

Mini Brands Automation Project

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This automation project, developed by Mujtabah Asam, is designed to auto-generate, render, and upload viral YouTube videos

featuring creative representations of mini brands across various niches like sneakers, coffee shops, luxury watches, and more.

The system leverages several AI services and automation platforms to streamline the entire process-from prompt creation to YouTube upload.

Workflow Overview:

1. **Create Story Prompts**:

- Uses OpenAI to generate creative video concepts based on brand data from a Google Sheet.
- Prompts are enriched using memory and parser nodes for more personalization.

2. **Generate Images**:

- Utilizes QueueTask API to create highly imaginative brand-related images.
- Waits for image generation to complete and retrieves them for the next step.

3. **Generate Videos**:

- Combines the generated images into dynamic videos using advanced templates.
- Waits until video rendering is confirmed complete.

4. **Generate Sound**:

- Employs Eleven Labs API to synthesize voiceovers or soundscapes.
- The audio is uploaded and linked to be used in the video rendering.

5. **Render Final Video**:

- Combines images, sound, and prompts into a final video using Creatomate.
- Automatically downloads the final video file.

6. **Upload to YouTube**:

- Automatically uploads the completed video to a linked YouTube account.
- Adds tracking and updates Google Sheets for progress monitoring.

Tools & APIs Used:

- OpenAI API (Chat model for story generation)
- ElevenLabs API (Voice generation)
- QueueTask (Image & video rendering)
- Creatomate (Final video rendering)
- Google Sheets & Google Drive (Data management)
- YouTube API (Auto uploads)
- Optional: TikTok, Instagram (for multi-platform uploads)

Use Cases:

- Automated YouTube content creation for mini brand showcases.
- Viral marketing videos for product categories like sneakers, fast food, coffee chains, and fashion.
- Scalable video generation and posting for social media managers, content creators, or brand marketers.

Summary:

This automation reduces the time, cost, and manual effort of creating brand videos for YouTube. It's a plug-and-play system that allows creators to schedule, generate, and publish high-quality content daily-powered entirely by AI and automation tools.