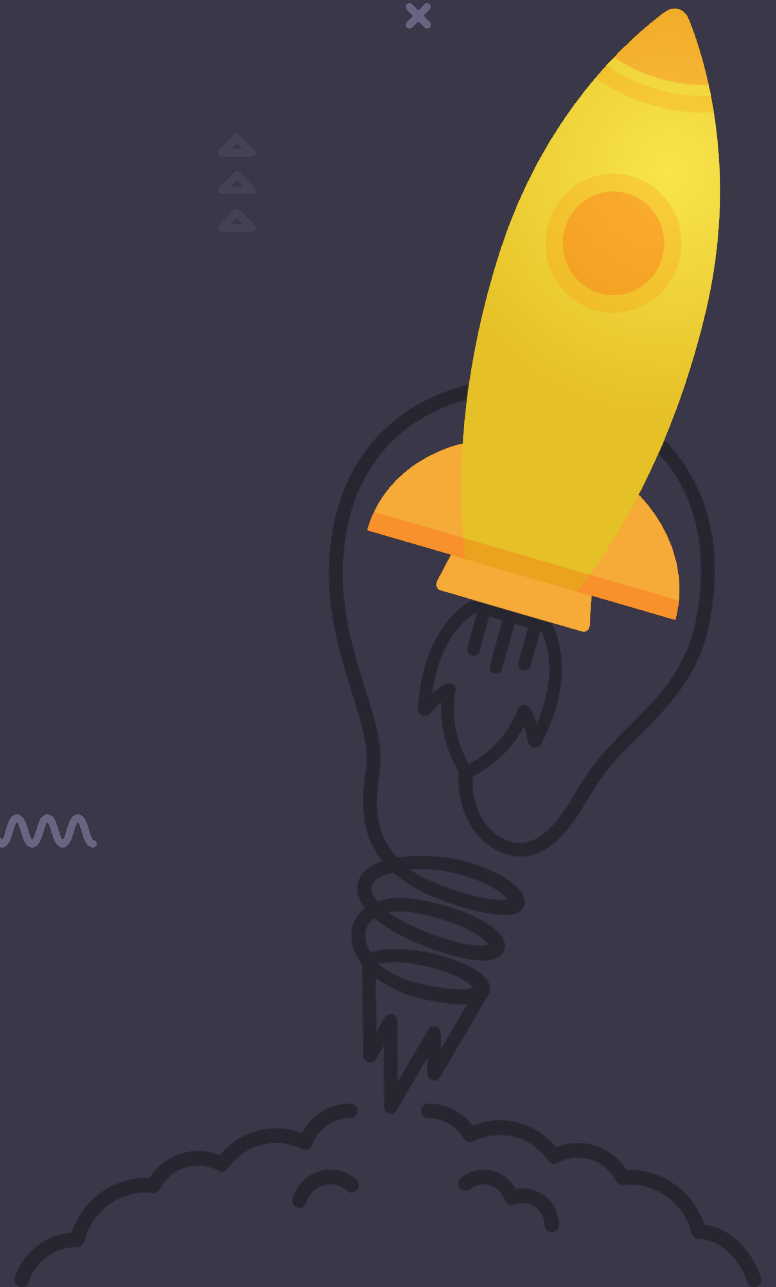
BRACKETS

Supercharge Your Software Development:

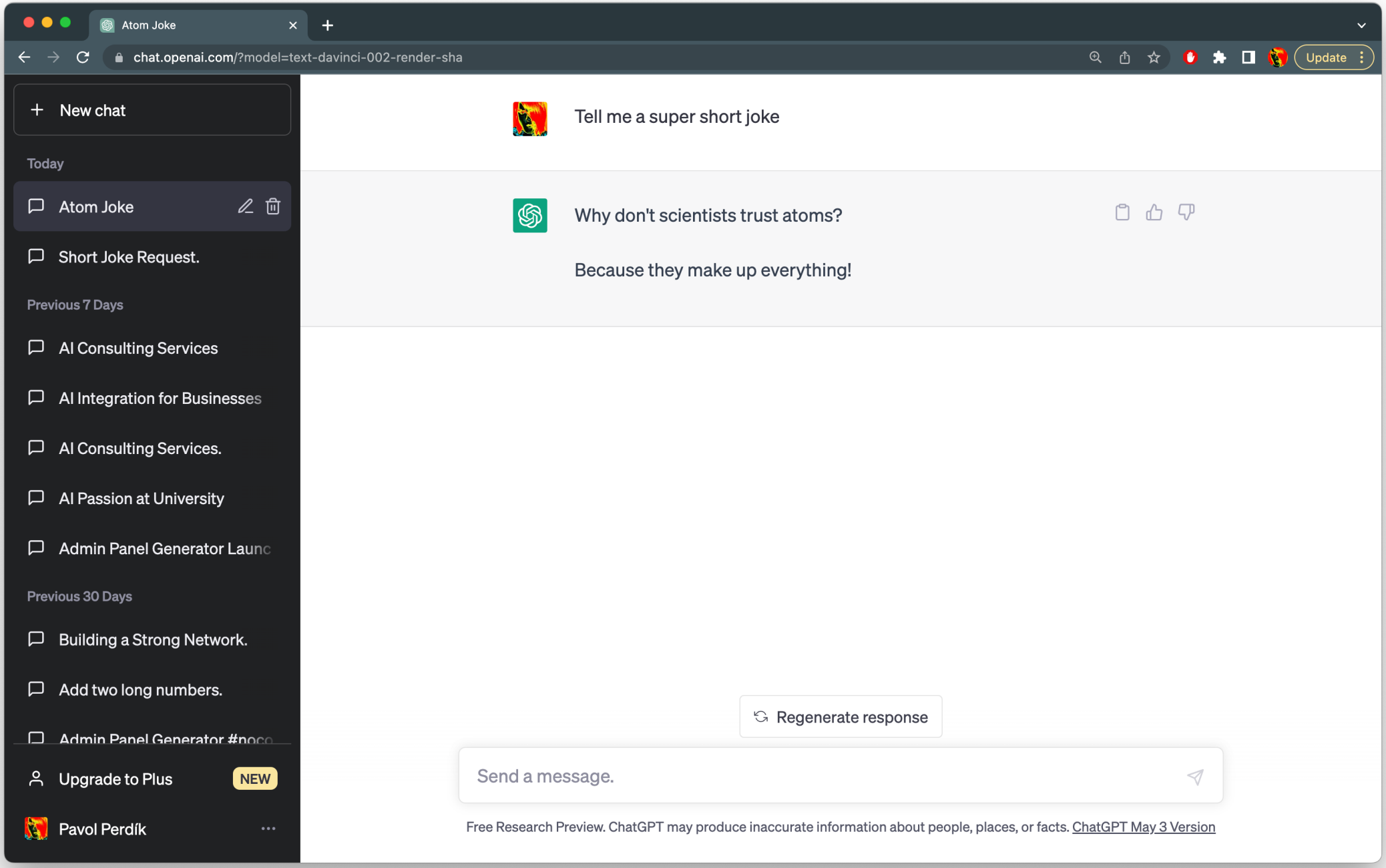
How AI Can Augment Your Workflow

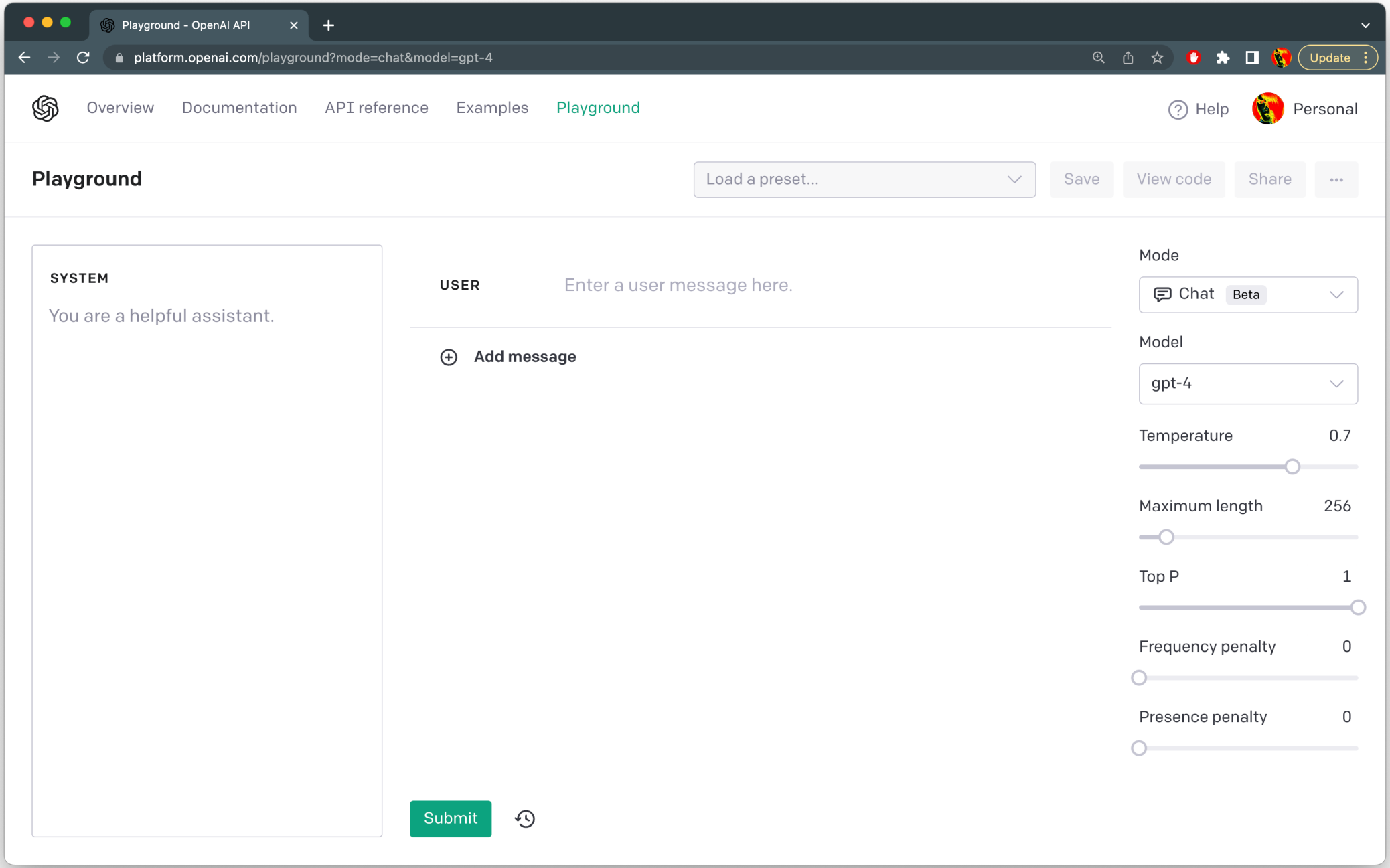
Pavol Perdik, CEO

pavol.perdik@brackets.sk



OpenAI


Atom Joke
chat.openai.com/?model=text-davinci-002-render-sha
Update
New chat
Today
Atom Joke
Short Joke Request.
Previous 7 Days
AI Consulting Services
AI Integration for Businesses
AI Consulting Services.
AI Passion at University
Admin Panel Generator Launc
Previous 30 Days
Building a Strong Network.
Add two long numbers.
Admin Panel Generator #noco
Upgrade to Plus
NEW
Pavol Perdík
Tell me a super short joke
Why don't scientists trust atoms?
Because they make up everything!
Regenerate response
Send a message.
Free Research Preview. ChatGPT may produce inaccurate information about people, places, or facts. ChatGPT May 3 Version


Playground - OpenAI API
platform.openai.com/playground?mode=chat&model=gpt-4
Update
Overview
Documentation
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Examples
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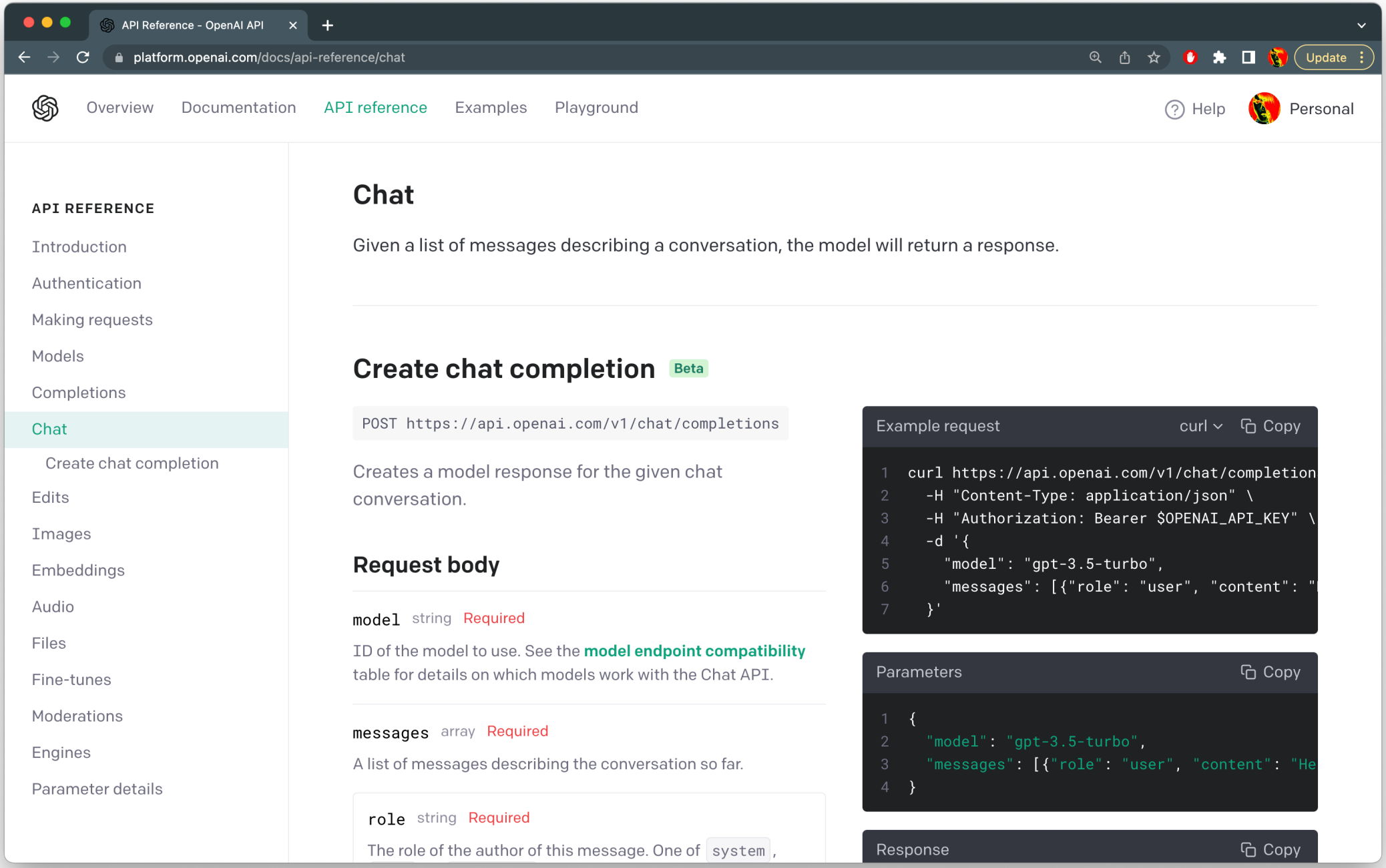
Help
Personal
Playground
Load a preset...
Save
View code
Share
SYSTEM
You are a helpful assistant.
USER
Enter a user message here.
Add message
Submit
Mode
Chat
Beta
Model
gpt-4
Temperature
0.7
Maximum length
256
Top P
1
Frequency penalty
0
Presence penalty
0


API Reference - OpenAI API
platform.openai.com/docs/api-reference/chat
Update
Overview
Documentation
API reference
Examples
Playground
Help
Personal
API REFERENCE
Introduction
Authentication
Making requests
Models
Completions
Chat
Create chat completion
Edits
Images
Embeddings
Audio
Files
Fine-tunes
Moderations
Engines
Parameter details
Chat
Given a list of messages describing a conversation, the model will return a response.
Create chat completion
Beta
POST https://api.openai.com/v1/chat/completions
Creates a model response for the given chat conversation.
Request body
model string Required
ID of the model to use. See the model endpoint compatibility table for details on which models work with the Chat API.
messages array Required
A list of messages describing the conversation so far.
role string Required
The role of the author of this message. One of system ,
Example request
curl
Copy
curl https://api.openai.com/v1/chat/completion
-H "Content-Type: application/json" \
-H "Authorization: Bearer $OPENAI_API_KEY" \
-d '{
"model": "gpt-3.5-turbo",
"messages": [{"role": "user", "content": "
}'
Parameters
Copy
{
"model": "gpt-3.5-turbo",
"messages": [{"role": "user", "content": "He
}
Response
Copy

How to use OpenAI API?

Why should I care?

Key concepts.

- Prompts
  - System vs User
- Tokens
- Models
  - GPT-4 latest, most powerfull

Live playground

vim playground/index.php

```php
<?php

$client = OpenAI::client('YOUR_API_TOKEN');

$result = $client->completions()->create([
    'model' => 'davinci',
    'prompt' => 'PHP is',
]);

dd($result['choices'][0]['text']);
// an open-source, widely-used, server-side scripting language.
~
-- INSERT --
```

OpenAI API

Overview

Chat Beta

Learn how to use chat-based language models

Text completion

Learn how to generate or edit text

Embeddings

Learn how to search, classify, and compare text

Speech to text Beta

Learn how to turn audio into text

Image generation Beta

Learn how to generate or edit images

Fine-tuning

Learn how to train a model for your use case

Must-know Concepts.

Chain of thoughts.

Standard Prompting

Input

Q: Roger has 5 tennis balls. He buys 2 more cans of tennis balls. Each can has 3 tennis balls. How many tennis balls does he have now?

A: The answer is 11.

Q: The cafeteria had 23 apples. If they used 20 to make lunch and bought 6 more, how many apples do they have?

Model Output

A: The answer is 27. ✗

Chain of Thought Prompting

Input

Q: Roger has 5 tennis balls. He buys 2 more cans of tennis balls. Each can has 3 tennis balls. How many tennis balls does he have now?

A: Roger started with 5 balls. 2 cans of 3 tennis balls each is 6 tennis balls. 5 + 6 = 11. The answer is 11.

Q: The cafeteria had 23 apples. If they used 20 to make lunch and bought 6 more, how many apples do they have?

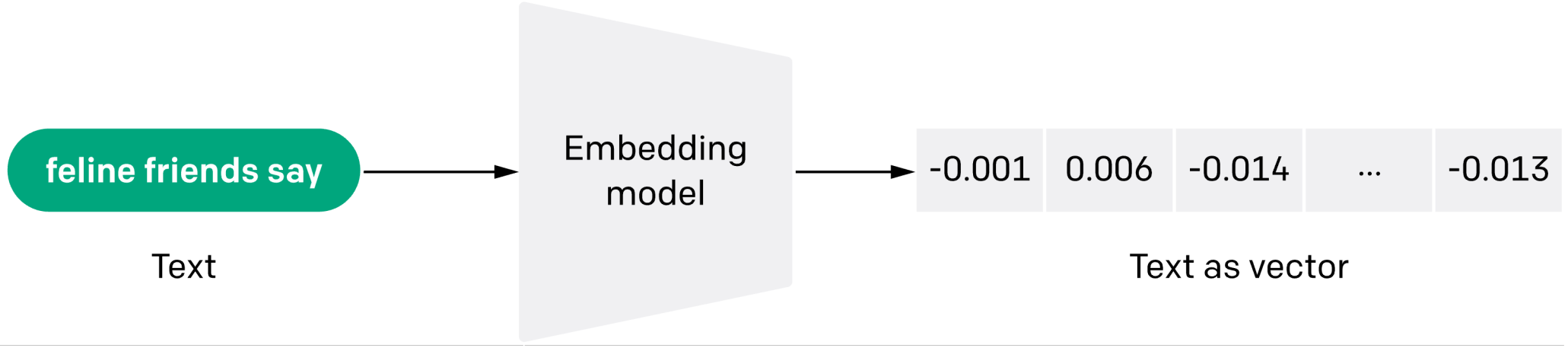
Model Output

A: The cafeteria had 23 apples originally. They used 20 to make lunch. So they had 23 - 20 = 3. They bought 6 more apples, so they have 3 + 6 = 9. The answer is 9. ✓

Context injection.

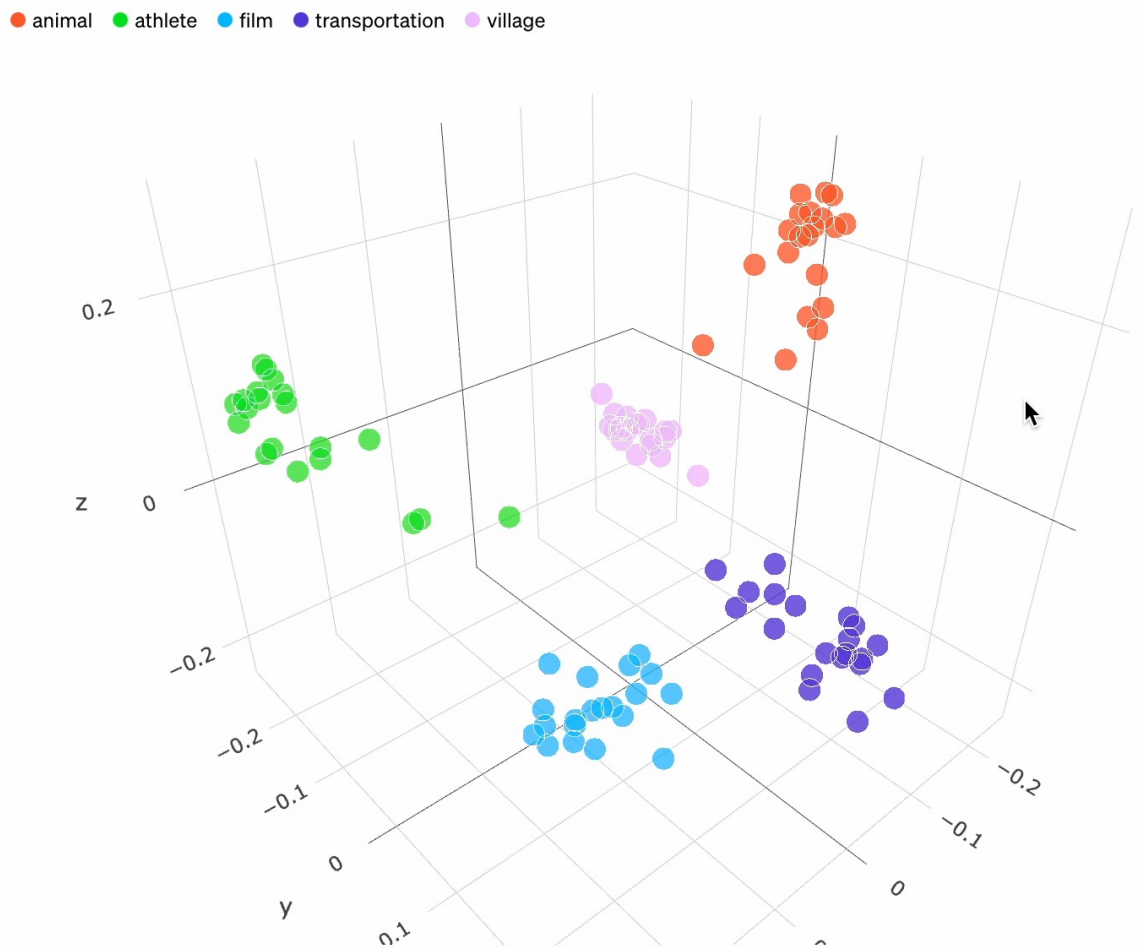
Live playground

Embeddings.


feline friends say
Text
Embedding model
-0.001
0.006
-0.014
...
-0.013
Text as vector

When to use embeddings?

- Semantic search
- Classification
- Recommendations
- Comparison



Craftable PRO

Craftable PRO

- Dashboard

CONTENT

- Articles
- Media

SYSTEM

- Access
- Roles
- Localization
- Settings

Dashboard

This is just a dummy example of a Dashboard page

Export | New order

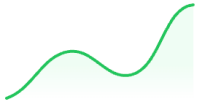
12 months | 30 days | 7 days | 24 hours

Select dates | Filters

Total customers

2,420

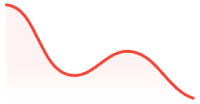
↑ 40% vs last month



Members

1,210

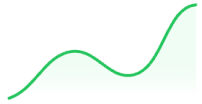
↓ 10% vs last month



Active now

316

↑ 20% vs last month



Vendor list

5 Vendors

Keep track of vendor and their orders.

Import | New order

ID	Vendor	Rating	Last order	Status
1	CA Catalog AI catalogai.app	50% ↑ 12%	21.12.2022 11:24	Pending
2	S Sherpa sherpa.com	90% ↑ 8%	21.12.2022 11:24	Active
3	C Circles getcircles.com	10% ↓ -3%	21.12.2022 11:24	Inactive
4	C Coowork coowork.de	60% ↑ 4%	21.12.2022 11:24	Active

Craftable PRO

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- Settings

Users

Invite user

Search

Filters

ID	User	Role	Status	Last active	
1	Ava Volkman onie.boyer@lehner.com	Administrator	Active	Never	
2	Katrina Hansen hilpert.lori@gmail.com	Guest	Inactive	Never	
3	Laury Upton wava78@daugherty.com	Guest	Active	Never	
4	MK Marcelo Kerluke lowe.casimir@anderson.com	Guest	Active	07.03.2023 11:21	
5	LP Laron Pollich leila.streich@yahoo.com	Guest	Pending	Resend invitation	
6	FM Ferne Metz kathleen77@borer.biz	Editor	Active	Never	
7	LK Loyal Koch welch.jeanette@yahoo.com	Administrator	Active	Never	
8	TY Tressie Yundt roslyn39@gmail.com	Guest	Pending	Resend invitation	

Craftable PRO

- Dashboard

CONTENT

- Articles
- Media

SYSTEM

- Access
- Roles
- Localization
- Settings

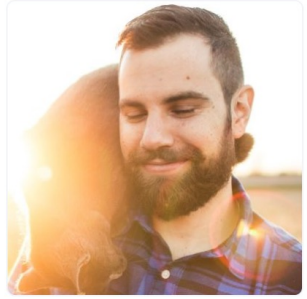
Media

+ Upload media

All | Images | Files

Filters

Ava Volkman
22.39 KB



Katrina Hansen
17.9 KB

Laury Upton
28.63 KB

TXT

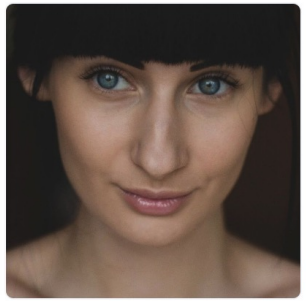
An important text file
11 Bytes

Lavada Kuvalis
92.44 KB

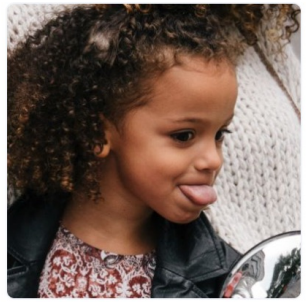
Kellie Wisozk
100.59 KB

Keegan Reichel
88.08 KB

Birdie Olson
81.19 KB



Dino Boehm
45.21 KB



400.jpeg
32.02 KB

Introduction
Getting Started
Installation
Directory Structure
Configuration
InertiaJS Configuration
Vite Configuration
Basic Features
Users
Translations
Roles & Permissions
Settings
Media
CRUD Generator
Frontend Assets
Components
Customization

Installation

Craftable PRO is a package for Laravel that can be installed on any existing Laravel 9+ project. If you're starting a new project, install Laravel first - please follow steps in the official Laravel documentation.

1 Buy license

You can buy a license on our Craftable PRO website. Afterwards, you will receive an email with a license key which you will need to continue with the installation.

2 Register the repository

After obtaining a valid Craftable PRO license you need to add our private repository to your composer.json:

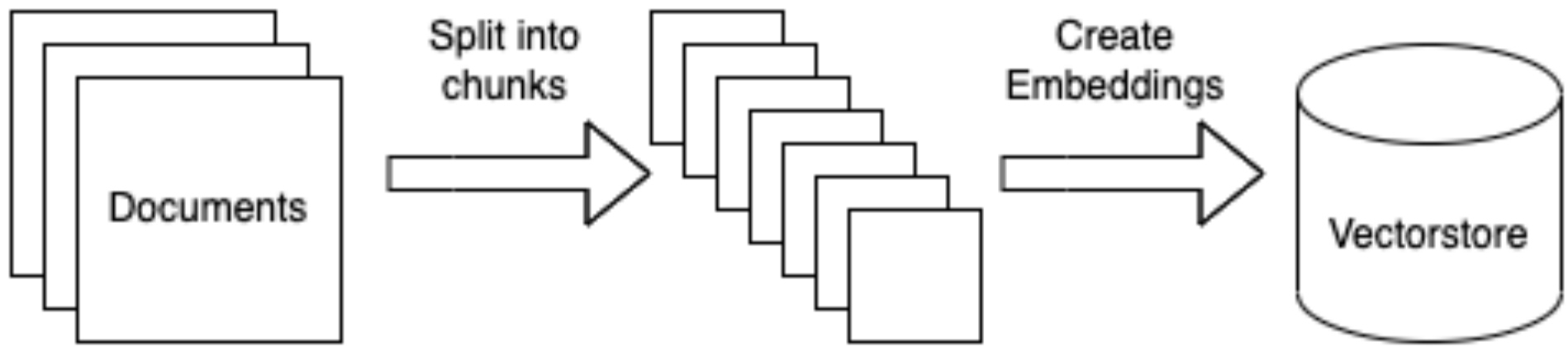
```
composer config repositories.craftable-pro composer https://packages.craftable.pro/
```

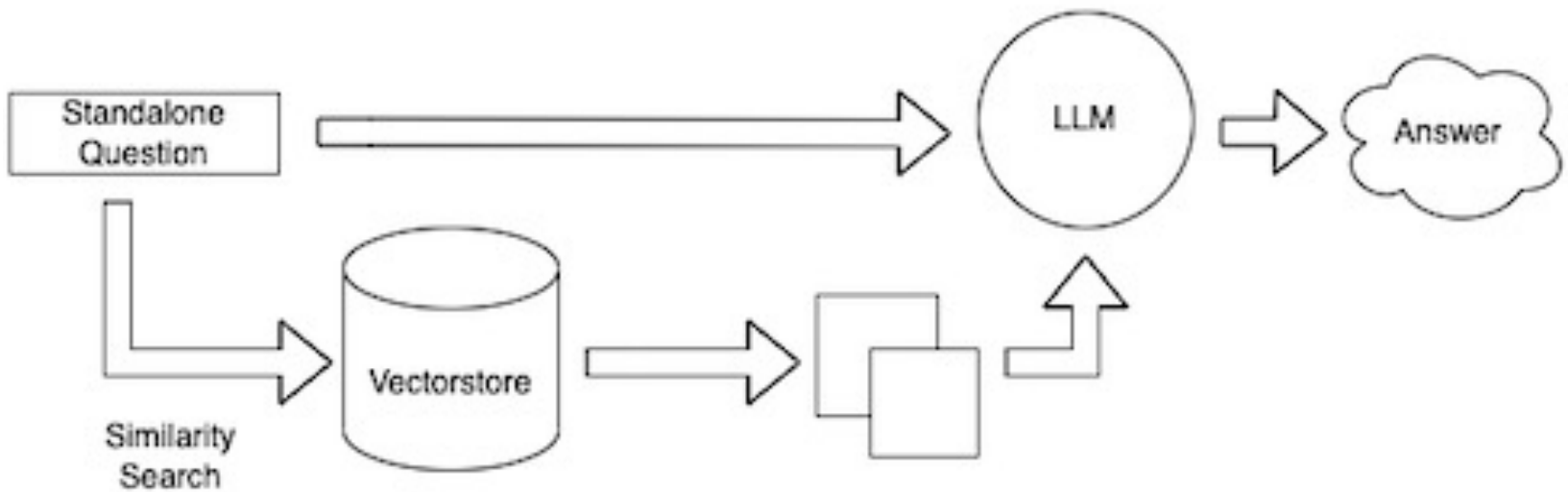
3 Add the package

On This Page
Buy license
Register the repository
Add the package
Install the package
Build frontend assets
Test your installation

Question? Give us feedback →
Edit this page

Embeddings + Context injection


Documents
Split into chunks
Create Embeddings
Vectorstore


Standalone Question
LLM
Answer
Vectorstore
Similarity Search

Live chatbase.co

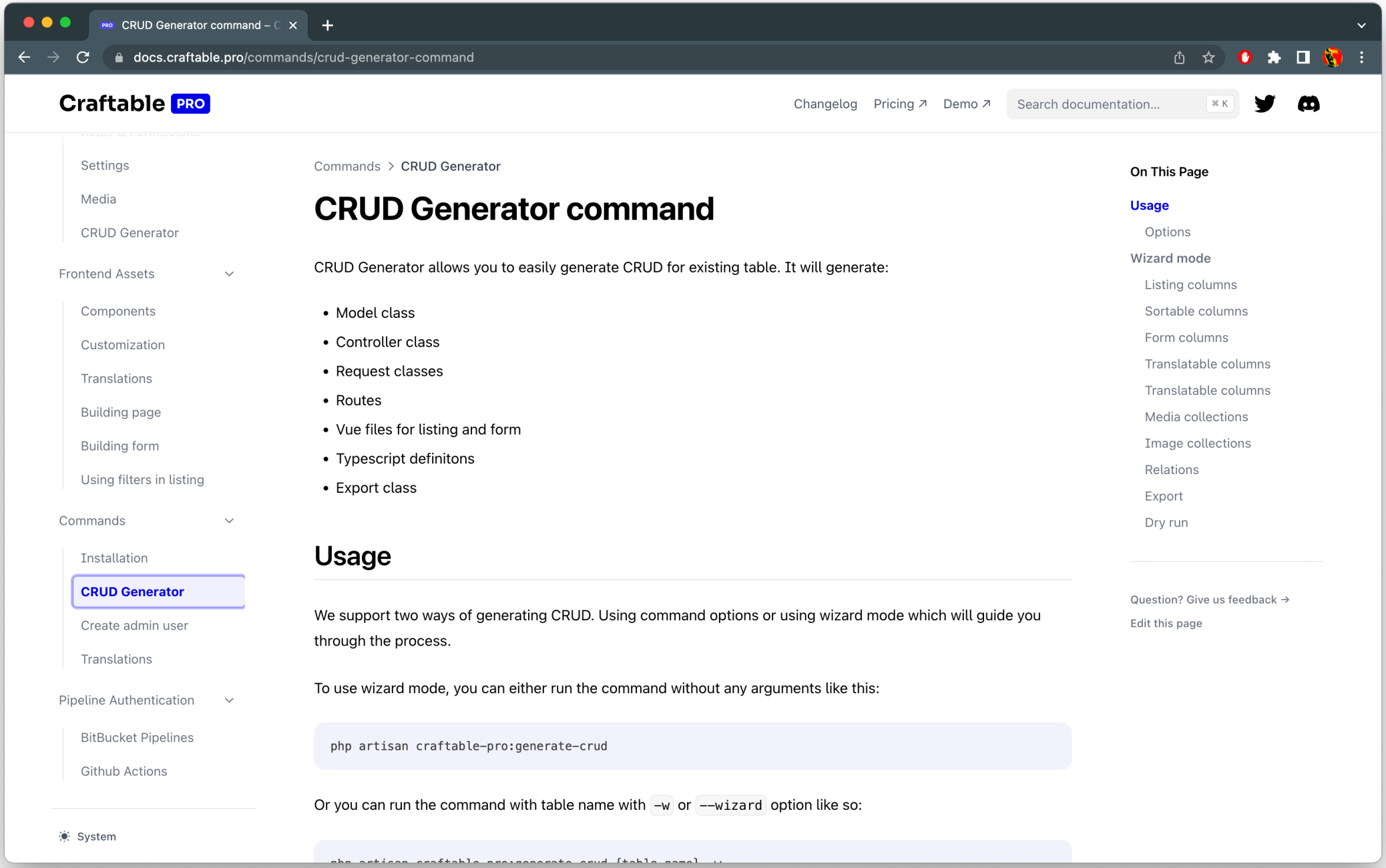
Tooling.

Tooling.

- Copilot – suggest code in your IDE
- ChatGPT plugins
  - *"...tools designed ... to help ChatGPT access up-to-date information, run computations, or use third-party services."*
- Copilot X
  - *"GitHub Copilot is evolving to bring chat and voice interfaces, support pull requests, answer questions on docs, and adopt OpenAI's GPT-4 for a more personalized developer experience."*

```
Downloads %
Downloads % ?? use ffmpeg to add a watermark to input.mp4

──────────── Command ────────────

ffmpeg -i input.mp4 -i watermark.png -filter_complex "overlay=10:10" output.mp4

──────────── Explanation ────────────

○ ffmpeg is used to process video and audio files.
  ◆ -i input.mp4 specifies the input file.
  ◆ -i watermark.png specifies the input file.
  ◆ -filter_complex "overlay=10:10" specifies the filter to apply.
    ◇ overlay=10:10 specifies that we want to overlay the second input file at position (10, 10).
  ◆ output.mp4 specifies the output file.

› ✅ Run this command
  📝 Revise query
  ❌ Cancel
```

Empowering Craftable PRO code generator with GPT-4


CRUD Generator command – C
docs.craftable.pro/commands/crud-generator-command
Craftable PRO
Changelog
Pricing ↗
Demo ↗
Search documentation...
⌘ K
Settings
Media
CRUD Generator
Frontend Assets
Components
Customization
Translations
Building page
Building form
Using filters in listing
Commands
Installation
CRUD Generator
Create admin user
Translations
Pipeline Authentication
BitBucket Pipelines
Github Actions
System
Commands > CRUD Generator
CRUD Generator command
CRUD Generator allows you to easily generate CRUD for existing table. It will generate:
Model class
Controller class
Request classes
Routes
Vue files for listing and form
Typescript definitons
Export class
Usage
We support two ways of generating CRUD. Using command options or using wizard mode which will guide you through the process.
To use wizard mode, you can either run the command without any arguments like this:
php artisan craftable-pro:generate-crud
Or you can run the command with table name with -w or --wizard option like so:
On This Page
Usage
Options
Wizard mode
Listing columns
Sortable columns
Form columns
Translatable columns
Translatable columns
Media collections
Image collections
Relations
Export
Dry run
Question? Give us feedback →
Edit this page

Playground

Load a preset... Save View code Share ...

SYSTEM

Your name is CraftablePRO and you are the Laravel CRUD admin command generator that supercharges web developers work with AI, so they can do the work much quicker. User is going to provide a prompt with a description of the backoffice system. You have to identify all needed models and generate all commands needed. Strictly follow provided documentation and examples.

Documentation:
Example usage:
```

craftable-pro:generate-crud posts --listing-columns=title,perex --form-columns=title,perex,body --sortable-

USER Enter a user message here.

Add message

Submit

Mode

Chat Beta

Model

gpt-4

Temperature 0

Maximum length 256

Top P 1

Frequency penalty 0

Presence penalty 0
```

Craft ai

About

Create Beautiful Admin Panel in 5 Minutes #nocode

1 Enter your prompt → 2 Email verification → 3 Environment creation

Start with the prompt or use examples below

Enter your prompt here. Focus on describing data entities and relations between them.

Not sure how to write a good prompt for CraftAI? Check our examples for inspiration: Help

Blog platform CMS | Library management system | LEGO collection backoffice

Prompt engineering.

Andrej Karpathy
@karpathy

The hottest new programming language is English

9:14 PM · Jan 24, 2023 · **2.3M** Views

Why should I care?

AI is not going to replace people..

People using AI are going to replace people not using AI

🔥 What's next? 🔥

- Agents
  - AutoGPT, BabyAGI
- Vector databases
  - Pinecone
- ImageBind - MultiModal Embedding
- GPT-5?
- Future of the Internet & Regulations?
  - Disinformation, spam, copyright

Angry Tom
@AngryTomtweets

AutoGPT is taking the internet by storm

It's the greatest AI you've seen yet

Here are 8 threads that prove how powerful it is:

12:03 PM · Apr 28, 2023 · **1.6M** Views

Inovations.
Delivered.