

# 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

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**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

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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

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- `/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

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**GitHub Repository:** [https://github.com/osyra42/media\\_mimic](https://github.com/osyra42/media_mimic)

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