API with Prisma
Week 3

Build a Blog API Prisma

Overview

This project requires students to integrate all the concepts they've learned into a single, functional application, moving data through the different layers (Express, Node, Prisma, PostgreSQL).

Create a **RESTful API** for a simple blog application that allows users to create, read, update, and delete blog posts and manage users.

Important Notes;

- **DO NOT** use AI to build this project. Do it yourself.

Project Timelines.

Start date:
28th/Oct/2025

Submission deadline:
30th/Oct/2025 at 8:00 pm

Project Requirements;

These stories define the necessary functionality and user experience details.

API Endpoints Required:

Resource	Method	Endpoint	Description
User	POST	**/users**	Create a new user (author).
User	GET	**/users/:id**	Retrieve a user by their ID.
Post	POST	**/posts**	Create a new blog post. Must include the authorId.
Post	GET	**/posts**	Retrieve a list of all posts.
Post	GET	**/posts/:id**	Retrieve a single post by its ID, **including author details**.
Post	PUT	**/posts/:id**	Update an existing post's title or content.
Post	DELETE	**/posts/:id**	Delete a post by its ID.

Tasks for you to complete:

1. Your data models should be well-defined in Prisma (schema.prisma file) so that the structure of my blog data (Author and Post) is clear and relationships are clearly stated.

2. As a user, I want to **sign up as an author** by providing a **username**, **email,** and **password** so I can begin writing posts. The server should return an error if a user with that email already exists.

3. As an author, I want to **create a new blog post** by providing a **title**, **content**, and **my unique authorId** (User ID). The application must immediately log the successful post creation to **blog_activity.log**.

4. As a reader, I want to **see all blog posts** with the post's title, content, and the username of the author included in the response. When I make a GET request to view blog posts.

5. **As an author, I want to remove/delete my post by its ID** so that I can take down irrelevant content.

6. I want **my blog activity log** to persist even if the server restarts, so that I have a continuous record of post creations and deletions. This log should be in a file named **blog_activity.log.** Logging must use the Node.js file system module for file persistence.

7. All data about blogs should be stored in a PostgreSQL database.

Project Submission Link

Link to be provided