

# **Blog Platform API Testing Report**

Prepared by

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This report demonstrates API testing performed using Postman for a MERN-based Blog Platform application.

## User Registration API (POST /api/auth/register)

The screenshot shows the Postman interface with the following details:

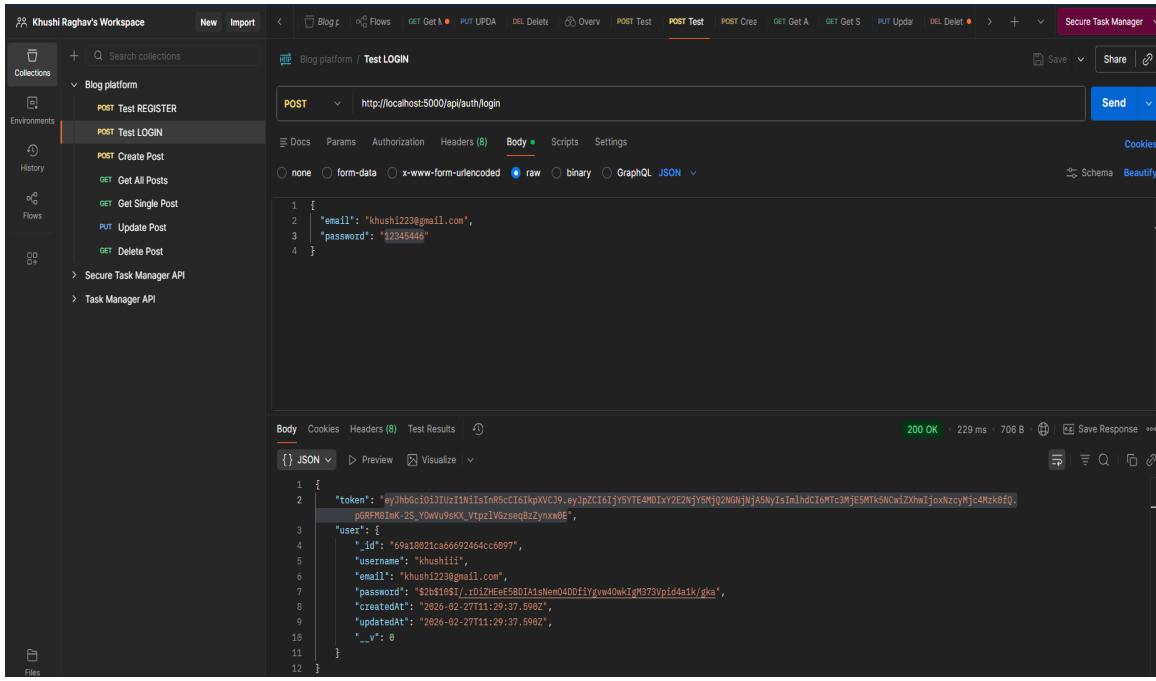
- Collection:** Khushi Raghav's Workspace
- Environment:** Blog platform
- Request:** POST Test REGISTER
- URL:** http://localhost:5000/api/auth/register
- Body (raw JSON):**

```
1 {
2     "username": "khushiiii",
3     "email": "khush123@gmail.com",
4     "password": "12345446"
5 }
```
- Response Status:** 201 Created
- Response Body (JSON):**

```
1 {
2     "username": "khushiiii",
3     "email": "khush123@gmail.com",
4     "password": "$2b$10$1r0dZHeE5BDI1m1sNem040Df1Ygvw0wkIgM373Vpid4a1k/gka",
5     "_id": "69a18821ca6692464cc5697",
6     "createdAt": "2025-02-27T11:29:37.598Z",
7     "updatedAt": "2025-02-27T11:29:37.598Z",
8     "__v": 0
9 }
```

This endpoint is used to register a new user by providing username, email, and password. The successful response confirms account creation and stores user credentials securely.

## User Login API (POST /api/auth/login)



The screenshot shows the Postman application interface. On the left, the sidebar lists collections, environments, history, flows, and secure task manager/task manager API. The main area shows a test collection named "Blog platform" with a sub-collection "Test LOGIN". A POST request is selected for "Test LOGIN" with the URL "http://localhost:5000/api/auth/login". The request body is set to raw JSON:

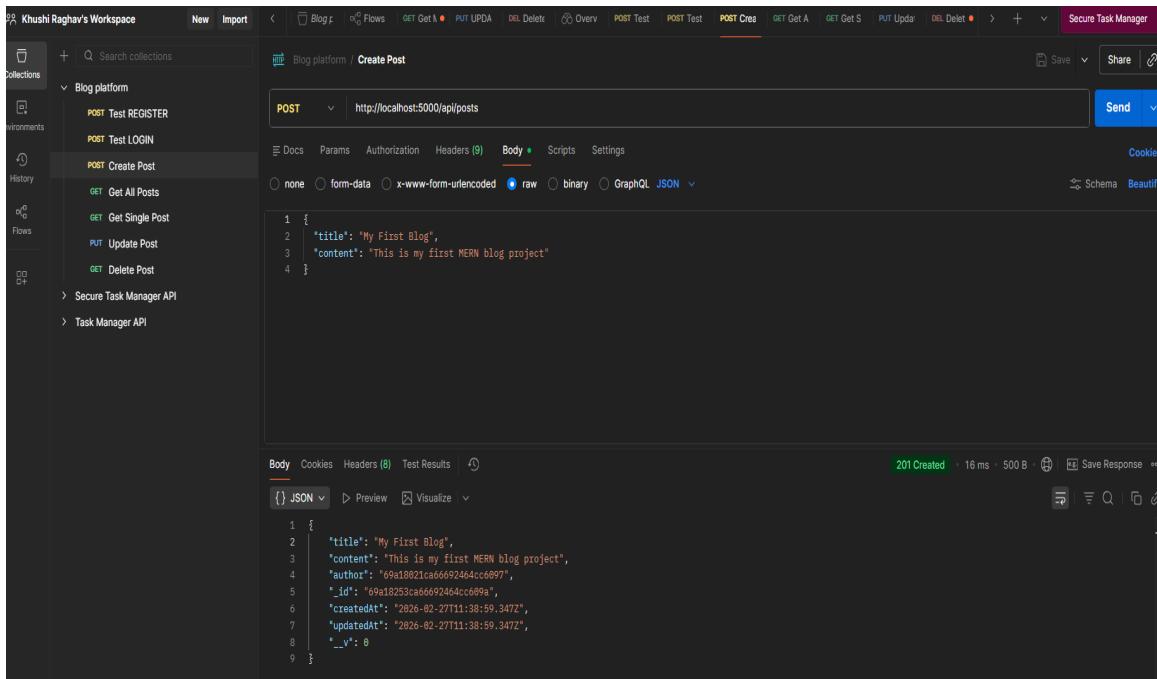
```
1 {
2   "email": "khush1223@gmail.com",
3   "password": "12345678"
4 }
```

The response tab shows a successful 200 OK status with a response time of 229 ms and a response size of 708 B. The response body is displayed as JSON:

```
1 {
2   "token": "eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJpZCI6IjY5YTE4M0IxY2E2NjY5MjQ2NGljNjA5NyIsInlhC16HtC3MjE5MTk5NCwzXhmljoaNzcyWjic4Mzk0fQpGRM01MK-2S_Y0VuV9qX_Vtp2lVgsseqBzynxm0E",
3   "user": {
4     "_id": "6a188021ca66692464cc6897",
5     "username": "khushii",
6     "email": "khush1223@gmail.com",
7     "password": "$2b$10$1./r012HEe580IA1sNem04DDfiYpvw40wIkIgM373Vpid4s1k/gka",
8     "createdAt": "2026-02-27T11:29:37.598Z",
9     "updatedAt": "2026-02-27T11:29:37.598Z",
10     "__v": 0
11   }
12 }
```

This endpoint authenticates users using email and password. On successful login, a token is generated which is used for authorized operations within the application.

## Create Post API (POST /api/posts)



The screenshot shows the Secure Task Manager interface. On the left sidebar, under the 'Collections' section, there is a tree view with the following items:

- Blog platform
  - POST Test REGISTER
  - POST Test LOGIN
  - POST Create Post** (selected)
  - GET Get All Posts
  - GET Get Single Post
  - PUT Update Post
  - DELETE Delete Post
- > Secure Task Manager API
- > Task Manager API

The main workspace shows a POST request to `http://localhost:5000/api/posts`. The 'Body' tab is selected, showing the following JSON payload:

```
1 {
2   "title": "My First Blog",
3   "content": "This is my first MERN blog project"
4 }
```

Below the body, the response is shown in the 'Test Results' tab, which is also selected. The response status is `201 Created`, and the response body is:

```
1 {
2   "title": "My First Blog",
3   "content": "This is my first MERN blog project",
4   "author": "69a18821ca66092464cc0897",
5   "_id": "69a18253ca66092464cc089a",
6   "createdAt": "2026-02-27T11:38:59.347Z",
7   "updatedAt": "2026-02-27T11:38:59.347Z",
8   "__v": 0
9 }
```

This API allows authenticated users to create new blog posts by submitting a title and content. The response confirms successful post creation.

## Get All Posts API (GET /api/posts)

The screenshot shows the Secure Task Manager interface. On the left, there's a sidebar with 'Collections' (selected), 'Environments', 'History', 'Flows', and 'Files (BETA)'. Under 'Collections', there's a tree view with 'Blog platform' expanded, showing 'Test REGISTER', 'Test LOGIN', 'Create Post', 'Get All Posts' (which is selected and highlighted in orange), 'Get Single Post', 'Update Post', and 'Delete Post'. Below this are 'Secure Task Manager API' and 'Task Manager API'. The main area has tabs for 'Docs', 'Params', 'Authorization', 'Headers (6)', 'Body', 'Scripts', and 'Settings'. The 'Body' tab is active, showing 'none' selected. Below it, a note says 'This request does not have a body'. To the right, there's a 'Send' button. At the bottom, there's a preview section with '200 OK', '84 ms', '528 B', and a 'Save Response' button. The preview shows a JSON response with one item:

```
{} JSON ▾ ▶ Preview ▶ Visualize ▾
1 [
2   {
3     "_id": "69e10259:ca66972464:cc699:a",
4     "title": "My First Blog",
5     "content": "this is my first MERN blog project",
6     "author": {
7       "_id": "69a188021ca66692464:cc699:7",
8       "username": "kushilli"
9     },
10    "createdAt": "2026-02-27T11:38:59.347Z",
11    "updatedAt": "2026-02-27T11:38:59.347Z",
12    "__v": 0
13  }
14 ]
```

This endpoint retrieves all blog posts stored in the database, displaying details such as title, content, author, and timestamps.

## Get Single Post API (GET /api/posts/:id)

The screenshot shows a REST API testing interface with the following details:

- Collection:** Blog platform
- Request Type:** GET
- URL:** http://localhost:5000/api/posts/69a18253ca6692464cc609a
- Headers:** Authorization (Bearer token), Content-Type (application/json)
- Body:** None
- Response Status:** 200 OK
- Response Time:** 20 ms
- Response Size:** 528 B
- Response Content:**

```
{ "_id": "69a18253ca6692464cc609a", "title": "My First Blog", "content": "This is my first MERN blog project", "author": { "_id": "69a18021cae6692464cc6097", "username": "Khushili" }, "createdAt": "2026-02-27T11:38:59.347Z", "updatedAt": "2026-02-27T11:38:59.347Z", "__v": 0 }
```

This API fetches a specific blog post using its unique ID, allowing users to view detailed information about a selected post.