

Media Mimic

Archived Project Documentation

Project Overview

Name: Media Mimic
Type: Desktop Application
Language: Python (95.7%), Batchfile (4.3%)
Framework: PySide6 (Qt for Python)
Version: Build v2024.11.22 Alpha
License: Free & Open Source
Created: November 2024

Media Mimic is a desktop media library interface built with PySide6 that provides a graphical way to browse and play video content organized by categories. The application scans a configured media directory and displays content in an organized, visual grid layout.

Features

Library Organization

- Scans a configured media directory and displays content hierarchically
- Categories (folders) contain series titles (subfolders)
- Filters out blacklisted directories and files starting with specific characters

Visual Interface

- Creates category headers with grid layouts of buttons
- Each button displays a poster image (180x270 pixels) and title text
- Automatically adjusts grid columns based on window width

- Uses a scroll area for browsing large libraries
- Includes custom window icons

Video Playback Integration

- Opens video folders in an existing VLC instance
- Uses subprocess commands with recursive playlist options
- Displays warning messages if VLC isn't detected
- Shows error dialogs if video folder opening fails

Dynamic Layout

- Responsively recalculates grid columns on window resize
- Optimizes button arrangement for different screen widths
- Missing poster images default to a configured placeholder

Requirements

Operating System: Windows (uses batch launcher)

Python: Python 3.x

External Software: VLC Media Player

Python Dependencies

- `psutil` - version 6.1.0 (system utilities)
- `PySide6` - version 6.8.0.1 (Qt framework)
- `PySide6_Addons` - version 6.8.0.1
- `PySide6_Essentials` - version 6.8.0.1
- `shiboken6` - version 6.8.0.1 (C++ binding generator)

Configuration Options

Settings are defined in `settings.py` (copy from `settings.py.example`):

- **window_title:** Application window name (default: "Media Mimic")
- **app_icon:** Icon file (default: "icon.png")
- **media_path:** Root directory for media files
- **poster_path:** Folder containing poster images (default: "posters")
- **default_poster:** Fallback poster image (default: "default.jpg")
- **blacklisted_directories:** Folders to exclude from scanning
- **blacklisted_starting_characters:** Ignore files/folders starting with these characters

Repository Structure

- `/posters` - Directory for media poster images
- `main.py` - Primary Python application script
- `requirements.txt` - Python dependency specifications
- `settings.py.example` - Configuration template
- `zlauncher.bat` - Windows batch launcher
- `default.jpg` - Default poster placeholder
- `icon.png` - Application icon

Links

GitHub Repository: https://github.com/osyra42/media_mimic

(https://github.com/osyra42/media_mimic)

Archive Date: January 2026

Original Page: https://coffeebyte.dev/media_mimic.html

Archived By: Coffee Byte Dev (osyra42)