

Multiagent Video Processing using CrewAI

We all have things in our basement that are useless for us but useful for others. The big problem is that we don't have time to take pictures, write descriptions, and upload them to the eBay Kleinanzeigen app. With my program, you can simply talk about the product you want to sell. Then, you upload the video to my Streamlit UI. The AI agents will generate a relevant description of the product mentioned in the video — including the price, condition, suitable age group, and related images.

Features

Extract Audi from the Video

Extrac farne (Frame interval =60)

Uses Whisper for transcription(model="whisper-1") you need openai key for that

GPT-4 structured text generation (gpt-4o-mini model)

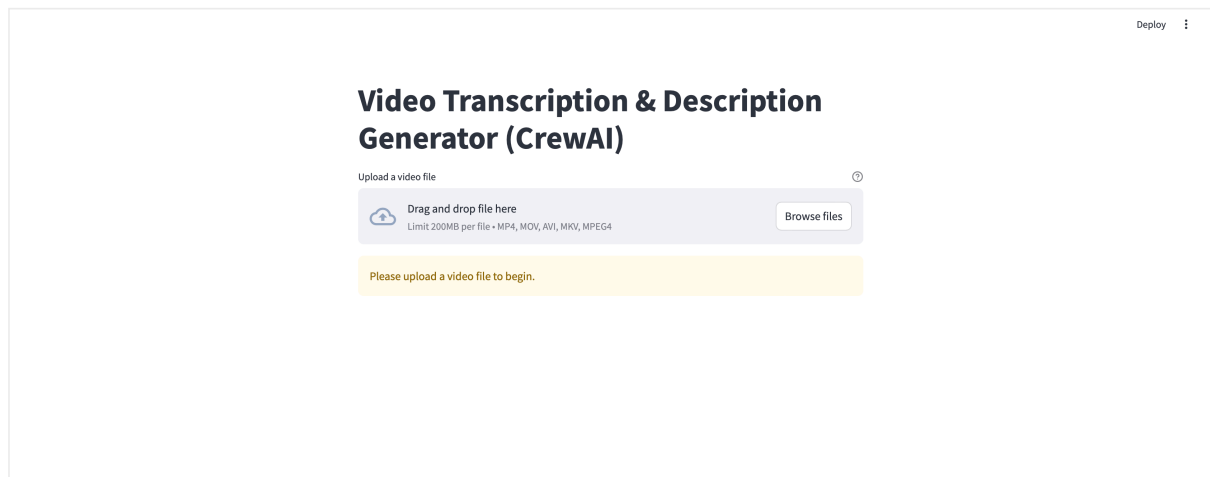
Image selection using (gpt-4o-mini model)

Installation

I already mentioned it in README

Usage

1.run the program using streamlit run main.py and you see this window:



click on Browse files and you can select the video from temp_uploads folder and upload it.

Deploy

Video Transcription & Description Generator (CrewAI)

Upload a video file

Drag and drop file here


Limit: 200MB per file • MP4, MOV, AVI, MKV, MPEG4

Browse files

WhatsApp Video 2025-03-09 at 20:42:32.mp4

4.5MB

X



Select target language:

English

▼

Process Video with AI Crew

Click on the Process Video with AI Crew

Deploy

AI Crew Processing Completed!

Transcription

Full Transcript:


Here I have a puzzle from Paw Patrol. It contains 4 sub-puzzles. Each one can be completed and it's suitable for children 3 years and more. I would like to sell it for 5 Euro.

Generated Description

The Paw Patrol puzzle features 4 engaging sub-puzzles, perfect for children aged 3 years and older. This fun and educational toy encourages problem-solving and fine motor skills. Available for just 5 Euro, it's a great addition to any child's toy collection!


Relevant Video Frames

These frames were selected by the AI Crew as most representative:




Selected image 1

Download image



Selected image 2

Download image



Selected image 3

Download image

After that you can also Download the images. and Finished!

If your Video does not talk about a product you may get this There is no description for the video because it does not talk about a product , also you may not get any images.

Process Video with AI Crew

AI Crew Processing Complete!

Transcription

Full Transcript:

How are you? What are you doing?

Generated Description

There is no description for the video because it does not talk about a product.