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Documentation

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

GALLERY

A simple, file-based photo gallery

Inhalt

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# File Structure

* abums
  + (albums)
    - images
      * emptyalbum.emp
    - thumbnails
      * emptyalbum.emp
    - GetImages.inc.php
    - index.php
    - properties.bin
    - temp.info
  + albums.ini
  + index.php
  + temp.info
* css
  + albums.css
  + flex.css
  + images.css
  + main.css
* img
  + forest.jpg
* js
  + albums.js
  + check.js
  + fileUpload.js
  + initComponents.js
  + loader.js
  + login.js
  + main.js
  + modals.js
* php
  + deletealbum
    - index.php
  + download
    - index.php
  + login
    - data.json
    - index.php
  + newalbum
    - index.php
  + .htaccess
  + Album.class.php
  + CheckAlbumNames.inc.php
  + CheckLogin.inc.php
  + CheckSetup.inc.php
  + DeleteImage.inc.php
  + Gallery.class.php
  + GetAlbumData.inc.php
  + GetAlbumInfo.inc.php
  + GetAlbums.inc.php
  + GetImageInfo.inc.php
  + GetImages.inc.php
  + Image.class.php
  + IsLoggedIn.inc.php
  + Logout.inc.php
  + Setup.inc.php
  + Thumbnail.inc.php
  + Upload.inc.php
* setup
  + setup.bin
* ven
  + jquery
    - jquery-3.3.1.min.js
  + uikit
    - css
      * uikit.css
      * uikit-rtl.css
    - js
      * uikit.js
      * uikit-icons.js
* index.php
* README.md

# 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 |