
PhotoScript

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WHAT IS PHOTOSCRIPT

PhotoScript provides a python wrapper around Apple Photos applescript interface. With PhotoScript you can interact with Photos using python. Runs only on MacOS. Tested on MacOS Catalina.

INSTALLATION

PhotoScript uses `setuptools`, thus simply run:

```
python3 setup.py install
```


EXAMPLE

```
""" Simple example showing use of photoscript """

import photoscript

photoslib = photoscript.PhotosLibrary()

photoslib.activate()
print(f"Running Photos version: {photoslib.version}")

album = photoslib.album("Album1")
photos = album.photos

for photo in photos:
    print(f"{photo.title}, {photo.description}, {photo.keywords}")

new_album = photoslib.create_album("New Album")
photoslib.import_photos(["/Users/rhet/Downloads/test.jpeg"], album=new_album)

photoslib.quit()
```


4.1 photoscript package

4.1.1 photoscript.photoscript module

class `photoscript.photoscript.PhotosLibrary`

activate ()

activate Photos.app

album (**name*, *uuid=None*)

Album instance by name or id

Parameters

- **name** – name of album
- **uuid** – id of album

Returns Album object or None if album could not be found

Raises: ValueError if both name and id passed. Must pass only name or id but not both.

album_names (*top_level=False*)

List of album names in the Photos library

Parameters **top_level** – if True, returns only top-level albums otherwise also returns albums in sub-folders; default is False

albums (*top_level=False*)

list of Album objects for all albums

create_album (*name*)

creates a top level album

Returns Album object for newly created album

folder_names (*top_level=False*)

List of folder names in the Photos library

Parameters **top_level** – if True, returns only top-level folders otherwise also returns sub-folders; default is False

property **frontmost**

True if Photos.app is front most app otherwise False

import_photos (*photos*, *album=None*, *skip_duplicate_check=False*)

import photos

Parameters

- **photos** – list of file paths to import
- **album** – optional, name of album to import into (album must exist in Photos). May also be an Album object.
- **skip_duplicate_check** – if True, Photos will not check for duplicates on import, default is False

property name

name of Photos.app

photos (*search=None, uuid=None*)

List of Photo objects for items in the library Note: for a large library, calling photos() may run a *very* long time (minutes)

Parameters

- **search** – optional text string to search for (returns matching items)
- **uuid** – list of UUIDs to get
- **may pass search or uuid but not both** (*you*) –

Returns List of Photo objects or [] if no photos found

Raises: ValueError if both search and uuid are passed

quit ()

quit Photos.app

property version

version of Photos.app

class photoscript.photoscript.**Album**(*uuid*)

export (*path, original=True, edited=True, timeout=120*)

Export photos in album to path

Parameters

- **path** – path to export to
- **original** – if True exports original photo
- **edited** – if True, exports edited version, if one exists
- **timeout** – number of seconds to timeout waiting for Photos to respond

Returns list of names of exported photos

import_photos (*photos, skip_duplicate_check=False*)

import photos

Parameters

- **photos** – list of file paths to import
- **skip_duplicate_check** – if True, Photos will not check for duplicates on import, default is False

property name

name of album

property parent_id

parent container id

property photos

list of Photo objects for photos contained in album

property title

title of album (alias for Album.name)

property uuid

UUID of Album

class photoscript.photoscript.Photo(*uuid*)

property date

date of photo as timezone-naive datetime.datetime object

property description

description of photo

export (*path*, *original=True*, *edited=True*, *timeout=120*)

Export photo

Parameters

- **path** – path to export to
- **original** – if True exports original photo
- **edited** – if True, exports edited version, if one exists
- **timeout** – number of seconds to timeout waiting for Photos to respond

Returns name of exported photo

property filename

filename of photo

property keywords

list of keywords for photo

property name

name of photo

property title

title of photo (alias for name)

property uuid

UUID of Photo

INDICES AND TABLES

- `genindex`
- `modindex`
- `search`

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