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INNOBYTES INTERNSHIP (Jul 21 2024 – Aug 15 2024)

Project Id: SCR845NGFF - RESTful Blog Application API

Database Schema Documentation:

1. Users Collection

Collection Name: users

Description: Stores information about the users of the blog platform, including authentication details.

Field Name	Data Type	Description
_id	ObjectId	Unique identifier for each user.
username	String	The username of the user (unique).
email	String	The email address of the user (unique, lowercase).
password	String	The hashed password for the user's account.
profileImage	String	URL or filename of the user's profile image.
bio	String	A brief biography of the user.
createdAt	Date	Timestamp when the user was created.
updatedAt	Date	Timestamp when the user's details were last updated.

2. Blogs Collection

Collection Name: blogs

Description: Stores blog posts created by users.

Field Name	Data Type	Description
_id	ObjectId	Unique identifier for each blog post.
title	String	The title of the blog post.
author	ObjectId (Ref: User)	Reference to the users collection (author of the blog).
description	String	The main content or description of the blog post.
category	String	Category of the blog post (e.g., Technology, Health).
image	String	URL or filename of the blog post's image.
filePath	String	Path to the image file if stored locally.
comments	Array of ObjectIds (Ref: Comment)	References to the comments collection (comments on the blog).
createdAt	Date	Timestamp when the blog post was created.
updatedAt	Date	Timestamp when the blog post was last updated.

3. Comments Collection

Collection Name: comments

Description: Stores comments made by users on blog posts.

Field Name	Data Type	Description
_id	ObjectId	Unique identifier for each comment.
blog	ObjectId (Ref: Blog)	Reference to the blogs collection (blog post).
author	ObjectId (Ref: User)	Reference to the users collection (author of the comment).
content	String	The content of the comment.
createdAt	Date	Timestamp when the comment was created.

SETUP SCRIPTS:

1. Environment Configuration (.env):

MONGO_URI=mongodb+srv://717821f241:Priyanga_77@cluster0.tlbcftc.mongodb.net/?retryWrites=true&w=majority&appName=Cluster0 PORT=3000.

2. Package Setup Script (package.json):

- **Scripts:**
    - "start": "node server.js": This command starts the application in a production environment.
    - "dev": "nodemon server.js": This command starts the application in development mode using Nodemon, which will automatically restart the server when file changes are detected.
- **Dependencies:**
    - **express**: For building the server and handling routing.
    - **mongoose**: For MongoDB object modeling.

- **dotenv**: For loading environment variables from .env.
- **cors**: To enable Cross-Origin Resource Sharing.
- **multer**: For handling file uploads.
- **nodemon**: For development server auto-reloading.

3. Setting Up the Project:

1. **Install Dependencies:**

   npm install

2. **Run the Development Server:**

   npm run dev

3. **Run the Production Server:**

   npm start