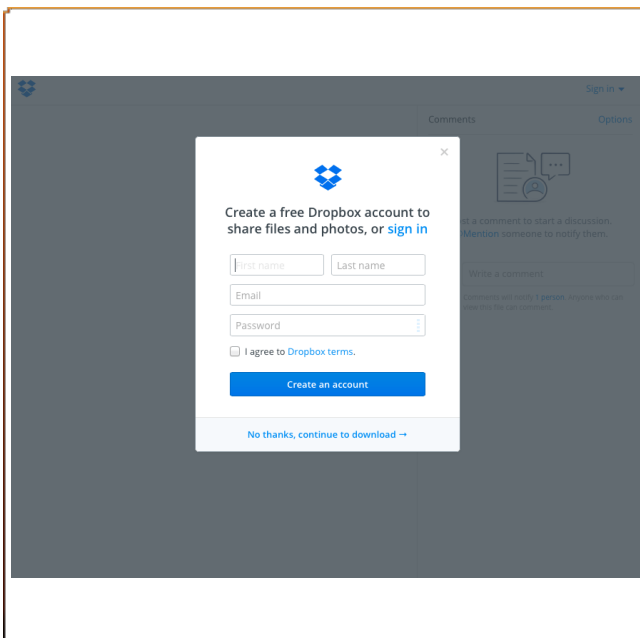
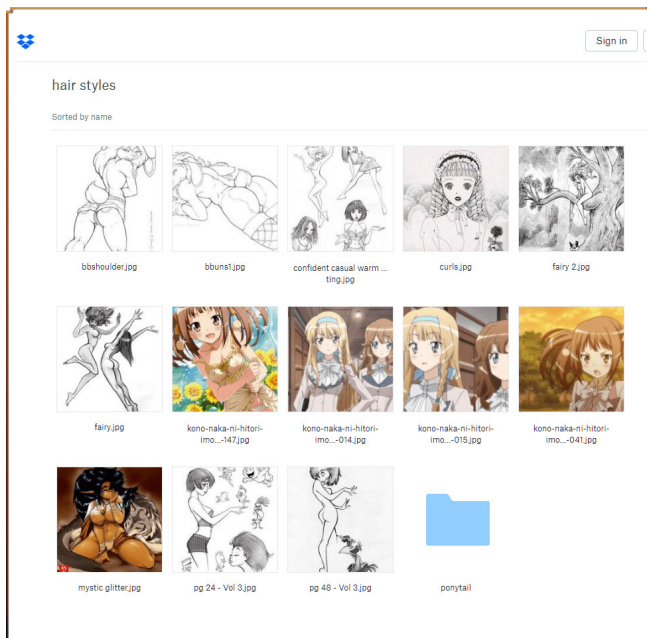


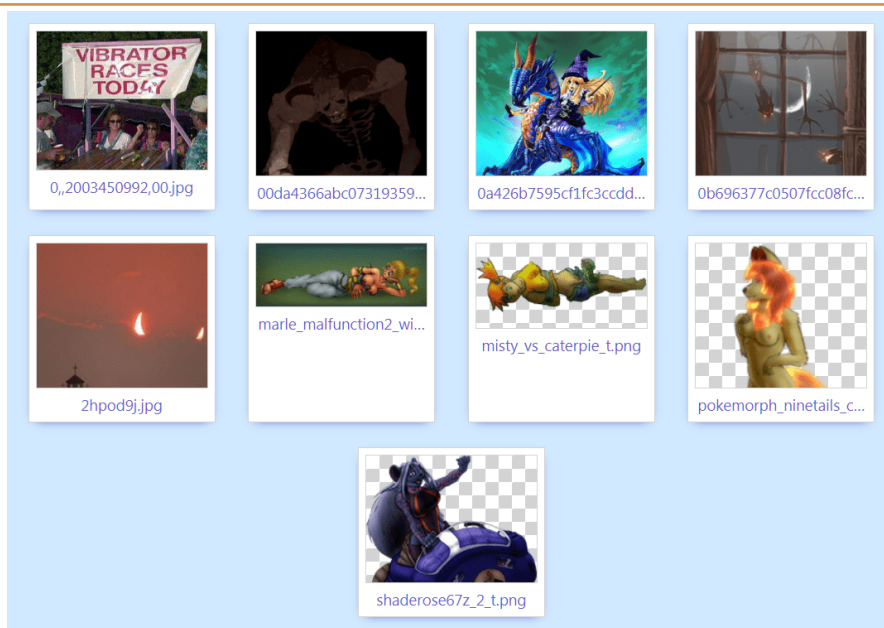
The Goal

One of the few things I still like about dropbox is that you can link people to a folder to display an image gallery, but dropbox always displays an annoying pop-up to try to get people to sign up. So I'm going to try making my own auto-upload gallery, where you can just drag a picture into a folder and it'll instantly be online in a gallery.



Attempt 1

The HTML is very simple and self-contained. I can have a NodeJS script generate the thumbnails using ImageMagick and create a fileList.txt and then the HTML has JavaScript that can read it.



Download this code

```
<!doctype html>
<html lang="en"><head> <meta charset="UTF-8">
<title>Image Gallery</title>
<style>

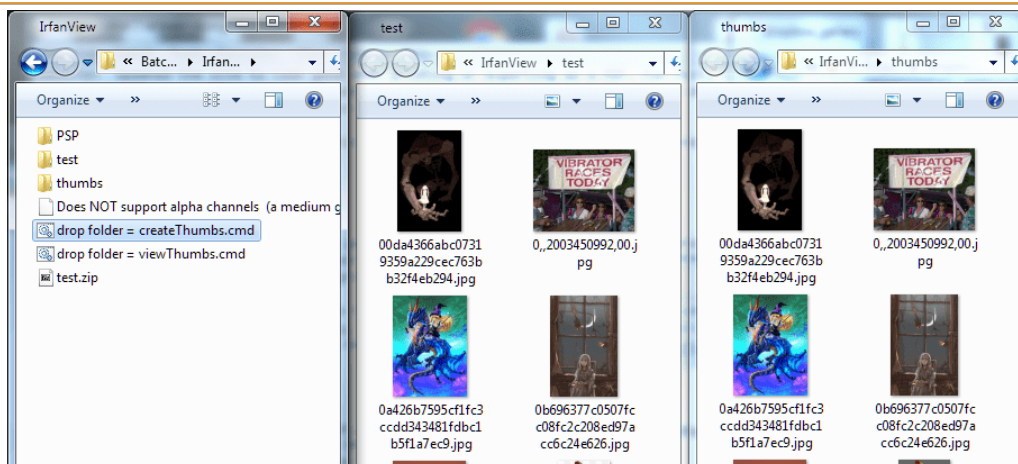
body{
  margin: 0;
}

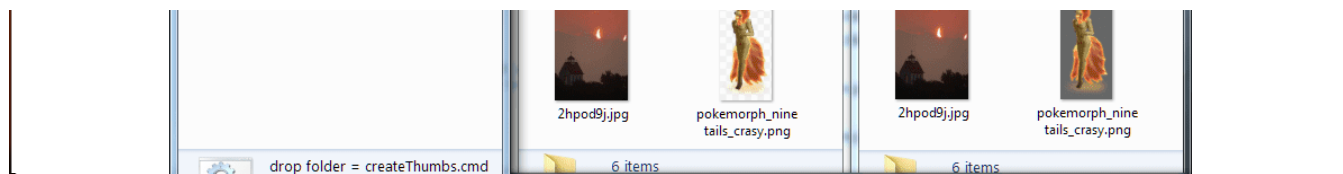
a{
  text-decoration: none;
  color: slateblue;
}

#gallery{
  background-color: #d1e9ff;
  display: flex;
  flex-wrap: wrap;
  justify-content: space-evenly;
/*  justify-content: space-between;*/
  align-content: flex-start;
/*  align-content: space-between;*/
/*  align-content: stretch;*/
/*  align-items: flex-start;*/
  min-height: 100vh;
  margin: 0;
  padding: 0;
}
```

Thumbnails

I tried using IrfanView to generate thumbnails, but it removes alpha channels from PNG images.





Download this code

```
rem "drop folder = createThumbs.cmd"

echo off

rem This requires Irfanview

set size=300

rem Where are we?
set iview="C:\Program Files\IrfanView\i_view64.exe"
set infolder=%~1
set thisfolder=%~dp0
set outfolder=%~dp0thumbs

rem empty the thumbnail folder
if exist "%outfolder%" del /s /q "%outfolder%"
if not exist "%outfolder%\NUL" mkdir "%outfolder%"

%iview% "%infolder%\*.jpg" /resize=( %size%, %size%) /resample /aspectratio /
convert="%outfolder%\$N.jpg"
%iview% "%infolder%\*.png" /resize=( %size%, %size%) /resample /aspectratio /
convert="%outfolder%\$N.png"
%iview% "%infolder%\*.gif" /resize=( %size%, %size%) /resample /aspectratio /
convert="%outfolder%\$N.gif"

rem pause
```

But it turns out that ImageMagick will preserve alpha channels if you generate thumbnails using its “mogrify” command.

Okay, I figured out how to recursively replace pics with smaller versions.

```
for /r "%thisfolder%" %%G in (*.jpg) do mogrify -resize "800x800>" "%%G"
```

Requires ImageMagick to be installed. Always backup your stuff before trying anything recursive.





Download this code

```
rem "drop folder = recursively replace pics with thumbs (don't enlarge small pics).cmd"

echo off
rem This requires ImageMagick

set size=300

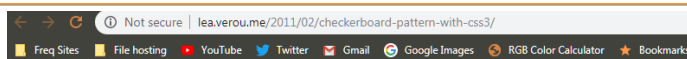
rem Where are we?
set selffolder=%~dp0

rem Set "picfolder" to the 1st parameter's value. If no param, then use "selffolder"
instead
if %1==. (goto defaultFolder) else set picfolder=%~1\
:defaultFolderReturn

rem if exist "%picfolder%*.jpg" mogrify -quiet -format jpg -path "%thumbfolder%" -thumbnail
%size%%size% "%picfolder%*.jpg"
rem if exist "%picfolder%*.png" mogrify -quiet -format png -path "%thumbfolder%" -thumbnail
%size%%size% "%picfolder%*.png"
rem if exist "%picfolder%*.gif" mogrify -quiet -format gif -path "%thumbfolder%" -thumbnail
%size%%size% "%picfolder%*.gif"
for /r "%picfolder%" %%G in (*.*) do mogrify -resize %size%%size% "%%G"
```

"Showing" Transparency

The checkerboard pattern is a fancy CSS gradient with sudden changes in color.



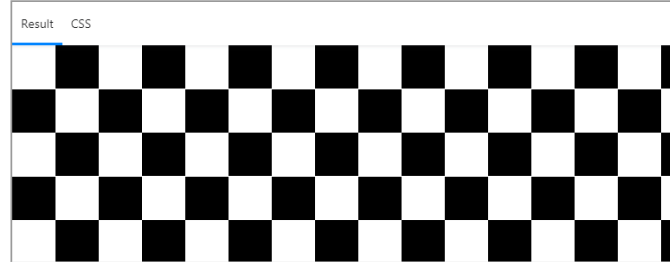


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Checkerboard pattern with CSS3

Posted on FEBRUARY 16, 2011 by LEA VEROU

A while ago, I wrote a post on [creating simple patterns with CSS3 gradients](#). A common pattern I was unable to create was a regular, non-rotated checkerboard. However, I noticed today that by giving a different background-position to a pattern tile, a checkerboard can be easily created:



Icons

The folders are SVG's that are inlined into the CSS using:

```
url("data:image/svg+xml;utf8, ... ")
```

Probably Don't Base64 SVG

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Probably Don't Base64 SVG



Author
Chris Coyier

Last Updated
Jul 25, 2016

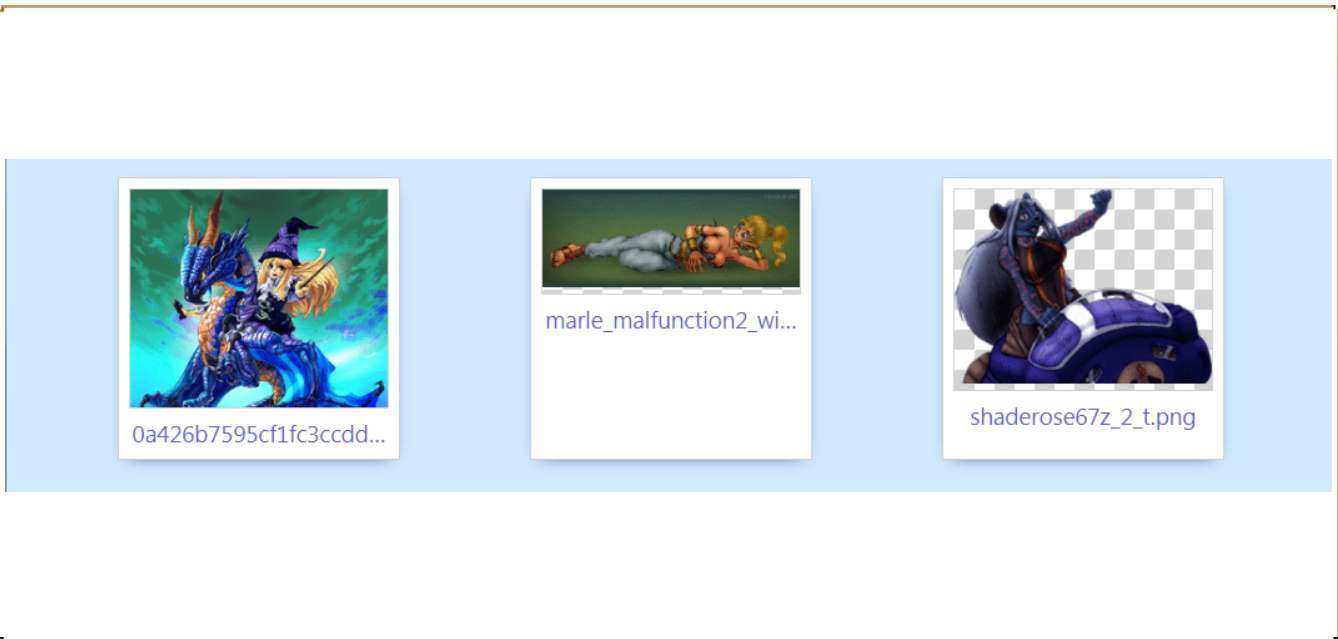
FaunaDB: GraphQL backend for JavaScript apps

Perhaps you've heard of data URIs. It's a really nice way of including a resource that would have otherwise been a separate HTTP request. The format that you use in a data URI can vary. Essentially you just tell it what content type it is (e.g. `image/png`), semicolon, then the data of that file.

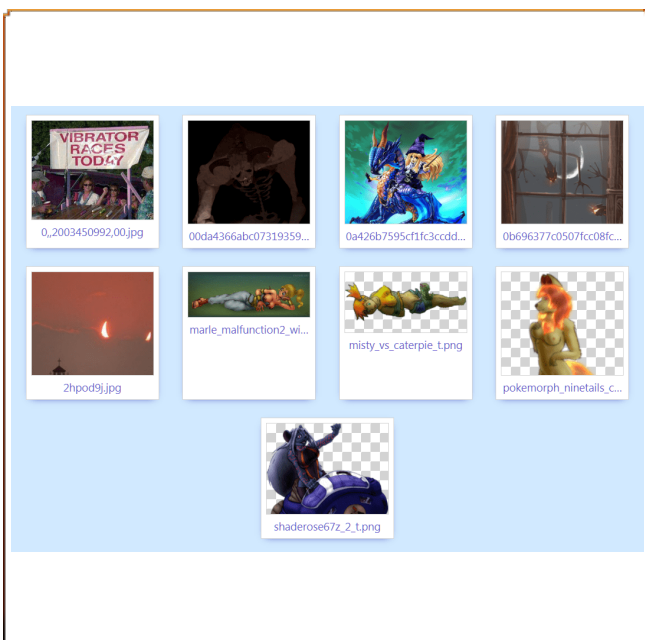
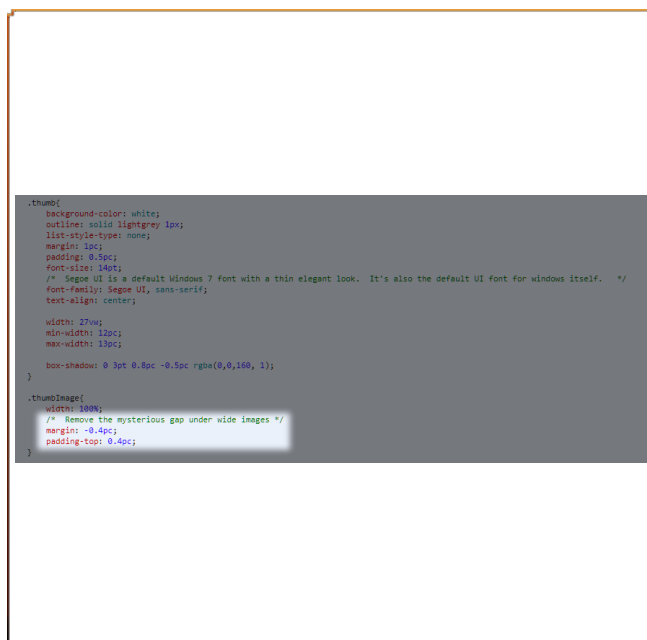
Eek! A bug!

For some reason, images wrapped in link tags tend to have this annoying gap added underneath them. It's not margin OR padding so I'm stumped about what's causing it. Maybe something to do with how I'm scaling the thumbnails proportionally?

something to do with how I'm scaling the thumbnails proportionally.



I can hide the gap using a negative margin and add padding to keep everything below it in the same place. Yeah 0.4 picas may be a magic number but it seems to work reliably at any view scale.



```
.thumbImage {
  width: 100%;
  /* Remove the mysterious gap under wide images */
  margin: -0.4px;
  padding-top: 0.4px;
}
```

Wait, there's a better way! Just change the picture's "vertical-align" to any other value besides "baseline"


```
img{
  height: 100%;
  vertical-align: top;
  float: left;
  margin-right: (@padding * 2);
  border-radius: @rounded 0 0 @rounded;
```

It turns out that weird gap under the pictures is caused by a font thing called “descenders”. Lowercase letters like “g” and “y” hang down a little under the line of text and the web browser automatically makes room for these when you wrap anything in an HTML link, because it assumes that links always have text. There are a [bunch of ways](#) to fix this in the CSS style sheet.

Myriad Pro, 100 pt

A B c g h i j o 1 2 3 4 5

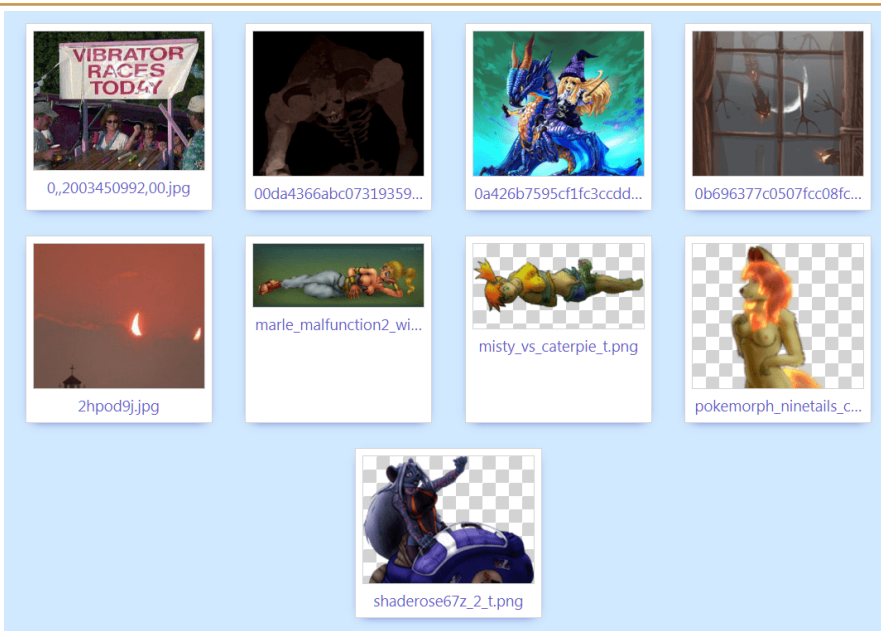
Links

Clicking the thumbnail images opens the full-size pic in a separate tab. Clicking on the file name immediately downloads it to your default download folder. You can make links do this by adding an attribute called “download” to the  `<a>`  tag.

<!doctype html>

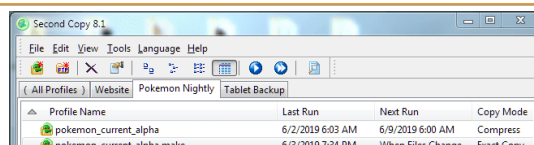
```
<html lang="en">
<head>...</head>
...<body> == $0
  <ul id="gallery">
    <li class="thumb">...</li>
    <li class="thumb">...</li>
    <li class="thumb">...</li>
    <li class="thumb">...</li>
    <li class="thumb">
      <a href="0a426b7595cf1fc3ccdd343481fdb5f1a7ec9.jpg" target="_blank">
        <div class="thumbImageCrop">
          
        </div>
      </a>
      <a href="0a426b7595cf1fc3ccdd343481fdb5f1a7ec9.jpg" download>
        <p class="fileName">0a426b7595cf1fc3ccdd343481fdb5f1a7ec9.jpg</p>
      </a>
    </li>
    <li class="thumb">...</li>
    <li class="thumb">...</li>
    <li class="thumb">...</li>
    <li class="thumb">...</li>
    <li class="thumb">...</li>
    <li class="thumb">...</li>
  </ul>
  <script>...</script>
</body>
</html>
```

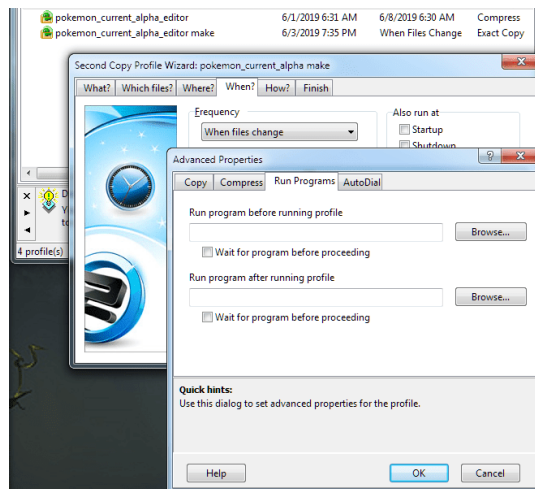
If I add a folderList.txt I can also display links to other folders, which can also contain an index.htm file. That could be another gallery or a normal web page.



Automatic Sync

I think what I'll do is use SecondCopy to automatically copy my gallery folder when files change to another spot on my HD, and then make ImageMagick replace the copied pics with smaller versions, then tell WinSCP to sync that folder to the server.

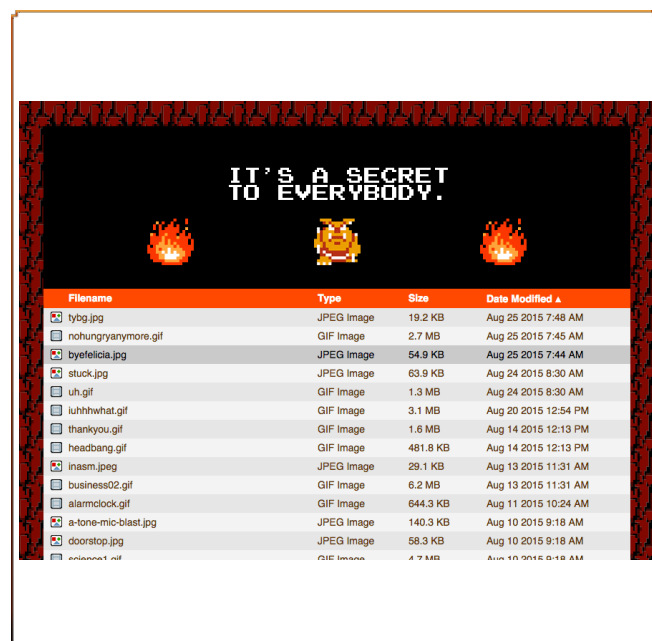




SecondCopy is a backup program that can run a script after copying files, but it can't pass any parameters to the script. So I'll just have my script recursively shrink larger images in the "upload" folder, hopefully without recompressing existing ones.

Attempt 2 (The Right Way)

Just realized this whole thing can be MUCH simpler. If I create an .htaccess file and tell it to automatically use a custom HTML file for pages lacking an index.htm. The Apache server embeds a file list into the HTML, so my gallery can just read THAT.



Index of /~drake/.hiddenVideo/Video

Name	Last modified	Size	Description
Parent Directory	-	-	-
3.10 To Yuma.mkv	11-Apr-2009 16:05	4.4G	
12 Monkeys.mp4	28-Aug-2012 16:06	1.5G	
28 Days Later.avi	28-Sep-2008 19:52	700M	
28 Weeks Later.avi	29-Sep-2008 05:30	701M	
300.avi	29-May-2010 21:14	701M	
2001 -- A Space Odys.>	05-Oct-2008 13:13	719M	
2010.MP4	09-Oct-2008 12:02	720M	
2081.avi	19-Nov-2010 17:38	804M	
A Beautiful Mind.mp4	30-Mar-2008 19:13	627M	
Air Show Vids/	26-May-2010 14:00	-	
Alien & Predator/	10-Nov-2012 01:25	-	
Amadeus.MP4	19-Oct-2008 14:54	1.8G	

Download this code

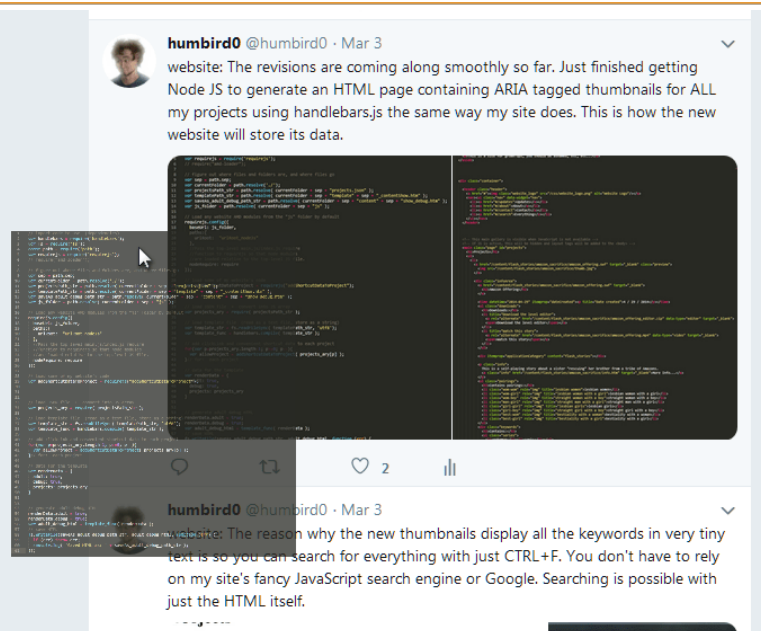
```
# .htaccess
```

```
# Display folder contents
Options +Indexes

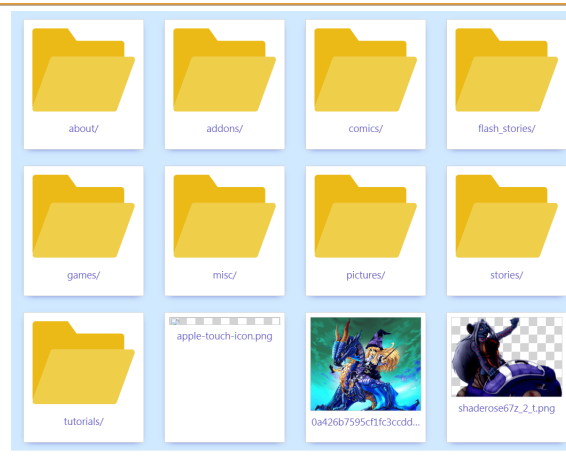
# DIRECTORY CUSTOMIZATION
<IfModule mod_autoindex.c>
  IndexOptions FancyIndexing FoldersFirst NameWidth=* DescriptionWidth=*
  SuppressHTMLPreamble
  HeaderName /css/folderIndex_gallery/header.htm
  ReadmeName /css/folderIndex_gallery/footer.htm

  DefaultIcon /css/folderIndex/misc.png
</IfModule>
```

No need to generate a fileList.txt or folderList.txt. And if I compress the images before uploading them, generating thumbnails won't really be necessary. I kinda like how Twitter lets you drag out "thumbnail" images from the page to download the full-size version.



It didn't take long to adapt the JavaScript to read the server's automatic file-list. You need to turn ON FancyIndexing in the .htaccess file to have enough information on-hand to identify folders.



```
Parent Directory              -
about/                        01-Apr-2019 08:15  -
albums/                       15-Mar-2019 14:47  -
comics/                       15-Mar-2019 14:48  -
flash_stories/               15-Mar-2019 15:00  -
games/                       12-Jan-2019 20:53  -
pics/                        11-Mar-2019 11:39  -
pictures/                    15-Mar-2019 15:37  -
stories/                     15-Mar-2019 13:51  -
tutorials/                   15-Mar-2019 15:46  -
apple-touch-icon.png         19-Nov-2017 17:15  6.2K
about.htm                   18-May-2019 16:53  1.0K
0042607595c1f1c3c0d343451f0c105fa7e9c.jpg 18-May-2019 16:53  1.0K
header00077_2_1.png
```

It might be fun to leave the original file listing visible at the bottom to show that this is an enhanced version of it. But that would be redundant. And the gallery is supposed to be dead-simple by design, so I'll probably hide the listing.

[Download header.htm](#)

```
<html><head>
<title>Humbird0's Lab: Gallery</title>
<style>

body{
  margin: 0;
}

a{
  text-decoration: none;
  color: slateblue;
}

#gallery{
  background-color: #d1e9ff;
  display: flex;
  flex-wrap: wrap;
  justify-content: space-evenly;
/*  justify-content: space-between;*/
  align-content: flex-start;
/*  align-content: space-between;*/
/*  align-content: stretch;*/
/*  align-items: flex-start;*/
  min-height: 100vh;
/*min-height: 10vh;*/
  margin: 0;
  padding: 0;
}
```

[Download footer.htm](#)

```
<script>
(function(){

  // For any of this to work, "FancyIndexing" has to be turned on in the htaccess file (by
  mentioning it in the IndexOptions), because if it's turned off there's no way to tell which
  items are folders and which ones are files.
```

```
// hide default file-listing if this JavaScript is able to run
// ... if JavaScript is disabled, display the default file-list like normal
var listingTags_ary = document.getElementsByTagName("pre");
var listingTag = listingTags_ary[ listingTags_ary.length-1 ];    // get the last <pre> tag

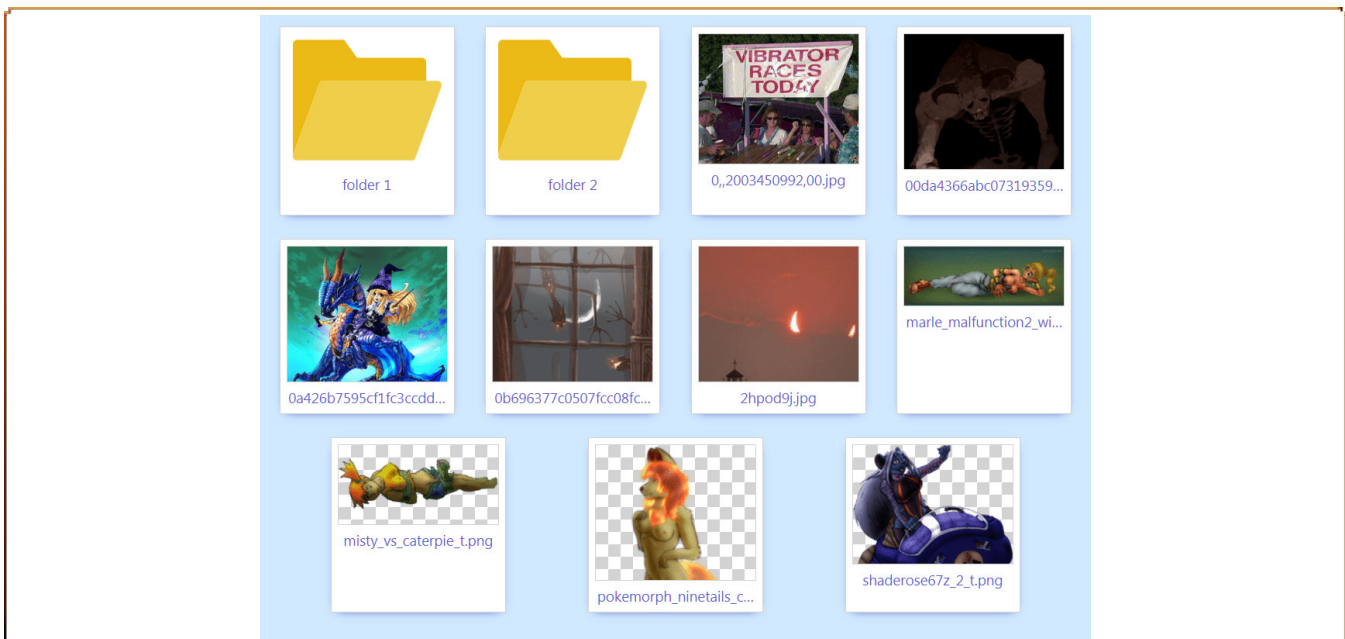
var defaultList_ary = document.getElementsByTagName("pre");
var defaultList_elm = defaultList_ary[ defaultList_ary.length-1 ];
defaultList_elm.classList.add("hidden");

// un-hide the gallery if this JavaScript is able to run
// ... if JavaScript is disabled, the fancy-gallery tag remains hidden
var gallery_elm = document.getElementById("gallery");
gallery_elm.classList.remove("hidden");

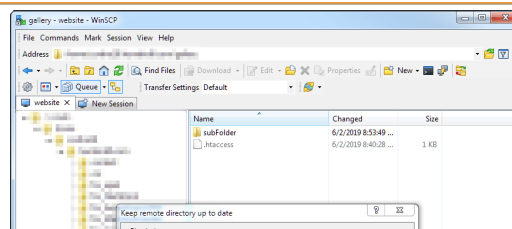
// read file listing
var imgTag_ary = defaultList_elm.getElementsByTagName("img");
var linkTag_ary = defaultList_elm.getElementsByTagName("a");
// FancyIndexing can include 4 links for changing the file-list order. If these sorting
links are present, this will skip past them. The rest of the links will correspond to each
```

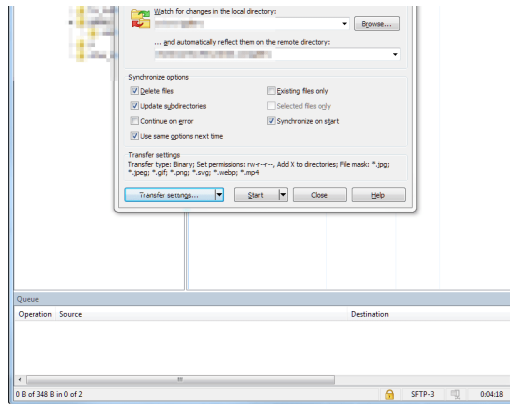
Sure enough, it all works! And I only need to upload folders with pictures.

<http://www.humbird0.com/gallery/subFolder/>



Okay so it turns out [WinSCP](#) has a feature called “keepuptodate” which watches a folder and automatically synchronizes it to a remote server when the contents change. Perfect! It won’t auto-compress my files. But then again, Dropbox didn’t do that either.





That's how you would temporarily enable syncing. But if you want to do this automatically, you can use a script instead.

I just tell my computer to automatically run this “start-gallery.cmd” file each time Windows boots, and everything is ready to go. The folder automatically syncs whenever I add files to it.

Download start-gallery.cmd

```
start "" WinSCP.exe /script="start-gallery-script.txt"
```

That CMD file just tells WinSCP run another file in the same folder called “start-gallery-script.txt” which has all the actual instructions.

Download start-gallery-script.txt

```
open connection-name
option batch continue
option confirm off
option reconnecttime off
option echo on

keepuptodate -delete -filemask="*.jpg; *.jpeg; *.gif; *.png; *.svg; *.webp; *.mp4" "C:\local\path\to\folder" "/server/path/to/folder"
```

Obviously you would change those folder paths for your setup, and you would replace “connection-name” with the name of the connection you saved in WinSCP for your website. WinSCP stays running in the background, watching your folder, with no DOS window visible.