



## SQA: Manual & Automated Testing

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### লাইভ টেস্ট

#### অভিনন্দন!

আপনি লাইভ টেস্টটি কমপ্লিট করেছেন।



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### প্রশ্ন

#### Simple Blog API

#### Endpoint Documentation for Testing

BASE URL: <https://ria.zayedabdullah.com/ostad/simpleblog/api/v1>

#### 1. User Registration Endpoint



- URL: /auth/register/
- Method: POST
- Request Body:
  - username (string): Required
  - password (string): Required

- **Response:**

- 201 Created: The user was successfully registered.
- Content-Type: application/json
- Returns the registered user's information (without the password).

## 2. Blog List Endpoint

- URL: /blogs/
- Method: GET

- **Response:**

- 200 OK: Returns a list of blogs in JSON format.
- Content-Type: application/json
- Each blog contains:
  - title (string): Blog title.
  - content (string): Blog content.
  - created\_at (string, date-time): Creation timestamp (read-only).
  - creator (User object): The user who created the blog (read-only).

- **Security:**

- Basic Authentication

## 3. Blog Creation Endpoint

- URL: /blogs/
- Method: POST
- Request Body:
  - title (string): Required
  - content (string): Required

- **Response:**

- 201 Created: The blog was successfully created.
- Content-Type: application/json
- Returns the created blog's details including title, content, created\_at, and creator.

- **Security:**

- Basic Authentication

Tasks for Testing API Endpoints Using Postman



**● Task 1: Test User Registration**

- Use the POST method to send a request to the auth/register/ endpoint.
- Create a new user with username and password.
- Verify the response status code is 201 and check if the returned data matches the registered user details.
- Write a Test Script in Postman to verify the status code 201.

**● Task 2: Test Blog Listing**

- Use the GET method to request the blogs/ endpoint.
- Ensure you provide valid authentication credentials. Use the created username and password to authenticate. Use Basic Auth for authentication.
- Verify that the response status is 200 if authentication is successful.
- Ensure the response contains a list of blogs in JSON format. And it follows the structure mentioned in the documentation.
- Write a Test Script in Postman to verify the status code 200.

**● Task 3: Test Blog Creation**

- Use the POST method to send a request to the blogs/ endpoint.
- Create a new blog with a title and content.
- Ensure the correct response code 201 is returned if the blog is successfully created.
- Verify that valid authentication is required for this request.
- Write a Test Script in Postman to verify the status code 201.

**● Task 4: Generate Newman Report**

- Generate a Newman report for all the scripts you've written for the past 3 tasks.

**Submission Guideline:**

- Save all requests to a collection.
- Export the collection and write the URL in a text or docs file in a Google Drive folder.
- Use Newman to generate test reports. Take a screenshot of the Newman report and upload that to the Google Drive folder.
- Share the Google Drive link. Make sure it is public.



**Notes:**

- Make sure the shared Google Drive folder contains a text/doc file containing your Postman collection URL and a screenshot of your Newman report.

**আপনার উত্তর**

<https://drive.google.com/drive/folders/1UBjfpGBONrjxzV2pmGSwDPbW9hm86cuV?usp=sharing>

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