API Documentation:

For detail documentation run the Spring Boot Java Application and use the following URLs:

* http://localhost:8080/v2/api-docs
* http//localhost:8080/swagger-ui.html

**Requirements:**

Java 8

MySQL

**Setting up a development environment:**

\* Clone this repository onto your local machine.

\* Create a MySQL database and import the MySQL-data-export.sql file to create the necessary tables and database.

\* Update the application.properties file located in src/main/resources with your MySQL database credentials.

\* Open the project in an IDE such as Eclipse.

\* Run the BlogApplication.java file as a Java Application.

**Using the API**

Once the development environment is set up, the API can be accessed through a REST client such as Postman.

### **Base URL**

/blogs

### **HTTP Methods**

#### GET /blogs

Retrieves all Blog resources sorted by descending order of dateCreated.

##### **Response**

* Status Code: 200 OK
* Content-Type: application/json
* Response Body:

[ { "id": 1, "title": "Title 1", "body": "Body 1", "tags": "Tag 1", "dateCreated": "2023-04-29T10:30:00Z" }, { "id": 2, "title": "Title 2", "body": "Body 2", "tags": "Tag 2", "dateCreated": "2023-04-28T10:30:00Z" }]

#### GET /blogs/{id}

Retrieves a single Blog resource by its ID.

##### **Request Parameters**

* id: The ID of the Blog resource to retrieve. Integer.

##### **Response**

* Status Code: 200 OK
* Content-Type: application/json
* Response Body:

{ "id": 1, "title": "Title 1", "body": "Body 1", "tags": "Tag 1", "dateCreated": "2023-04-29T10:30:00Z" }

#### POST /blogs

Creates a new Blog resource.

##### **Request Body**

* title: The title of the Blog resource. String.
* body: The body of the Blog resource. String.
* tags: The tags of the Blog resource. String.

##### **Response**

* Status Code: 201 Created

#### PUT /blogs

Updates an existing Blog resource.

##### **Request Body**

* id: The ID of the Blog resource to update. Integer.
* title: The updated title of the Blog resource. String.
* body: The updated body of the Blog resource. String.
* tags: The updated tags of the Blog resource. String.

##### **Response**

* Status Code: 200 OK

#### DELETE /blogs/{id}

Deletes a single Blog resource by its ID.

##### **Request Parameters**

* id: The ID of the Blog resource to delete. Integer.

##### **Response**

* Status Code: 200 OK

#### Error Responses

* 404 Not Found: Returned if a Blog resource with the given ID does not exist.