FriendlyPics Documentation

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CHAPTER

ONE

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1.1.1 friendlypics package

Subpackages

friendlypics.scripts package

Submodules

friendlypics.scripts.fpics module

friendlypics.scripts.fpics.**configure_logger**()
Configures the default logging subsystem for the tool

Module contents

Submodules

friendlypics.file_object module

class friendlypics.file_object.**FileObj**(*path*)
Bases: object

Abstraction around an arbitrary disk-based file

This interface provides common functions used by our image processing scripts for interacting with files of various types, typically containing raster image data

Args: path (str): path to the file to manage

checksum
str: sha checksum of the file

convert_progressive()
Helper method that converts a progressive encoded JPEG to a non- progressive format

copy_to(*target_dir*)
Copies this file to a secondary location

NOTE: This FileObj instance will still point to the original file as it existed before the copy.

Args: target_dir (str): path to the folder to copy the file to

Returns: FileObj: reference to a new file object describing the copied file

creation_date
datetime.datetime: date the file was created

delete()
deletes this file from disk

NOTE: This FileObj instance will still point to the original file as it existed before the deletion, therefore calling this method effectively invalidates this instance of the class. No further operations should be made against this instance after calling this method.

filename
str: the file name without preceding path characters

is_image
bool: checks to see if this file is a known image file format

move_to(*target_dir*)
Moves this file to a secondary location

This can be faster for large files that are stored on the same disk or file system since the data can remain at rest and simply the file allocation table gets updated

NOTE: This FileObj instance will still point to the original file as it existed before the move, therefore calling this method effectively invalidates this instance of the class. No further operations should be made against this instance after calling this method.

Args: target_dir (str): path to the folder to move the file to

Returns: FileObj: reference to a new file object describing the moved file

path
str: absolute path to the file managed by this object

friendlypics.manifest_file module

class friendlypics.manifest_file.**ManifestFile**(*file_name*)
Bases: object

Interface for manipulating a friendlypics manifest file

Args: file_name (str): path to the manifest file to parse

add_entry(*file*)
Adds a new entry to the manifest

Args: file (FileObj): file to reference in the manifest

contains(*file*)
Checks to see whether a file exists in this manifest

Args: file (FileObj): file to locate

Returns:

bool: True if there is any file with a matching checksum file to the source file tracked by this manifest file, False if not

find_matches(*file*)
Locates any files defined in this manifest that match a source file

Args: file (FileObj): file to locate

Returns:

list: 0 or more files that match either the checksum or the file name of the source file. Typically returns 0, 1 or 2 matches. 0 if there are no similar files in the manifest. 1 if there is a file with the same name and/or the same checksum as the source file. 2 if there is both a file with the same file name but a different checksum AND a file with the same checksum but a different filename.

path
str: path to the manifest file managed by this object

friendlypics.version module

Module contents

CHAPTER

TWO

OVERVIEW

This is a command line utility I created to perform some common image operations that I tend to do regularly allowing me to do those operations faster and with fewer steps. One of the most helpful functions is the "sort" command which takes a source folder filled with images and sorts all images found (recursively) into folders sorted by year. The sort command also does optimizations as well like looking for duplicate and renamed files and eliminating the duplicates.

I've mainly hosted this on GitHub to make it easier for me to find and deploy the source onto several machines, but in case anyone else finds this project helpful and would like to contribute feel free to reach out with comments or suggestions.

CHAPTER

THREE

QUICK START GUIDE

1. First, and most obviously, you must have Python installed on your system. For details specific to your OS we recommend seeing Python's website. Currently this tool requires Python v3.6.0 or newer to run.

1. Install FriendlyPins directly from PyPI using PIP:

```
# pip install friendlypics
```

1. start using the friendlypics command line interface

```
>>> fpics --help
```

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