devotel

# Backend Code Assignment: Blog Application

Task:

Develop a secure RESTful API for a blog application with Firebase Authentication. The API should allow users to perform basic CRUD operations (Create, Read, Update, Delete) on blog posts, and access should be secured using Firebase Authentication.

Technical Requirements:

1. Use Node.js and Express.js for the backend.
2. Utilize Firebase for authentication.
3. Using Postgres database to store data
4. Implement the following API endpoints:
    - `GET /posts`: Retrieve a list of all blog posts.
    - `GET /posts/:id`: Retrieve a specific blog post by its ID.
    - `POST /posts`: Create a new blog post.
    - `PUT /posts/:id`: Update a specific blog post by its ID.
    - `DELETE /posts/:id`: Delete a specific blog post by its ID.
5. Each blog post should have the following attributes:
    - `id`: a unique identifier for the post.
    - `title`: the title of the blog post.
    - `content`: the content/body of the blog post.
    - `Image`:the image url of post, this image should save in local storage
6. Secure the API using Firebase Authentication. Only authenticated users should be able to perform CRUD operations.
7. Include appropriate error handling and validation for each endpoint.

Bonus (Optional):

Developing in nest js and typescript
Add roles-based access control to restrict certain operations to specific user roles.
Implement pagination for the list of blog posts.

Deadline:

You have 48 hours from the time they receive the assignment to submit their completed Assignment Application.

Evaluation Criteria:

1. Code structure and organization.
2. Use of Firebase Authentication for securing the API.
3. Use of best practices in Node.js, Express.js, and Firebase development.
4. Error handling and validation.
5. Completeness of the required features.
6. Bonus points for implementing the bonus tasks, especially roles-based access control.

Submission:

You are required to submit the source code for the project along with any necessary instructions for running the application. Include a brief explanation of architecture decisions and any challenges faced during the implementation.