

**PRIYANGASRI S**

E-mail: [priyanga77004@gmail.com](mailto:priyanga77004@gmail.com)

**INNOBYTES INTERNSHIP (Jul 21 2024 – Aug 15 2024)**

Project Id: SCR845NGFF - RESTful Blog Application API

## **Blog API Documentation**

### **Base URL**

`http://localhost:3000/api`

### **Endpoints**

#### **1. Get All Blogs**

- URL: `/blogs`
- Method: GET
- Description: Fetches all blog posts from the database, sorted by creation.
- Request
- Headers: None
- Parameters: None

#### **Response**

- Status: 200 OK
- Body:

```
{
  "_id": "64cfb7f21b2c4f0015dd7f1c",
  "title": "Sample Blog",
  "author": "John Doe",
  "description": "This is a sample blog post.",
  "category": "Technology",
  "image": "image123.jpg",
  "filePath": "/uploads/image123.jpg",
  "createdAt": "2023-08-14T00:00:00.000Z",
  "updatedAt": "2023-08-14T00:00:00.000Z"
},...]
```

## 2. Get a Single Blog by ID

- URL: /blogs/:id
- Method: GET
- Description: Fetches a single blog post by its ID.

### Request

- Headers: None
- Parameters:
  - id: The ID of the blog to fetch.

### Response

- Status:
  - 200 OK if the blog is found.
  - 400 Bad Request if the ID is invalid.
  - 404 Not Found if the blog is not found.
- Body (200 OK):

```
{  
  "_id": "64cfb7f21b2c4f0015dd7f1c",  
  "title": "Sample Blog",  
  "author": "John Doe",  
  "description": "This is a sample blog post.",  
  "category": "Technology",  
  "image": "image123.jpg",  
  "filePath": "/uploads/image123.jpg",  
  "createdAt": "2023-08-14T00:00:00.000Z",  
  "updatedAt": "2023-08-14T00:00:00.000Z"  
}
```

### 3. Create a New Blog

- URL: /blogs
- Method: POST
- Description: Creates a new blog post.

#### Request

- Headers:
  - Content-Type: application/json
- Body:

```
{  
  "title": "New Blog Post",  
  "author": "Jane Doe",  
  "description": "This is a new blog post.",  
  "category": "Lifestyle"  
}
```

- Optional File Upload (for images):
  - Field Name: image
  - File Type: image/\* (e.g., .jpg, .png)

#### Response

- Status:
  - 201 Created if the blog is successfully created.
  - 500 Internal Server Error if an error occurs during creation.
- Body:

```
{  
  "message": "Blog added successfully"  
}
```

#### 4. Update a Blog by ID

- URL: /blogs/:id
- Method: PUT
- Description: Updates an existing blog post by its ID.

##### Request

- Headers:
  - Content-Type: application/json
- Parameters:
  - id: The ID of the blog to update.
- Body :

```
{  
  "title": "Updated Blog Post",  
  "author": "John Doe",  
  "description": "This is an updated blog post.",  
  "category": "Technology"  
}
```

- Optional File Upload (for images):
  - Field Name: image
  - File Type: image/\* (e.g., .jpg, .png)

##### Response

- Status:
  - 200 OK if the blog is successfully updated.
  - 400 Bad Request if the ID is invalid.
  - 404 Not Found if the blog is not found.
  - 500 Internal Server Error if an error occurs during the update.
- Body:

```
{  
  "_id": "64cfb7f21b2c4f0015dd7f1c",  
  "title": "Updated Blog Post",  
  "author": "John Doe",  
}
```

```
"description": "This is an updated blog post.",
"category": "Technology",
"image": "updatedImage.jpg",
"filePath": "/uploads/updatedImage.jpg",
"createdAt": "2023-08-14T00:00:00.000Z",
"updatedAt": "2023-08-14T00:00:00.000Z"
}
```

## 5. Delete a Blog by ID

- URL: /blogs/:id
- Method: DELETE
- Description: Deletes a blog post by its ID.

### Request

- Headers: None
- Parameters:
  - id: The ID of the blog to delete.

### Response

- Status:
  - 200 OK if the blog is successfully deleted.
  - 400 Bad Request if the ID is invalid.
  - 404 Not Found if the blog is not found.
- Body:

```
{
  "_id": "64cfb7f21b2c4f0015dd7f1c",
  "title": "Sample Blog",
  "author": "John Doe",
  "description": "This is a sample blog post.",
  "category": "Technology",
  "image": "image123.jpg",
  "filePath": "/uploads/image123.jpg",
  "createdAt": "2023-08-14T00:00:00.000Z",
}
```

```
"updatedAt": "2023-08-14T00:00:00.000Z"
```

```
}
```

## Request and Response Examples

### 1. Get All Blogs

- Request: GET `http://localhost:5000/api/blogs`
- Response:

```
{ "_id": "64cfb7f21b2c4f0015dd7f1c",  
  "title": "Sample Blog",  
  "author": "John Doe",  
  "description": "This is a sample blog post.",  
  "category": "Technology",  
  "image": "image123.jpg",  
  "filePath": "/uploads/image123.jpg",  
  "createdAt": "2023-08-14T00:00:00.000Z",  
  "updatedAt": "2023-08-14T00:00:00.000Z"  
}]
```

### 2. Get a Single Blog by ID

- Request: GET `http://localhost:3000/api/blogs/64cfb7f21b2c4f0015dd7f1c`
- Response:

```
{  
  "_id": "64cfb7f21b2c4f0015dd7f1c",  
  "title": "Sample Blog",  
  "author": "John Doe",  
  "description": "This is a sample blog post.",  
  "category": "Technology",  
  "image": "image123.jpg",  
  "filePath": "/uploads/image123.jpg",  
  "createdAt": "2023-08-14T00:00:00.000Z",  
  "updatedAt": "2023-08-14T00:00:00.000Z"  
}
```

### 3. Create a New Blog

- Request:

bash

Copy code

```
curl -X POST http://localhost:3000/api/blogs \
-H 'Content-Type: application/json' \
-d '{"title":"New Blog Post","author":"Jane Doe","description":"This is a new blog post.","category":"Lifestyle"}'
```

- Response:

```
{
  "message": "Blog added successfully"
}
```

### 4. Update a Blog by ID

- Request:

```
curl -X PUT http://localhost:3000/api/blogs/64cfb7f21b2c4f0015dd7f1c \
-H 'Content-Type: application/json' \
-d '{"title":"Updated Blog Post","author":"John Doe","description":"This is an updated blog post.","category":"Technology"}'
```

- Response:

```
{
  "_id": "64cfb7f21b2c4f0015dd7f1c",
  "title": "Updated Blog Post",
  "author": "John Doe",
  "description": "This is an updated blog post.",
  "category": "Technology",
  "image": "updatedImage.jpg",
  "filePath": "/uploads/updatedImage.jpg",
  "createdAt": "2023-
```