



# Image Grid Viewer Requirements Document



Sitecore

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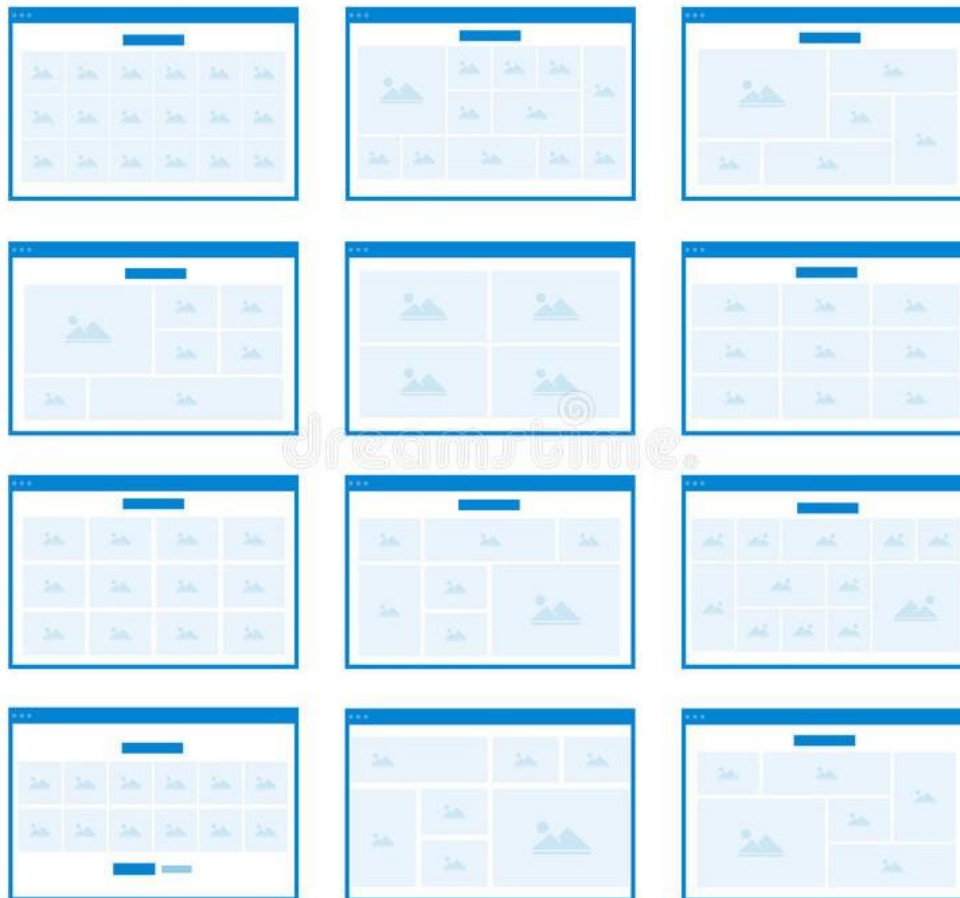
## 1. Objective

Vision	<p>An Image Grid Viewer aka IGV is an application that can display stored graphical images. It can handle various graphics file formats. IGV renders the image according to properties of the display such as color depth, display resolution, and color profile.</p> <p>Image Grid Viewer have functionalities, such as stepping through all the images in a directory (possibly as a slider).</p> <p>Image Grid Viewer give maximum flexibility to the user by providing a direct view of the directory structure available on a hard disk. IGV also have features for organizing images, especially an image database, and hence can also be used as image organizer.</p>
Goals	<p>Adequate searching mechanism for quick and easy access to the images with in specific folder. It should also have the capability of crawling through the Sub-folders as well.</p> <p>The Image Grid Viewer should be working with Windows Operating system. Operating system should be greater than or equal to Window 8.1.</p> <p>Image grid viewer should be available in Windows native desktop application as well as a lite version of the same has to be deployed on the web application.</p> <p>Image Grid Viewing experience could be available in several themes like Brochure, Circle, Pile, Square Heads, Cards etc.</p> <p>Drag -n- Drop: The IGV should be able to provide the Drag -n- Drop feature for the folders containing images.</p> <p>Right Click Menu: The IGV menu should appear, if the user right clicks on any folder containing images.</p> <p>Sub-Folders: While opening the image folder, Drag -n- Drop or Right Click Menu. System should ask to include the sub-folders or not using a check box.</p>

	<p>Display photography, audio and video including self hosted multimedia. All Image Grid Viewer data is passed either as JSON or as a javascript object.</p> <p>Choose columns or rows to display the images in the Grid</p> <p>Supports multiple image albums or sets.</p> <p>Items can be shown as cards or as tiles. Also albums can be shown with stacked effect or as tiles.</p> <p>Items can have titles and/or descriptions with various options of showing them based on item display style.</p> <p>There should be numerous options of animating item/album entrances, titles, descriptions and the lightbox.</p> <p>Filter items by file type or custom categories.</p> <p>Sort items by title, type or custom sort parameters, both numeric and alphabetic and in either ascending or descending order.</p> <p>Show/hide the various menu bar components, fix the menu bar on page scroll, or even hide it completely. Also the option to provide custom labels for the various menu bar components</p> <p>Deep-linking feature which provides links to individual items, with album support, allowing to bookmark/share them.</p> <p>Load items in chunks which can either be loaded manually or automatically as the grid is scrolled.</p> <p>Allow sharing of items to popular social media sites from within the Image Grid.</p> <p>Option to build album by scanning a folder of photos or videos.</p> <p>Enable caching of data to have faster loading. Useful for Youtube/Vimeo/Dailymotion, folder scanning, EXIF extraction.</p> <p>Several useful developer friendly API functions and events has also been provided.</p>
Initiatives	<p>IGV is a tiny, flexible tool to automate processing &amp; organizing images and folders. IGV can eliminate much of the searching and manually opening folders and moving images around. Open a group of different images and folders on the floating IGV and it sorts them to defined destination folders. You can define how filter your images (by tags, name, directory, size, date, properties or content).</p>

## 2. Wireframe

Wireframe of IGV looks something like this



## 3. Limitations

- Auto-play option will not work in mobile devices. This is disabled by device manufactures.
- Player volume setting will not show up or work in Android devices. You have to control the volume through the device's own volume buttons.
- Some of the modern HTML5 features such as Fullscreen will only work in modern browsers.
- The plugin uses YouTube API v3 for which an API key needs to be obtained from YouTube

#### 4. Future work

Future features	Purpose	Priority	Timeframe
IGV should support other operating system such as Android and IOS.	Increasing user	Medium	3 months
Plays audio and video natively in modern HTML5 browsers and switches over to Flash/Silverlight for older browsers.	More features	Medium	15 days
Can embed YouTube, Vimeo and Dailymotion videos.	Extra features	High	20 days