**📄 Monitoring - UserService API Documentation**

**📍 Base URL**

http://<EC2-IP>:8080 *Replace <EC2-IP> with your deployed EC2 instance IP.*

**🚀 API Endpoints**

**1️⃣ User Registration**

* **Method:** POST
* **Endpoint:** /user/register
* **Description:** Registers a new user.
* **Request Body:**

{

"name": "John Doe",

"email": "john@example.com",

"password": "password123",

"fcm\_token": "xyz123token"

}

* **Success Response:**

{

"status": "success",

"message": "User registered successfully",

"data": {

"name": "John Doe",

"email": "john@example.com"

}

}

**2️⃣ User Login**

* **Method:** POST
* **Endpoint:** /user/login
* **Request Body:**

{

"email": "john@example.com",

"password": "password123"

}

**3️⃣ Store Device Token**

* **Method:** POST
* **Endpoint:** /user/device-token
* **Request Body:**

{

"email": "john@example.com",

"fcm\_token": "new\_token\_456"

}

**4️⃣ Get User by ID**

* **Method:** GET
* **Endpoint:** /user/{id}
* **Description:** Fetch user details by MongoDB ObjectID.

**5️⃣ Send Test Email**

* **Method:** GET
* **Endpoint:** /user/send-test-email
* **Description:** Sends a test email to verify email service.

**📂 Postman Collection**

* Import Monitoring\_UserService\_APIs.postman\_collection.json into Postman.
* Set the {{base\_url}} variable to your deployed server URL.

**🚀 Deployment Guide on AWS EC2**

**⚙️ Prerequisites**

* AWS EC2 instance (Amazon Linux)
* Port **8080** open in Security Group
* monitor-ec2.pem key file
* Go 1.18+ installed
* MongoDB connection URI & SMTP credentials ready

**📦 Deployment Steps**

1. **SSH into EC2:**

ssh -i "monitor-ec2.pem" ec2-user@<EC2-IP>

1. **Install Go (if not already installed):**

sudo yum update -y

sudo yum install golang -y

1. **Clone the Repository:**

git clone https://github.com/rahul-chaube/monitoring.git

cd monitoring

1. **Configure Environment Variables:**

* Create a .env file and add MongoDB & SMTP settings.

1. **Build & Run the Service:**

go mod tidy

go run main.go

1. **Run in Background (Optional):**

nohup go run main.go &

1. **Verify Deployment:**

* Test using Postman or browser:

http://<EC2-IP>:8080/user/send-test-email

1. **Share Deployment Info:**

* *"Deployed UserService API on: http://:8080"*
* Attach Postman collection & API documentation.

**✅ Notes**

* Ensure .env is correctly set before running.
* Use Postman for quick endpoint validation.
* Coordinate with frontend team for Dashboard API consumption.
* For further improvements or issues, contact the backend team.