AI Prompt-Generated Music and Art

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Project Topic and Importance:

- My project facilitates cutting-edge machine learning models to generate a music video using artificial intelligence (AI) tools and outputs.
- Inspired by on-stage visual FX used during live music shows for bands and artists at a concert.
- Utilizing prompt-based user inputs, my program generates unique and dynamic music videos.
- This project aims to demonstrate the capabilities of AI and inspire new forms of creative expression.

Artificial Intelligence Toolkit:

These artificial intelligence models were released by Google's OpenAI.

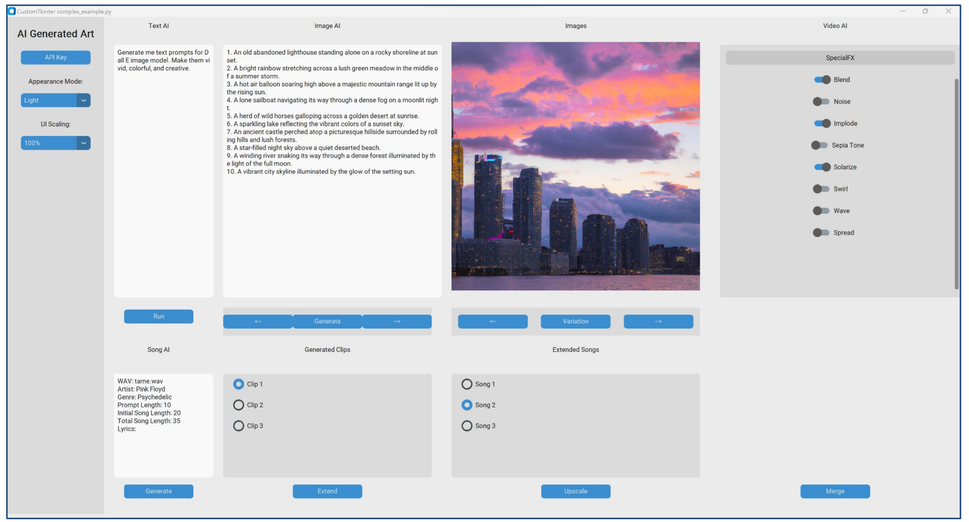
Langue Model

Image Model

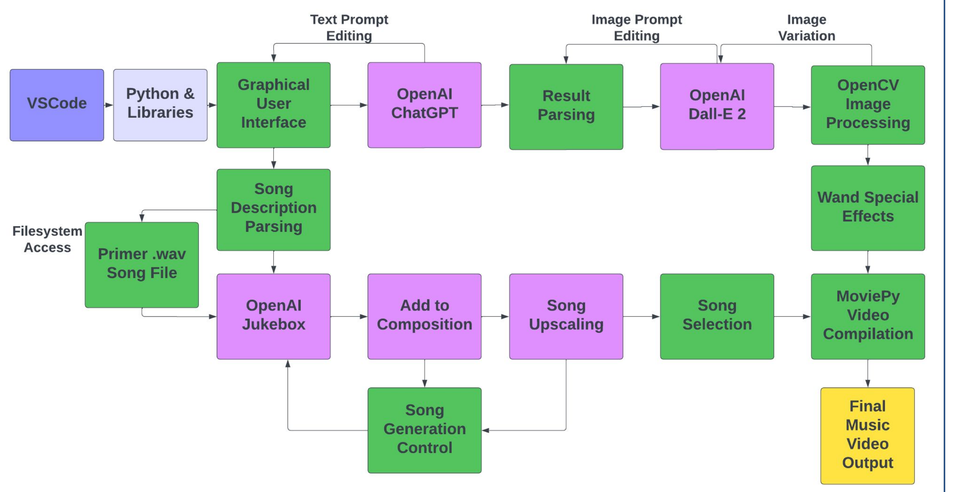
Music Model

The power of these models can be enhanced when combined with human user-assisted prompting.

Graphical User Interface:



Process Flow Map:



The user of this application prompts the AI generators with creative descriptions or ideas, then, selects their favorite generated images and music for video compilation. Feedback loops and editing are enabled along the way to create unique and desired outputs.

System Improvements:

- The utilization of cloud computing services like OpenAI and Google Colab allows users to access top-of-the-line graphics processors that speed up performance and make it compatible on any device.
- The added feedback loops enable users to curate the exact music video output they desire to make.
- Connecting all of the artificial intelligence tools into one program with a graphical user interface greatly improves user experience and promotes creativity.

Outputs & Results:

- AI-Generated Text from Prompts
- AI-Generated Images from Prompts
- AI-Generated Music from Prompts
- Compiled Final Music Video with Special Effects

Future Work:

- Stage projection with live music band.
- Auto-GPT autonomous AI generation tool.