoints is authenticated.

Role-Based Access Control:

- Define user roles such as Admin and Regular User.

- Admin users can manage user roles, delete reviews, and add or remove books.

Book Management:

- Allow users to add new books to the database with details such as title, author, and publication year.

- Implement CRUD (Create, Read, Update, Delete) operations for book entries.

- Admin users have the ability to edit or delete any book entry.

Review and Rating System:

- Enable users to post reviews on books with a text review and a numerical rating out of five.

- Users can view all reviews for a particular book and see the average rating.

- Admin users can delete reviews that violate platform policies.



Task 1

Search Functionality:

Implement a search API that allows users to find books by title, author, or keywords.

Include filters to sort books by rating, publication year, or number of reviews.