GALLERY

A simple, file-based photo gallery

Documentation

A detailed description of every function and file used in the web application.

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PHP Classes

Album

Variables

Name	Type	Visibility	Description
name	string	private	name of the album
path	string	private	path name of the album
thumbnail	string	private	thumbnail name
files	array(string)	private	all files in image folder
images	array(object)	private	image objects
errorMessage	string	private	error Message
validExtensions	array	private	all valid extensions

Properties

Name	Type	Destination	Visibility
getName()	string	name	public
setName()	string	name	public
getPath()	string	path	public
setPath()	string	path	public
getThumbnail()	string	thumbnail	public
setThumbnail()	string	thumbnail	public
getFiles()	array	files	public
getImages()	array	images	public
getErrorMessage()	string	errorMessage	public

setErrorMessage()	string	errorMessage	public

Methods

Name	Parameters	Return	Visibility	Description
__construct()	array files (optional)	none	public	initializes the class and adds all files if given
getImagesOfAlbum()	none	int	private	ddds all images of files in an array
DisplayImages()	none	none	public	displays the images as HTML
LoadAlbum()	string data	object	public	unserializes a album object bin file
SaveAlbum()	none	bool	public	serializes the album object
CreateNewAlbum()	string albumPath	bool	public	creates folders and necessary files for a new album
checkImageArray()	none	int	private	checks how many images are in a folder
getFileExtension()	string file	string	private	gets the file extension of a file
getFileName()	string file	string	private	gets filename of a file
isFile()	string file	bool	private	checks if file is a file
getLastModifiedImage()	none	string	private	sorts images by date and returns the latest or empty image

Gallery

Variables

Name	Type	Visibility	Description
name	string	private	name of the gallery
albums	array(object)	private	album objects of gallery
albumArray	array(string)	private	album names as string

Properties

Name	Type	Destination	Visibility
getName()	string	name	public
setName()	string	name	public
getAlbums()	array(object)	albums	public

Methods

Name	Parameters	Return	Visibility	Description
__construct()	string name, array(string) albumArray	none	public	initializes the gallery and prepares the albums
DisplayAlbums()	none	none	public	displays all alums of the gallery as HTML
prepareAlbums()	none	none	private	loads all album property files

Image

Variables

Name	Type	Visibility	Description
name	string	private	name of the image
type	string	private	image type
filename	string	private	filename

Properties

Name	Type	Destination	Visibility
getName()	string	name	public
setName()	string	name	public
getType()	string	type	public
setType()	string	type	public
getFileName()	string	filename	public
setFileName()	string	filename	public

Methods

Name	Parameters	Return	Visibility	Description
__construct()	string name, string type, string filename	none	public	initializes all images and creates thumbnails

PHP Functions

Overview

Name	File
getImagesOfAlbum()	Album.class.php
DisplayImages()	Album.class.php
LoadAlbum()	Album.class.php
SaveAlbum()	Album.class.php
CreateNewAlbum()	Album.class.php
checkImageArray()	Album.class.php
getFileExtension()	Album.class.php
getFileName()	Album.class.php
isFile()	Album.class.php
getLastModifiedImage()	Album.class.php
DisplayAlbums()	Gallery.class.php

prepareAlbums()	Gallery.class.php
InitAlbum()	GetAlbumData.inc.php
MakeThumbnail()	Thumbnail.inc.php
memoryErrorHandler()	Thumbnail.inc.php
reArrayFiles()	Upload.inc.php
setInfo()	Upload.inc.php

Details

Name	Parameters	Return	Visibility	Description
InitAlbum()	none	object	public	returns the unserialized album object
MakeThumbnail()	string src, string dest, int desired_width	none	public	creates a thumbnail for the src image to make the web app load faster
memoryErrorHandler()	int errno, string errstr	none	public	error handler
reArrayFiles()	array(file)	none	public	resorts the php FILE array
setInfo()	string album	none	public	saves upload status in a file
rrmdir()	string dir	none	public	removes directory recursive

PHP Scripts

Name	Parameters	Parameter Type	Description
CheckAlbumNames.inc.php	string n	POST	Checks if album name is already used
CheckLogin.inc.php	string user, string passwd	POST	Checks if login is correct and sets session variables
CheckSetup.inc.php	none	none	Checks if setup is already completed
DeleteImage.inc.php	string delname, string album	POST	Deletes the given image
GetAlbumInfo.inc.php	none	none	Checks if albums changed
GetAlbums.inc.php	none	none	Displays the albums in gallery
GetImageInfo.inc.php	string album	POST	Checks if images have changed
GetImage.inc.php	none	none	Displays the images of an album
IsLoggedIn.inc.php	none	none	Checks if session is set
Logout.inc.php	none	none	destroys the session
Setup.inc.php	string username, string password	POST	sets new username and password to gallery
Upload.inc.php	string a	GET	uploads new images

deletealbum	string a	GET	deletes an album and its contents
download	string file, string album	GET	downloads an image
newalbum	string txtAlbumName	POST	creates a new album

JS Functions

Overview

Name	File
FireNotification()	albums.js
CheckNewAlbum()	check.js
CheckLogin()	check.js
DoSetup()	check.js
ValidAlbumCharacters()	check.js
ValidUsernameCharacters()	check.js
PasswordMatch()	check.js
IsFieldEmpty()	check.js
IsAlbumNameUsed()	check.js
InitComponents()	initComponents.js
InitIconLinks()	initComponents.js
LoadImages()	loader.js
LoadAlbums()	loader.js
Setup()	loader.js
Logout()	login.js
OpenDeleteModal()	modals.js
DeleteImage()	modals.js
getCaption()	modals.js
FireNotification()	modals.js

Details

Name	Parameters	Return	Description
FireNotification()	array info	none	fires a UIKit notification
CheckNewAlbum()	none	bool	checks the validity of the album name
CheckLogin()	none	bool	checks login fields
DoSetup()	none	bool	checks setup fields and sets new password
ValidAlbumCharacters()	string name	bool	checks album characters
ValidUsernameCharacters()	string name	bool	checks username characters
PasswordMatch()	string pw1, string pw2	bool	checks if passwords match
IsFieldEmpty()	string str	bool	checks if field is empty
IsAlbumNameUsed()	none	bool	checks if album name is used
InitComponents()	none	none	modifies uikit component lightbox
InitIconLinks()	string code	none	changes the links of lightbox
LoadImages()	none	none	loads images of an album
LoadAlbums()	none	none	loads albums of gallery

Setup()	none	none	opens modal if setup is not completed
Logout()	string dir	none	logs out the user
OpenDeleteModal()	string name	none	opens the delete modal for an image
DeleteImage()	string file	none	sends delete request to php
getCaption()	none	string	returns the current caption of a lightbox

JS Scripts

Name	Description
document.ready (albums.js)	requests notification request and fires notification on request
document.ready (fileUpload.js)	uploads a file to php
window.onload (login.js)	sets the views for login/logout
window.onload (main.js)	for loading screen
document.ready (modals.js)	requests notification request and fires notification on request

CSS

Name	Description
albums.css	css for home (gallery)
flex.css	css for google search look a like album
images.css	css for albums
main.css	main css

Files

Name	Description
albums.ini	contains all created albums (paths)
temp.info	content for notifications
properties.bin	content for current album serialized
emptyalbum.emp	picture used if album is empty
data.json	login data
setup.bin	setup control file