# # ChatGPT API Integration Documentation

#### ## Introduction

This guide is designed for testers to setup the integration of the ChatGPT API into the Laravel project. It covers the testing process for user authentication using Laravel Sanctum and the integration of the ChatGPT API for generating responses.

Certainly! If you have cloned a Laravel project from a Git repository and need to set up the testing environment, here are the steps you should follow:

# ### Prerequisites

- 1. \*\*Git Clone:\*\*
  - Clone the Laravel project repository to your local machine.
- 2. \*\*Composer Install:\*\*
  - Install the project dependencies using Composer.

## composer install

## ### Configuration

- 3. \*\*Environment File:\*\*
  - Copy the `.env.example` file to create a new `.env` file.

#### cp .env.example .env

- Update the `.env` file with your database and other configuration details.

## php artisan key:generate

This command generates an application key used for encryption.

- 4. \*\*Database Migration:\*\*
  - Run the database migrations to create the necessary tables.

## php artisan migrate

#### ### ChatGPT API Integration

- 6. \*\*ChatGPT API Key:\*\*
  - Obtain the ChatGPT API key from the [ChatGPT API website](https://chat.openai.com/).
  - Update ChatGPT API key in Authcontroller in Api folder

## ### Running the Project

- 7. \*\*Serve the Application:\*\*
  - Start the Laravel development server.

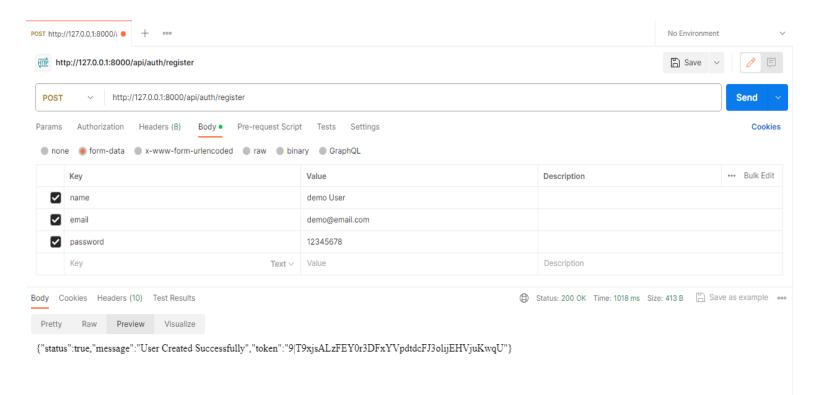
## php artisan serve

This command will start the development server, and you can access the application in your web browser at `http://localhost:8000` (or a different port if specified).

# ## Testing User Authentication

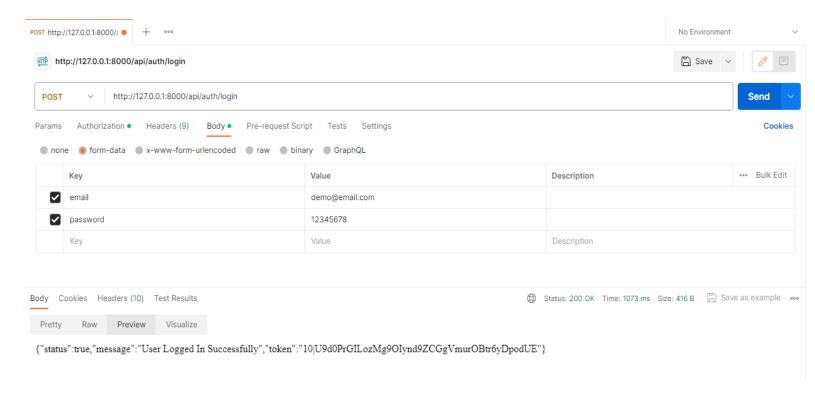
We will use Postman tools to check all api.

- 1. \*\*Create User:\*\*
  - http://127.0.0.1:8000/api/auth/register
  - input data (name,email, password)
  - post request



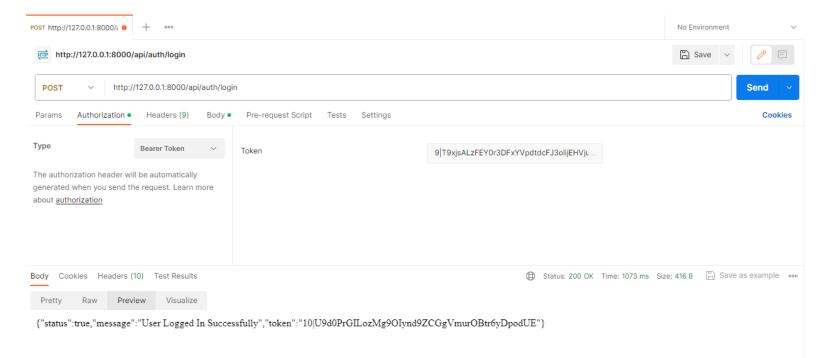
## 2. \*\*Login Test:\*\*

- http://127.0.0.1:8000/api/auth/login
- Log in with valid credentials (email, password).
- post request



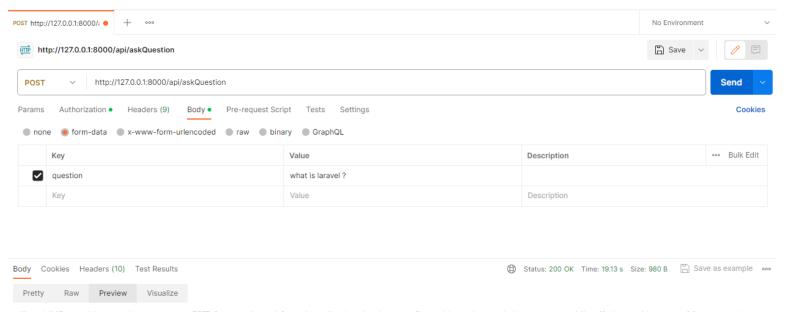
#### 3. \*\*make environment authorise:\*\*

- copy token after valid login.
- In authorization tab set type "Bearer Token" and paste that token into input field.



## 4. \*\*ask to chatgpt:\*\*

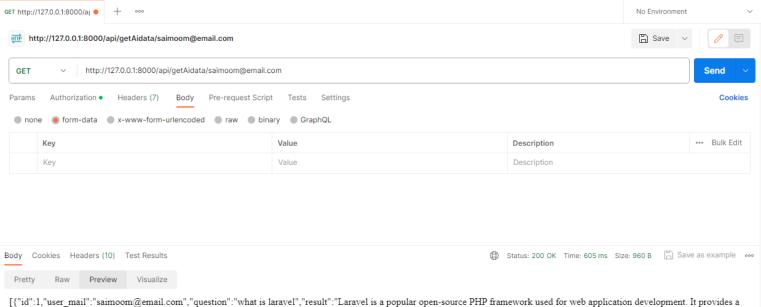
- http://127.0.0.1:8000/api/askQuestion
- ask a question and submit
- post request.



{"result":"Laravel is a popular open-source PHP framework used for web application development. It provides a clean and elegant syntax while offering a wide range of features and functionalities that help developers build robust and scalable web applications. Laravel follows the Model-View-Controller (MVC) architectural pattern, making it easy to separate the business logic from the presentation layer. It also includes features such as routing, caching, database migrations, authentication, and much more, which makes the development process faster and more efficient. Laravel has a strong and supportive community and is widely used in the PHP development ecosystem."}

#### 5. \*\*Fetch data associated with email\*\*

- http://127.0.0.1:8000/api/getAidata/saimoom@email.com
- replace your email in URL accordingly
- get request.



[{"id":1,"user\_mail": saimoom@email.com", "question": what is laravel", result ""Laravel is a popular open-source PHP tramework used for web application development. It provides a clean and elegant syntax while also offering a variety of tools and features that make development tasks easier. Laravel follows the Model-View-Controller (MVC) architectural pattern and includes features like routing, database management, authentication, caching, and more. It also has a vibrant community and extensive documentation, making it a preferred choice for many developers.", "created\_at": "2023-11-10T19:40:35.000000Z", "updated\_at": "2023-11-10T19:40:35.000000Z"}]