



Assignment 8

create a simple application to manage a collection of books and authors. The application will allow you to:

1. Define the Models

1. Define a book model:

- title (String, required)
- content (String, required)
- author (String, required)
- publishedDate (Date, default to the current date)

2. Define an author model:

- name (String, required)
- bio (String)
- birthDate (Date)
- books (Array of ObjectIds referencing Book model)

2. Test the Application

1. Use a Postman to test the API endpoints:

- POST request to create a new book.
- GET request to retrieve all books.
- GET request to retrieve a single book by its ID.
- PATCH request to update a book by its ID.
- DELETE request to delete a book by its ID.
- POST request to create a new author.
- GET request to retrieve all authors.
- GET request to retrieve a single author by its ID.
- PATCH request to update an author by its ID.
- DELETE request to delete an author by its ID.

Bonus Task

- Add pagination to the *GET* endpoints for retrieving all books and authors.
- Implement search functionality to filter books by title or author, and authors by name or bio.
- Add a relationship so that when retrieving an author, the response includes a list of books written by them.

Post on LinkedIn:

- A GitHub repository containing the complete code for the CRUD application.
- Screenshots or a screen recording of the API endpoints being tested using Postman.

Submission

Submit the GitHub repository link along with a postman documentation.