

Quick Documentation

Introduction

This document describes the development process of a multimedia content creation and management application. The project integrates various APIs and tools to fetch, process, and upload multimedia content.

Tools and Technologies Used

Python, Requests, spaCy, Transformers, Scikit-Learn, NumPy, Pytube, Pillow, Google Authentication Libraries, MoviePy, python-dotenv, Google cloud.

System Requirements

Hardware Requirements

No specific hardware requirements.

Software Requirements

Operating System: Compatible with major operating systems.

Software: Python 3.x

Setup Environment

1. Install Python: Instructions on installing Python and setting up the Python environment.
2. Clone Repository: Instructions on cloning the source code from a repository if applicable.
3. Install Dependencies: Use the command 'pip install -r requirements.txt' to install required libraries.
4. Environment Variables: Set up using a .env file or system environment settings. Mention the use of the python-dotenv package.

File Descriptions

main.py: The main script handling core functionality.

.env: Stores API keys and sensitive information securely.

google_cloud_client_secret.json: Used for Google Cloud authentication.

youtube_client_secret.json: Facilitates YouTube API OAuth2 authentication.

requirements.txt: Lists all project dependencies.