**To test your code in Swagger UI (http://127.0.0.1:8000/docs), here are the test scenarios you should follow: <hr></hr>**

**1. User Registration (POST /users/)**

Scenario 1: Register a new user with a unique email.

Input: {"username": "testuser", "email": "test@example.com", "password": "password123"}

Expected: 201 Created with user details (excluding password).

Scenario 2: Try registering the same user again.

Expected: 400 Bad Request with "Email already registered".

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**2. User Login (POST /users/login)**

Scenario 1: Login with valid credentials.

Input: {"email": "test@example.com", "password": "password123"}

Expected: 200 OK with access\_token and token\_type.

Scenario 2: Login with invalid credentials.

Input: Wrong email or password.

Expected: 401 Unauthorized with "Incorrect email or password".

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**3. Get Current User (GET /users/me)**

Scenario 1: Fetch current user info with a valid token.

Input: Add Bearer <access\_token> in the Authorization header.

Expected: 200 OK with user details.

Scenario 2: Fetch without a token.

Expected: 401 Unauthorized.

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**4. Create a Task (POST /tasks/)**

Scenario 1: Create a task with a valid token.

Input: {"title": "Test Task", "description": "Task description"}

Expected: 201 Created with task details.

Scenario 2: Create a task without a token.

Expected: 401 Unauthorized.

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**5. Get All Tasks (GET /tasks/)**

Scenario 1: Fetch all tasks with a valid token.

Expected: 200 OK with a list of tasks.

Scenario 2: Fetch without a token.

Expected: 401 Unauthorized.

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**6. Add a C.’/’omment (POST /comments/)**

Scenario 1: Add a comment to a task with a valid token.

Input: {"content": "This is a comment", "task\_id": 1}

Expected: 201 Created with comment details.

Scenario 2: Add a comment without a token.

Expected: 401 Unauthorized.

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**7. Get Comments for a Task (GET /comments/{task\_id})**

Scenario 1: Fetch comments for a task with a valid token.

Input: Task ID in the URL path.

Expected: 200 OK with a list of comments.

Scenario 2: Fetch comments without a token.

Expected: 401 Unauthorized.

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**8. Error Scenarios**

Invalid Task ID: Fetch a task or comments for a non-existent task ID.

Expected: 404 Not Found.

Invalid Comment ID: Fetch a comment by an invalid ID.

Expected: 404 Not Found.

<hr></hr> These scenarios will ensure your endpoints are working as expected and handle both valid and invalid cases.