Practical Assignment

Project Detail

Design and implement RESTful APIs for a simple Library Management Module, using which the system can manage (create, read, update, and delete) the following entities.

- Book (BookID, Title, ISBN)
- Borrowed Book(BorrowedID, BookID, UserID , BorrowDate,ReturnDate)(take Date DataType)
- User (UserID, Username)

Deliverables

- Create basic CRUD APIs for each entity mentioned above
- Create an API that will take Book Title as an input and return All Borrowed book details (case insensitive search)
- Create an API that will retrieving books borrowed by a specific user or users who borrowed a specific book.
- Create an API that Will take UserId and Return Borrowed Book Date.
- All APIs should have all basic validations implemented
- Use fluent validation (Optional)
- Error handling should be implemented
- A logger should be implemented
- Use EF/Linq (Optional)
- Implement Onion or N-Tier architecture (Optional)
- The code should be clean and readable