

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

The screenshot shows a Postman interface for a POST request to `http://127.0.0.1:8000/api/auth/register`. The request is configured with form-data. The response is a 200 OK status with a response time of 1018 ms and a size of 413 B. The response body is a JSON object: `{"status":true,"message":"User Created Successfully","token":"9/T9xjsALzFEY0r3DFxYVpdtcdFJ3olijEHVjuKwqU"}`.

Key	Value	Description
<input checked="" type="checkbox"/> name	demo User	
<input checked="" type="checkbox"/> email	demo@email.com	
<input checked="" type="checkbox"/> password	12345678	

Body: `{"status":true,"message":"User Created Successfully","token":"9/T9xjsALzFEY0r3DFxYVpdtcdFJ3olijEHVjuKwqU"}`

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

POST http://127.0.0.1:8000/

No Environment

HTTP

http://127.0.0.1:8000/api/auth/login

Save

POST

http://127.0.0.1:8000/api/auth/login

Send

Params

Authorization

Headers (9)

Body

Pre-request Script

Tests

Settings

Cookies

none

form-data

x-www-form-urlencoded

raw

binary

GraphQL

	Key	Value	Description	...	Bulk Edit
<input checked="" type="checkbox"/>	email	demo@email.com			
<input checked="" type="checkbox"/>	password	12345678			
	Key	Value	Description		

Body

Cookies

Headers (10)

Test Results

Status: 200 OK

Time: 1073 ms

Size: 416 B

Save as example

Pretty

Raw

Preview

Visualize

{

"status":true,"message":"User Logged In Successfully","token":"10|U9d0PrGILozMg9OIynd9ZCGgVmurOBtr6yDpodUE"}

}

3. ****make environment authorise:****
- copy token after valid login.
 - In authorization tab set type “Bearer Token” and paste that token into input field.

POST http://127.0.0.1:8000/

No Environment

HTTP

http://127.0.0.1:8000/api/auth/login

Save

POST

http://127.0.0.1:8000/api/auth/login

Send

Params

Authorization

Headers (9)

Body

Pre-request Script

Tests

Settings

Cookies

Type

Bearer Token

Token

9|T9xjsALzFEY0r3DFxYVpdtdeFJ3olijEHVjl...

The authorization header will be automatically generated when you send the request. [Learn more about authorization](#)

Body

Cookies

Headers (10)

Test Results

Status: 200 OK

Time: 1073 ms

Size: 416 B

Save as example

Pretty

Raw

Preview

Visualize

{

"status":true,"message":"User Logged In Successfully","token":"10|U9d0PrGILozMg9OIynd9ZCGgVmurOBtr6yDpodUE"}

}

4. ****ask to chatgpt:****

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

POSThttp://127.0.0.1:8000/i

No Environment

http://127.0.0.1:8000/api/askQuestion

Save

POST

http://127.0.0.1:8000/api/askQuestion

Send

Params

Authorization

Headers (9)

Body

Pre-request Script

Tests

Settings

Cookies

none

form-data

x-www-form-urlencoded

raw

binary

GraphQL

	Key	Value	Description	...	Bulk Edit
<input checked="" type="checkbox"/>	question	what is laravel ?			
	Key	Value	Description		

Body

Cookies

Headers (10)

Test Results

Status: 200 OK

Time: 19.13 s

Size: 980 B

Save as example

Pretty

Raw

Preview

Visualize

{

"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.

GEThttp://127.0.0.1:8000/api

No Environment

http://127.0.0.1:8000/api/getAidata/saimoom@email.com

Save

GET

http://127.0.0.1:8000/api/getAidata/saimoom@email.com

Send

Params

Authorization

Headers (7)

Body

Pre-request Script

Tests

Settings

Cookies

none

form-data

x-www-form-urlencoded

raw

binary

GraphQL

	Key	Value	Description	...	Bulk Edit
	Key	Value	Description		

Body

Cookies

Headers (10)

Test Results

Status: 200 OK

Time: 605 ms

Size: 960 B

Save as example

Pretty

Raw

Preview

Visualize

[{"id":1,"user_mail":"saimoom@email.com","question":"what is laravel","result":"Laravel is a popular open-source PHP framework 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"}]