

YouTube Automation Tool Checklist

Steps to build and use a custom YouTube automation tool.

Based on [YouTube Video JFGYOVbYq_I](#) by Casey Builds It

Watch the video: https://www.youtube.com/watch?v=JFGYOVbYq_I

1. Tool Setup and Core Functionality

Understand the foundational components and initial setup of the automation tool.

- Install and set up Cursor IDE.
- Integrate a Python script for automation.
- Set up a Graphical User Interface (GUI) for the tool.
- Configure API keys for YouTube Data API.
- Implement Faster Whisper for video transcription.
- Integrate Claude AI for content generation (descriptions, comments).
- Connect FFmpeg and FFprobe for video processing.

2. Video Upload Automation

Automate the process of uploading full-length videos to YouTube.

- Prepare local video files for upload.
- Use the tool to initiate video upload.
- Generate video titles using AI.
- Generate video descriptions using AI.
- Generate initial comments using AI.
- Configure YouTube Data API for direct uploads.
- Handle API authentication and authorization.

3. YouTube Shorts Creation

Automate the creation and preparation of YouTube Shorts from longer videos.

- Configure the tool to break down full videos into segments.
- Automatically generate multiple Shorts from a single video.
- Apply a blurred background effect for Shorts.
- Generate unique descriptions for each Short using AI.
- Generate unique comments for each Short using AI.
- Prepare Shorts for automatic posting.

4. Content Management and Editing

Utilize the tool's features for managing and refining existing video content.

- Access a single video management section.
- Pull up existing videos from your channel.
- Edit previously generated content (descriptions, comments).
- Regenerate content for existing videos.
- Swap thumbnails for uploaded videos.
- Ensure thumbnails are compatible with Shorts (note limitations).

5. AI Integration Details

Focus on the specific AI models and their roles in the automation pipeline.

- Utilize Claude AI for generating descriptions and comments.
- Use Faster Whisper for accurate video transcription.
- Understand how AI prompts influence output quality.
- Experiment with different AI prompts for varied results.

6. Video Processing with FFmpeg

Leverage FFmpeg for technical video manipulation tasks.

- Use FFmpeg to cut and segment video files.
- Implement FFmpeg for creating blurred background effects.
- Understand FFprobe for video information extraction.
- Configure FFmpeg settings for optimal video output.

7. Future Development and Integration

Explore potential future enhancements and integrations for the tool.

- Consider connecting the tool to a personal website.
- Automate the generation of blog pages from video uploads.
- Plan for future feature additions based on user feedback.
- Explore options for releasing the tool (free or paid).

Resources & Further Reading

Use these pages while working through the checklist:

Casey Builds It | -
- | caseybuildsit.com

Automate your YouTube workflow with AI and custom scripting.