

# Online Quiz Platform

## Project

## Description:

Building an online quiz platform where users can take quizzes on various topics. The quizzes are multiple-choice questions with a single correct answer. Users can sign up, create quizzes, take quizzes, and view their results. The project is built using Django Rest Framework with JWT authentication

The following features are implemented:

1. User Authentication
2. Quiz Creation
3. Quiz Taking
4. Quiz Results
5. Quiz Listing
6. Quiz Filtering
7. Quiz Analytics
8. User Profile
9. User Management

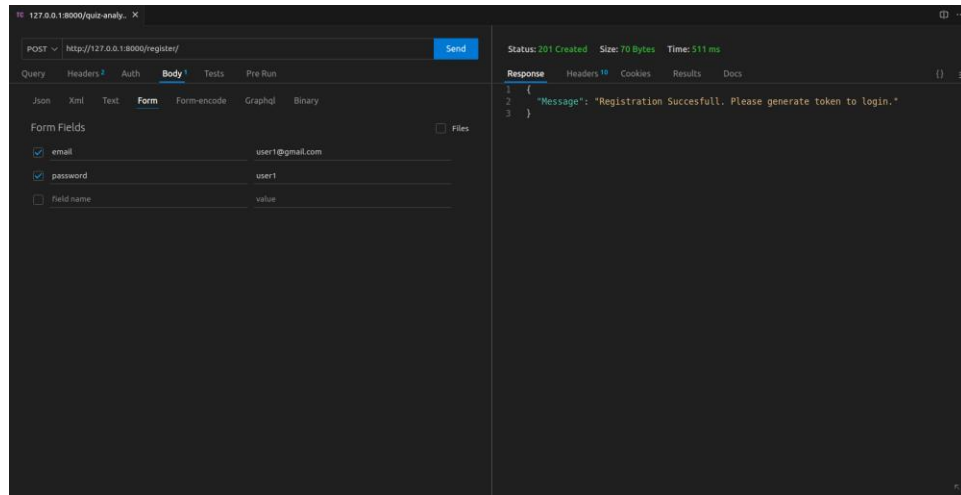
## Requirements:

- Django
- Pillow
- Markdown
- Djangorestframework
- Django-filter
- Djangorestframework-simplejwt

## USER AUTHENTICATION

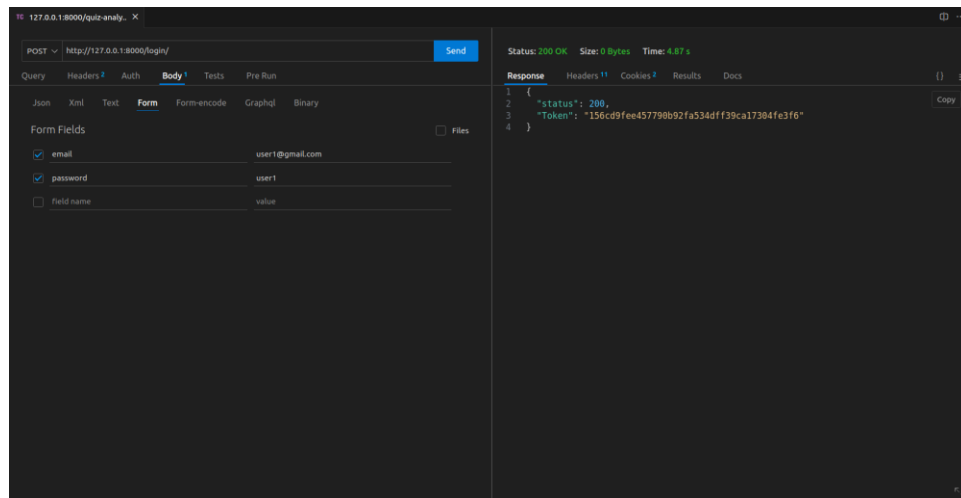
Users should be able to sign up, log in, and log out. The authentication system should use JWT tokens.

- **Registration (Sign up)**
  - User can register into the app by passing the email and password. Here the email is used as username for login purpose



- **Login**

→ User can login into the app by using the email as username and password

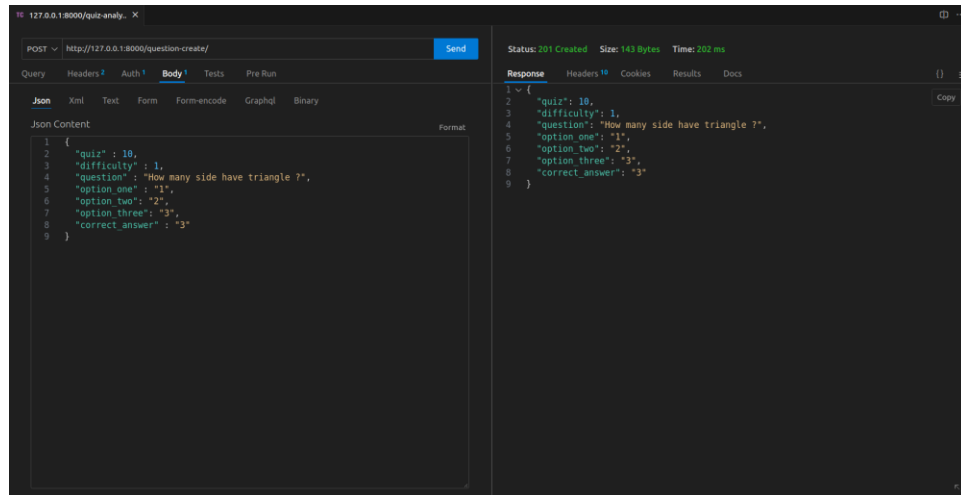


- **Token Generation**

→ By submitting the username and password, the token will be generated for the user

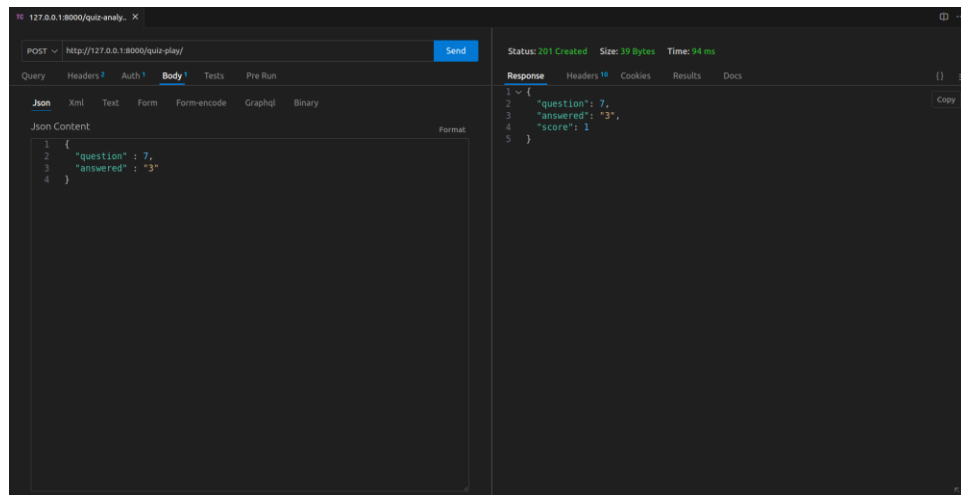


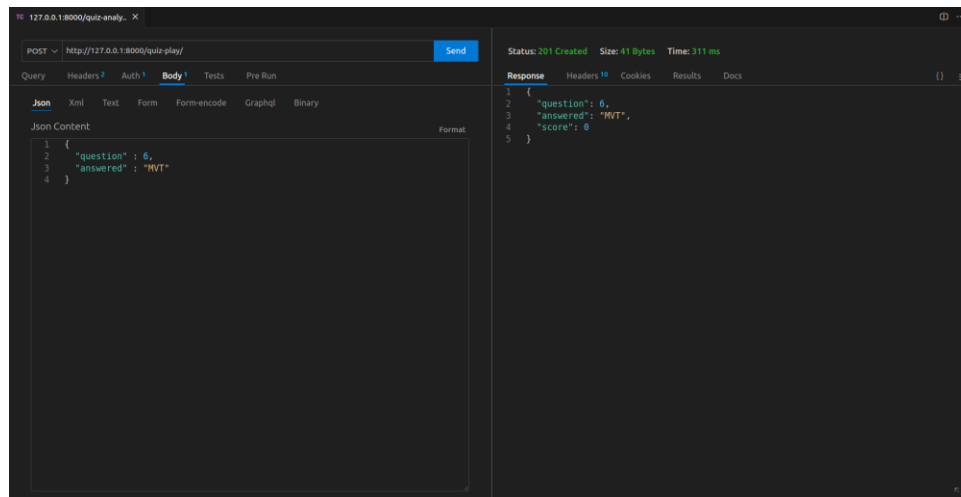
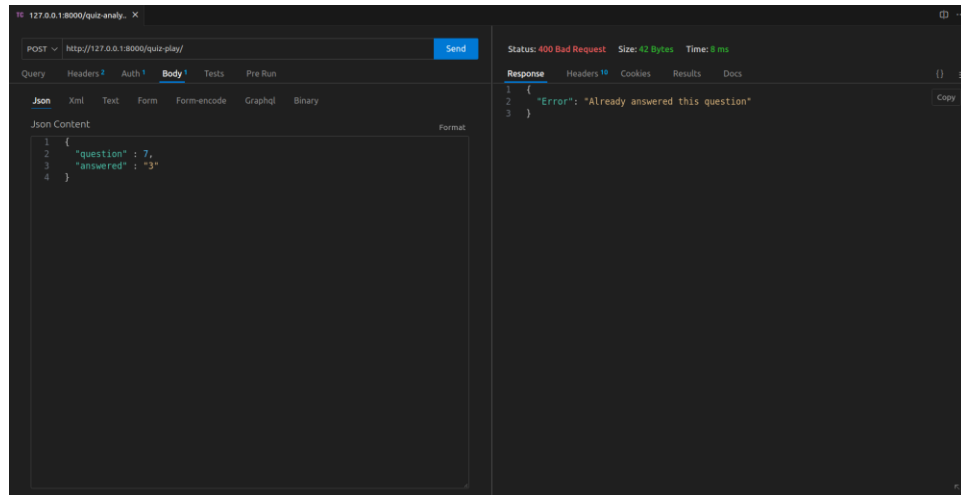




## QUIZ TAKING

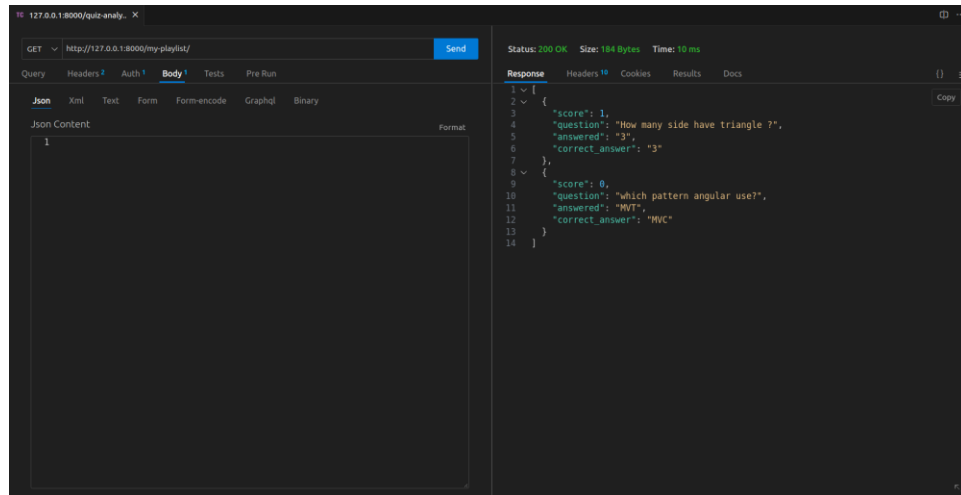
Users should be able to take quizzes. Each quiz should have a set of questions with multiple choices, and the user should be able to select their answer. After the user has completed the quiz, the system should display their score.





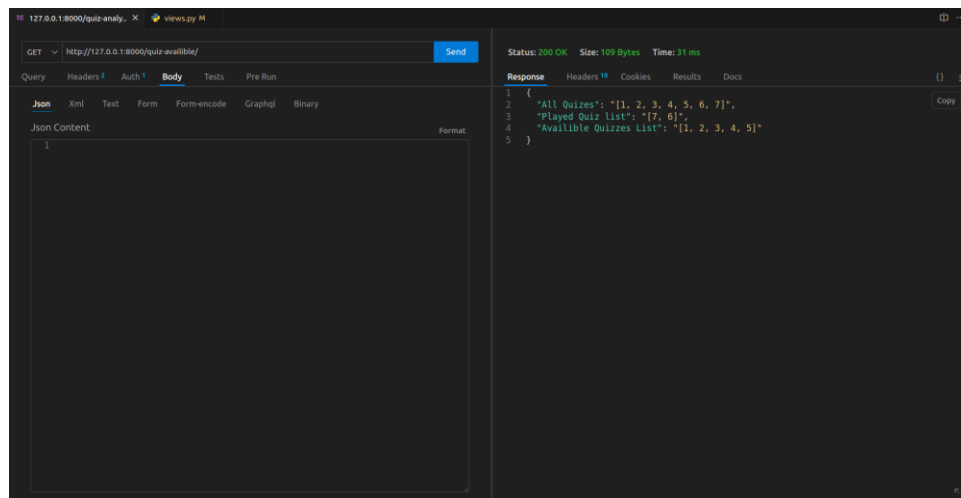
## QUIZ RESULT

Users should be able to view their quiz results. The system should display the user's score for each quiz they have taken



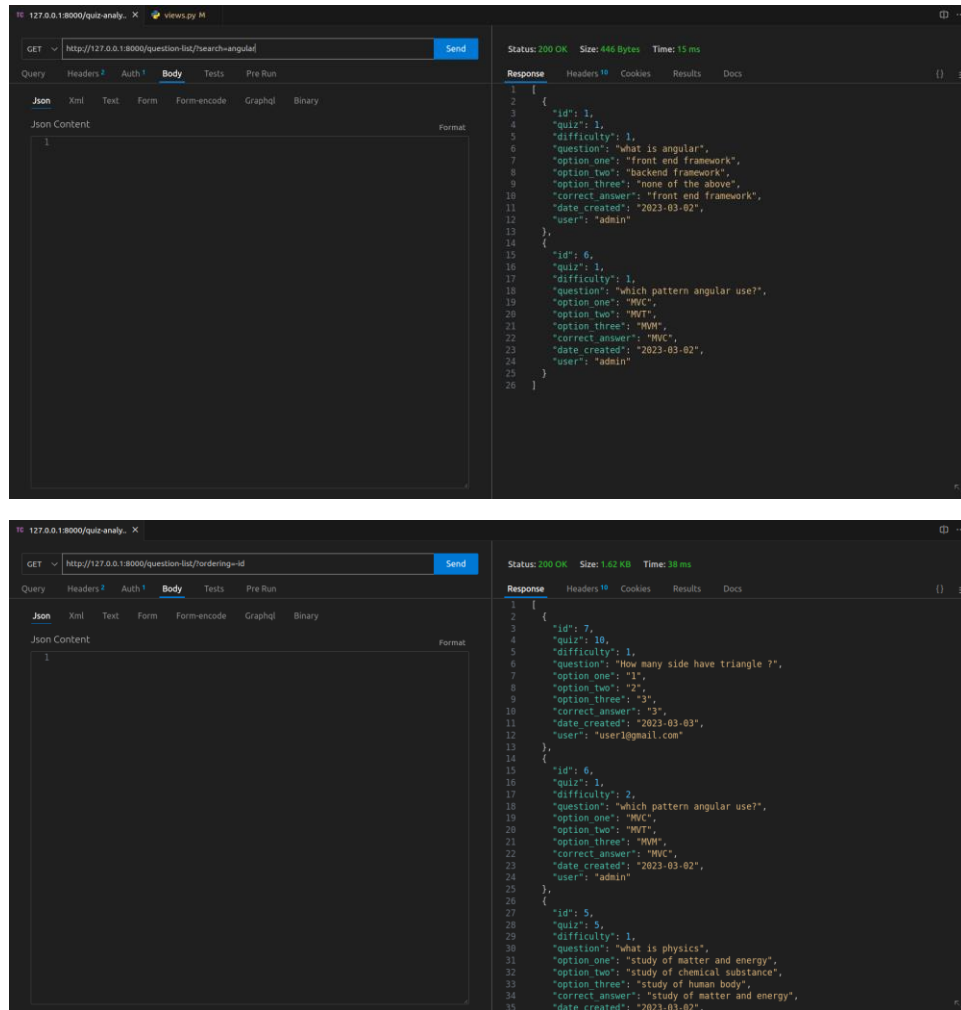
## QUIZ LISTING

The system should display a list of available quizzes that users can take



## QUIZ FILTERING

Users should be able to filter quizzes by topic, difficulty level, and date created



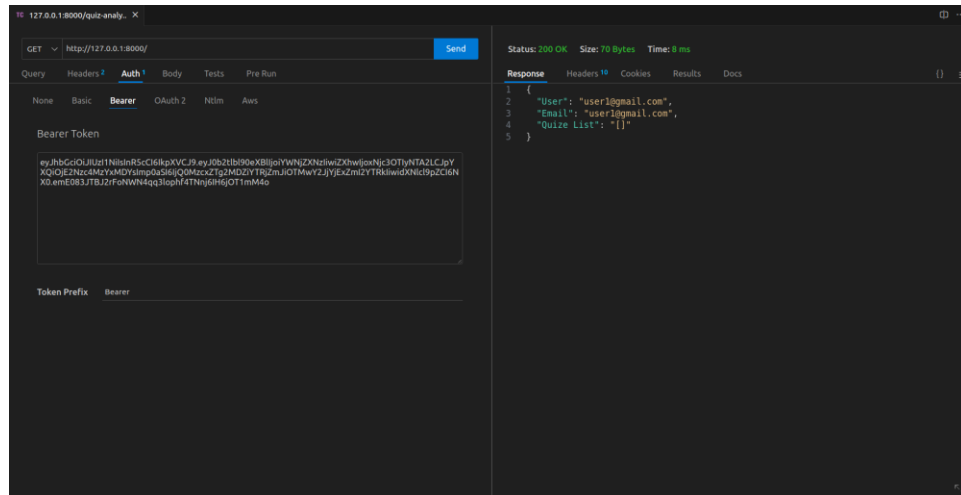
## QUIZ ANALYSIS

The system should display analytics on each quiz, such as the average score, the number of times the quiz has been taken, and the percentage of users who have passed the quiz

- **User Profile**

→ Users should be able to view their profile, which should display their username, email, and a list of quizzes they have created



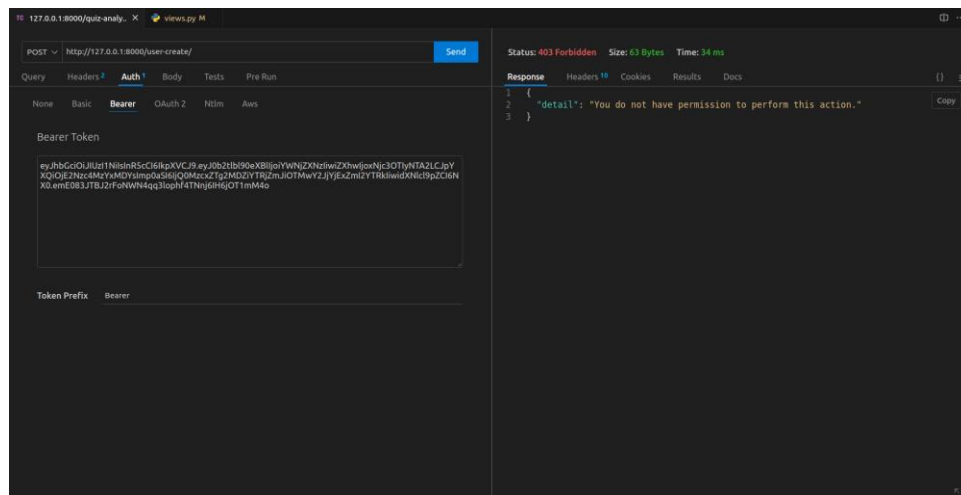


## USER MANAGEMENT

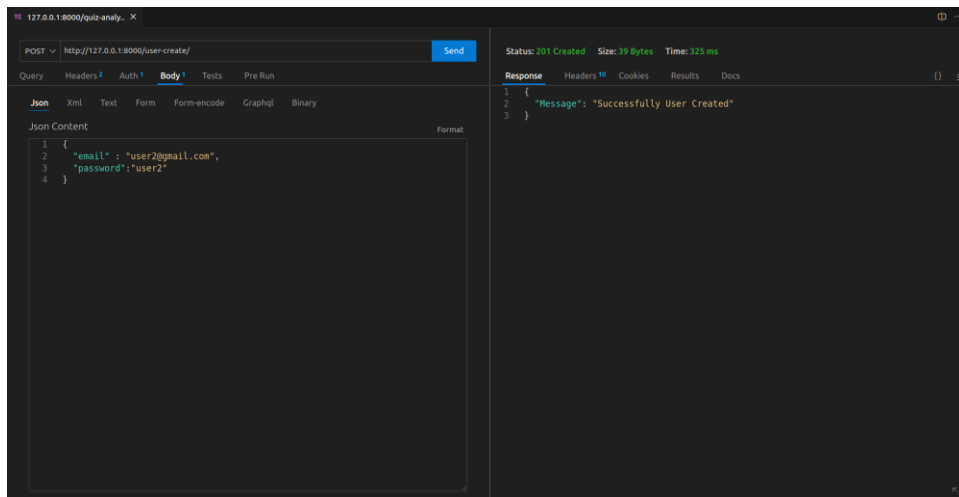
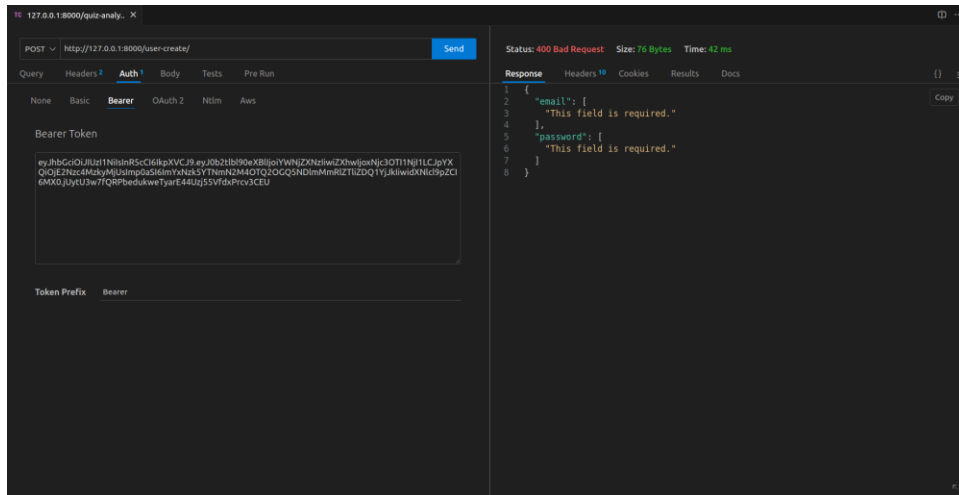
Admin users should be able to manage users, including creating, editing, and deleting user accounts

- **User Creation**

→ Only admin user has permission to create the user

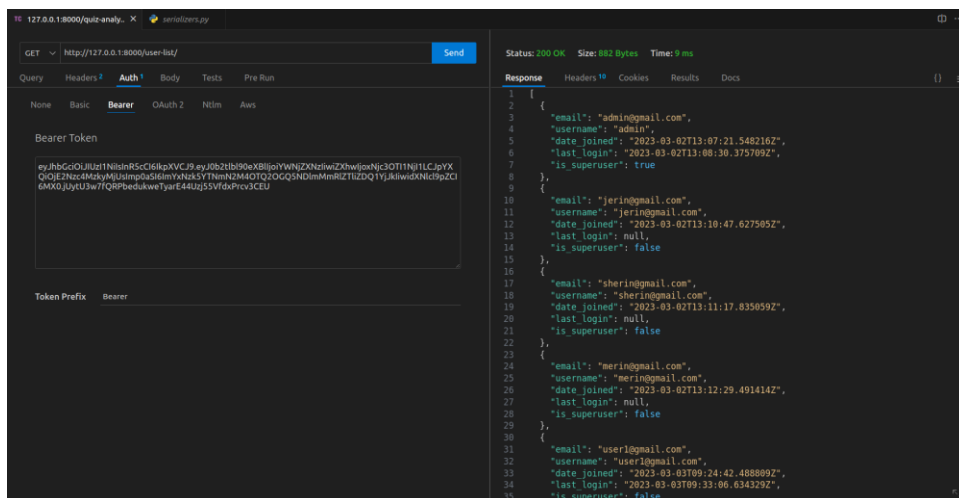


→ To access this page, admin is to generate token and copy the access token and paste in bearer token space, now the admin user can access the page to create a user



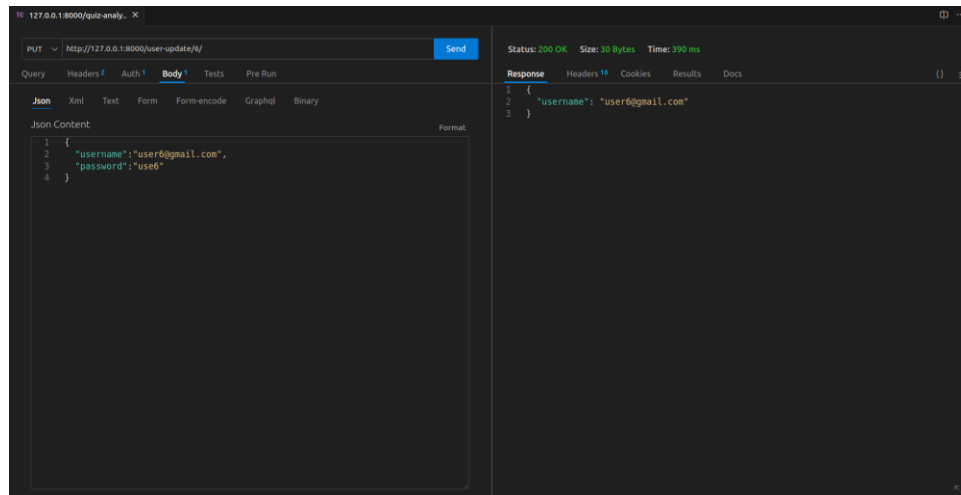
## • User List

→ It will show the list of all the user they are registered



- **Edit User**

→ Only the admin has permission to edit the user



- **Delete User**

→ Only the admin has permission to edit the user

