Edward Goonzalez

Non-Linear Narrative

December 5th, 2024

Basic Media Controls in QLab

This Python script allows users to select an image from a specified folder while sending an OSC (Open Sound Control) message to trigger an event, such as a "cue", based on the selected image. The selected image will show that it has been selected from the number "cue".

Key Components:

- Image File Path Folder: The script lists all image files (JPG, JPEG, PNG, GIF, BMP) from a specified folder (folder_path).
- OSC Communication: The script uses the python-osc library to send OSC messages by getting a specified IP and port based on the QLab setup.
- User Interaction: The script prompts the user to choose an image by entering a number "cue" which corresponds to the list of images in the folder. Each image has an assigned number attached to them to be called back.
- OSC Trigger: Upon selecting an image, the OSC message is sent to a specific address to trigger an event (event = cue).

Description:

- Directory Listing: The folder path (folder_path) is set to a specific directory on the local system. All image files within the folder are listed, and only files with supported image extensions (jpg, jpeg, png, gif, bmp) are considered.
- User Image Selection: The user is shown a list of images; with numbers assigned to each of them. The user enters a number that corresponds to their choice of image.
- OSC Message: Once an image is selected, an OSC message is sent to trigger an event (e.g., a cue) with a predefined cue number (default is 1).

Repetition & Exit: After triggering the cue. The user is given a choice to either select another image or exit the program. This process repeats itself until the user opts to exit by entering 'n'.

Error Handling:

- If the user enters an invalid number (outside the list range), the script catches the error and prompts for a valid selection. Any other exceptions are caught and displayed as an error message.

Dependencies:

- python-osc: Library for OSC communication.
- os: For directory operations (Folder path).

Instructions to Run:

- Set the path to your image folder in folder_path.
- The OSC message is sent to the specified IP and port (osc_ip, osc_port).
- Run the script, and choose an image until you exit the program. Enjoy!