



A Blog Article by

**Geek Must Have**

## Video Catalog Requirements

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Requirements for as simple a solution as possible for a PHP movie catalog web page.

A downloadable version of this document is available at this [link](#).

The GitHub version of this document with all assets including images is available at this [link](#)

The web page version of this document is available at this [link](#)

# 1. Introduction

GeekMustHave is a combination of website blog, GitHub repositories and YouTube channel.

Blog: <https://GeekMustHave.com>

GitHub: <https://github.com/GeekMustHave>

YouTube: <https://YouTube.com/c/GeekMustHave>

GMH needs a Video Catalog page that allows for display of Video Catalog with playback and download.

Not all of GMH video work is on YouTube. Some of it is related only to a blog post or an response from other web sites that are connected to GeekMust have.

The solution requested is a PHP based solution which will run in a directory under the WordPress directory on the GMH Blog. The WordPress site is run on a co-hosted server managed by BlueCloud.

All WordPress plugin's are far too complex and require databases and login procedures. The Video Catalog requested needs to be as simple as possible.

GeekMust have is flexible in the requirements to a certain extent. Please let us know of any alternatives or suggested approach.

# 2. Requirements

1. As simple a solution as possible
2. File based only, no databases
3. Show an alphabetical list of videos (MP4) from a folder based on video file name
4. Show an associated description text from another folder
5. Turn text that represents a hyperlink into a clickable link into a new page
6. Not all videos will have descriptions
7. Allow for search on Video Name or text description
8. Avoid using code that pre-loads all of the videos on the page
9. Use thumbnail PNG images for video catalog page from another folder

10. File names may contain spaces
11. Not all videos will have thumbnails, missing thumbnail replace with standard PNG (Thumbnail Pending)
12. Allow for 5 videos on a page with paging controls on bottom of page
13. Allow the number of videos on page to be set within PHP code
14. Prefer a single PHP file solution

## 3. Structure

The file structure for the Video Catalog will be maintained outside of the Video Catalog PHP page.

There is an automated process that will automatically copy the proper set of files for a video into the proper directories.

The file names for the Description, Thumbnail and Video will all be identical, with exception of the file extension.

### *File Extensions*

1. txt - Description
2. png - Thumbnail
3. mp4 - Video

### 3.1. Folder / File Structure

The following is what the folder / file structure will be for the Video Catalog.

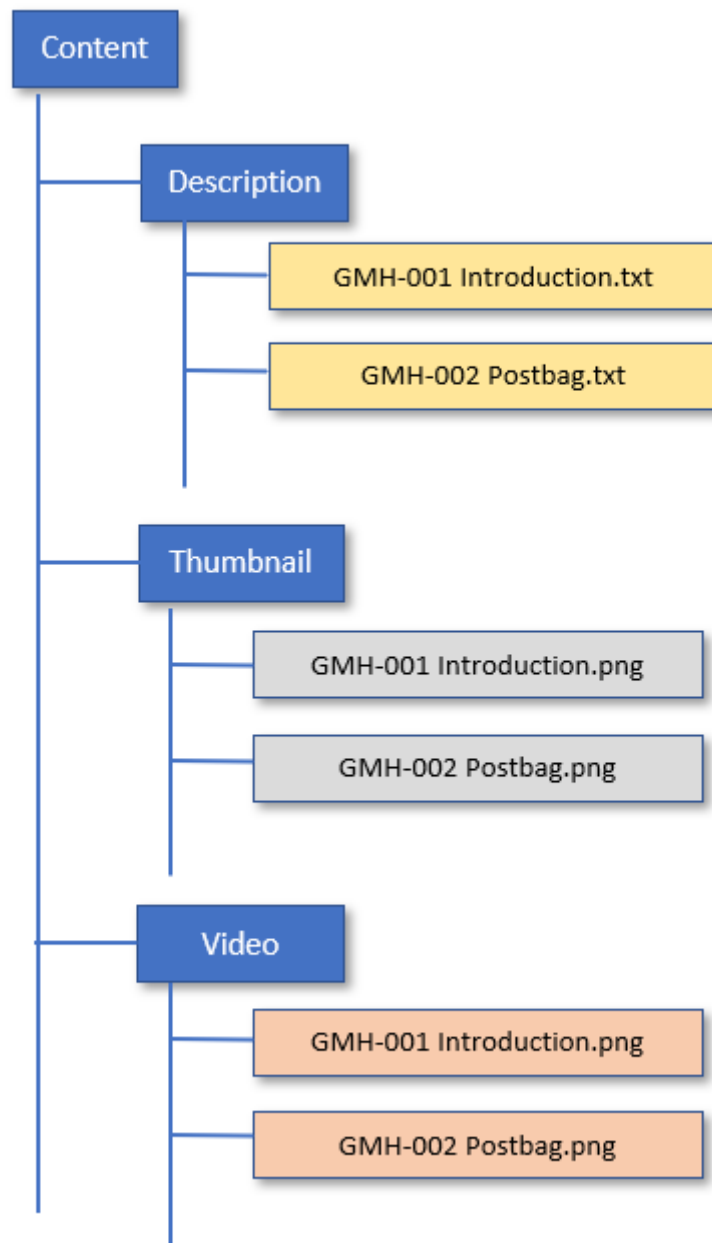


Figure 1. Video Catalog Folder/File

## 4. Video Catalog Page Requirements

This are the requirements for the single Video Catalog page.

1. The flat button style is preferred.
2. The paging controls can be different as long as they have
  - a. First page
  - b. Previous Page
  - c. Page x of y
  - d. Next Page
  - e. Last Page

3. Tooltip opens when user hovers over a button
4. Download allows for the video to be downloaded
5. Clicking on the Video thumbnail plays the video
  - a. Video player should allow for full screen and an escape from full screen
  - b. Video player should allow for quickly moving around the video
  - c. Video Player should have a Play/Pause button or control, space bar is good for this
6. Clicking on the YouTube ICON would transfer the user to the GeekMustHave YouTubeChannel, in a New page
7. Clicking on the GitHub ICON would transfer the user to the GeekMustHave GitHub Repositories page,in a new page

## 4.1. Video Page Prototype

The following is an example of the layout for the single Video Catalog page.

### GMH-002 PostBag.MP4



Download

Here are some goodies from China. Electromagnetic Radiation Detector, Electronic Computer identifier, and Neodymium magnets. This is my first video with "Charlotte" my overhead camera rig. Using a Logitech C630 webcam set at 720p. I am not happy with the quality of this video. I will be looking into alternative cameras, Special shout out to Julian Lett whose channel has been both educational and an inspiration for me to try something like it. Please visit and support his channel at <https://www.youtube.com/user/julius2>

### GMH-001 Introduction.MP4



Download

This is the introduction to Geek and his channel about learning and building stuff. Technology of all flavors from the useful to the absurd. There is a companion blog at <http://GeekMustHave.com>. Please click on the Subscribe button, the Geek likes to be liked.

Figure 2. Video Catalog Page

## 5. Contact

Contact Information.

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## 6. Document History

*Table 1. Document History*

<b>Date</b>	<b>Version</b>	<b>Author</b>	<b>Description</b>
01/28/2019	V2.1b	JHRS	Initial version