GUI Legend

☐ Buttons

☐ Text box with initial value that user can overwrite

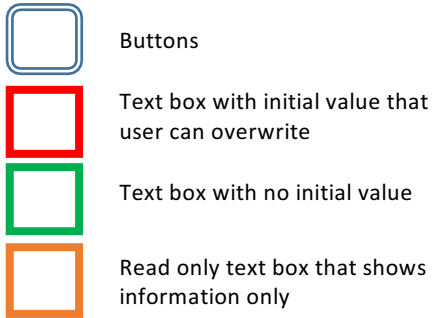☐ Text box with no initial value

☐ Read only text box that shows information only

Buttons

Source Folder: open Finder to allow user to navigate to the folder where the files for copying are located. The full file path will be show in the 'source file path' box

Target1 Folder: open Finder to allow user to navigate to the folder where the files will be copied to. The full file path will be show in the 'target1 file path' box

Target2 Folder: open Finder to allow user to navigate to the folder where the files will be copied to in addition to Target1 files . The full file path will be show in the 'target2 file path' box

Transfer: this button automates a series of steps that are covered in detail in the following page

Graphical User Interface

Source Folder	Volume:	volume
Target1 Folder	Folder:	folder1
Target2 Folder	Folder:	folder2
	Files to copy:	*.*
	Creation Time offset:	86400

Source: Source file path

Target1: Target1 file path

Target2: Target2 file path

Transfer

Functionality

Volume: in a text box show the user the disk volume related to the source destination. You need to get this value by interrogating the system for the value. Allow user to update this value if they choose to

folder1: user enters a folder name for target1 destination

folder2: user enters a folder name for target1 destination

Files to copy: allow user to enter the file types to copy from the source to both Target1 and Target2. The values that will be entered will be wildcard type values.

Creation Time offset: this is a positive or negative number that is the number of seconds to add/subtract to the file creation date for each file in the transfer process. The new calculated creation date value is also to be used in the file naming that occurs automatically in the transfer process.

Source: this shows the full file path of the source that was selected when the user selected the Source Folder button. It will also show the "files to copy" based on the value entered in the Files to copy box.

Target1: this shows the full file path including the folder1 value where the transfer process will copy to. It is read only value and is derived by the Target1 Folder selected and the folder1 that will be created. If the user changes the folder1 value (green box), this value will update accordingly.

Target2: this shows the full file path including the folder2 value where the transfer process will copy to. It is read only value and is derived by the Target2 Folder selected and the folder2 that will be created. If the user changes the folder2 value (green box), this value will update accordingly.

Transfer

Required automation (once transfer starts there is no user intervention)

Steps 1-5 shown below with 2 examples

1. Create the folders on target1 and target2
2. For each file being copied based on the filename pattern…
3. Do not change the source file name or attributes
4. TARGET1: Rename the file to:
   {adjusted create date "yyyymmdd"}{-}{adjusted create time "hhmm"}{_}{source volume}{_} {filename}
5. TARGET2: Rename the file to:
   {adjusted create date "yyyymmdd"}{_}{filename}

6. After copying / renaming is complete ask user if files copies from source can be deleted (y/n)
7. If yes, delete, if no exit the program

Example 1

Source Files
Located on SD card with volume GOPRO03

Filename	File creation date
IMAGE0918.jpg	10 June 2016 5:17pm
IMAGE0920.jpg	11 June 2016 8:13am
IMAGE0921.rw2	11 June 2016 7:12pm

Files to Copy: *.*
Creation Time Offset: 86400 seconds

Target 1 Files

Filename	File creation date
20160611-1717_GOPPRO3_IMAGE0918.jpg	11 June 2016 5:17pm
20160612-0813_GOPPRO3_IMAGE0920.jpg	12 June 2016 8:13am
20160612-1912_GOPPRO3_IMAGE0921.rw2	12 June 2016 7:12pm

Target 2 Files

Filename	File creation date
20160611_IMAGE0918.jpg	11 June 2016 5:17pm
20160612_IMAGE0920.jpg	12 June 2016 8:13am
20160612_IMAGE0921.rw2	12 June 2016 7:12pm

Example 2

Source Files
Located on SD card with volume GOPRO03

Filename	File creation date
IMAGE0918.jpg	10 June 2016 5:17pm
IMAGE0920.jpg	11 June 2016 8:13am
IMAGE0921.rw2	11 June 2016 7:12pm

Files to Copy: *.jpg
Creation Time Offset: -12600 seconds

Target 1 Files
Located on SD card with volume GOPRO03

Filename	File creation date
20160610-1347_GOPPRO3_IMAGE0918.jpg	10 June 2016 1:47pm
20160611-0443_GOPPRO3_IMAGE0920.jpg	11 June 2016 4:43am

Target 2 Files

Filename	File creation date
20160611_IMAGE0918.jpg	11 June 2016 5:17pm
20160612_IMAGE0920.jpg	12 June 2016 8:13am