

API Endpoints and Successful Interactions List:

1- User Registration

- Endpoint: POST /api/users/register
- Command:

```
curl -X POST http://localhost:5001/api/users/register -H "Content-Type: application/json" -d '{"username": "AliBenjouad", "email": "alibenji977@test.com", "password": "root", "role": "User"}'
```

Result: Registration successful, user AliBenjouad was created.

2- User Login

- Endpoint: POST /api/users/login
- Command:

```
curl -X POST http://localhost:5001/api/users/login -H "Content-Type: application/json" -d '{"username": "AliBenjouad", "password": "root"}'
```

Result: Login successful, JWT returned. For the rest of the tests, use the token obtained from this login. If the token changes (due to server restart), login again and use the new token.

3- Create a New Question

- Endpoint: POST /api/questions/
- Command:
-

```
curl -X POST http://localhost:5001/api/questions/ -H "Content-Type: application/json" -H "Authorization: Bearer eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJ1c2VyIjoiNjY0Y2I0NjNmYTFiZGI1YzJjZDg5YWE3In0sImhhdCI6MTcxNjMwNDcyOCwiZXhwIjozE2MzA4MzI4fQ.pwAaEMi5e6sR1p_YnKwjyqKobIk9EbjOdCBVHY6ptD4" -d '{"title": "How to improve API security?", "body": "What are the best practices for securing REST APIs?"}'
```

Result: Question created successfully.

4- Retrieve All Questions

- Endpoint: GET /api/questions/
- Command:

```
curl -X GET http://localhost:5001/api/questions/ -H "Authorization: Bearer eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJ1c2Vyljpw7lmlkljoiNjY0Y2l0NjNmYTFiZGI1YzJjZDg5YWE3In0sImVudCI6MTcxNjMwNDcyOCwiZXhwIjoxNzE2MzA4MzI4fQ.pwAaEMi5e6sR1p_YnKwjyqKoblK9EbjOdCBVHY6ptD4"
```

Result: Questions retrieved successfully.

5- Add an Answer to a Question

- Endpoint: POST /api/answers/QUESTION_ID
- Command:

```
curl -X POST http://localhost:5001/api/answers/QUESTION_ID -H "Content-Type: application/json" -H "Authorization: Bearer eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJ1c2Vyljpw7lmlkljoiNjY0Y2l0NjNmYTFiZGI1YzJjZDg5YWE3In0sImVudCI6MTcxNjMwNDcyOCwiZXhwIjoxNzE2MzA4MzI4fQ.pwAaEMi5e6sR1p_YnKwjyqKoblK9EbjOdCBVHY6ptD4" -d '{"text": "Here's my answer to the question."}'
```

Result: Answer added successfully.

6- Retrieve All Comments for an Answer

- Endpoint: GET /api/comments/ANSWER_ID
- Command:

```
curl -X GET http://localhost:5001/api/comments/ANSWER_ID -H "Authorization: Bearer eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJ1c2Vyljpw7lmlkljoiNjY0Y2l0NjNmYTFiZGI1YzJjZDg5YWE3In0sImVudCI6MTcxNjMwNDcyOCwiZXhwIjoxNzE2MzA4MzI4fQ.pwAaEMi5e6sR1p_YnKwjyqKoblK9EbjOdCBVHY6ptD4"
```

Result: Comments retrieved successfully.