

The Grund Utilities

Vers 3.5

User Manual

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The Grund Utilities

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The Grund Utilities

Introduction

The Grund Utilities is a collection of programs that will make managing your data easier.

It includes facilities to flatten directories, find duplicate files, find empty files and directories, search for files, produce an enhanced directory, and transfer pictures. There are plans to include more functionality.

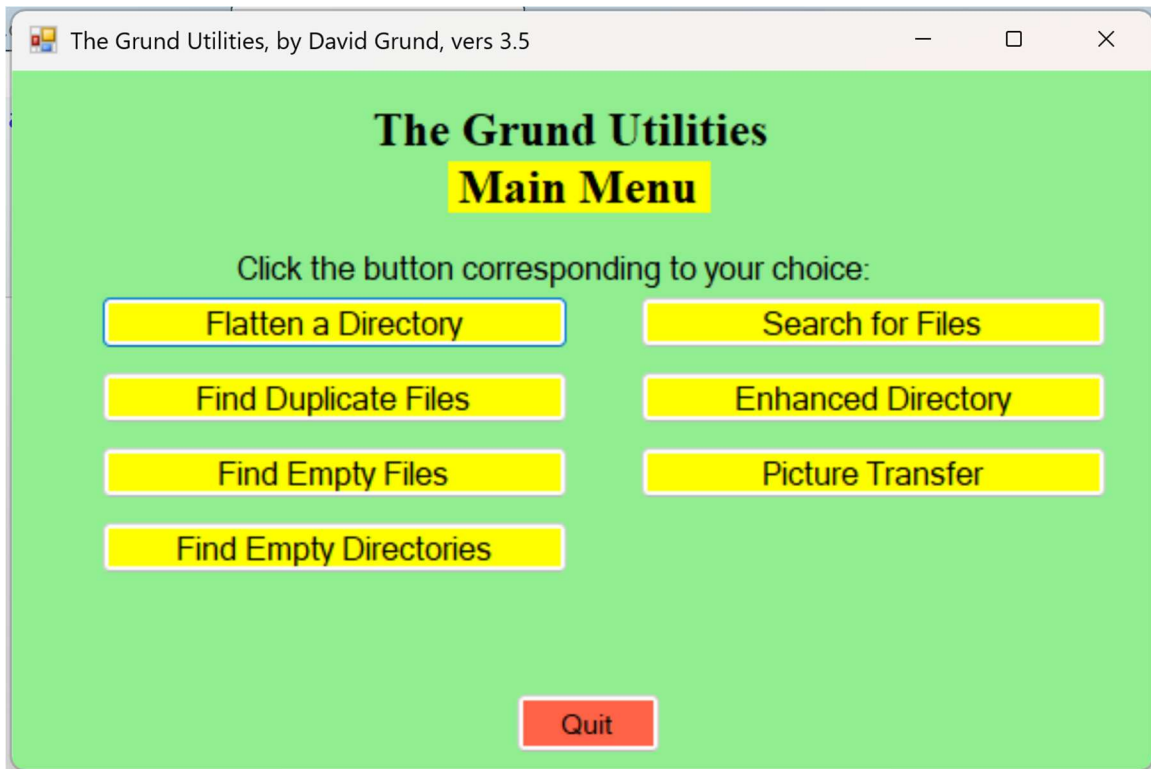
I use this program often. This way, I can stay on top of any bugs that crop up, and I am in tune with any developments that need to be made. Besides, I felt that it would be a terrible shame not to share this program with the world (hence the documentation).

I have not wasted a lot of time putting in all kinds of little features and functions that very few people, if anybody, will ever use. That results in bloatware. This program is small and fast.

I will entertain ideas for enhancements, bug reports, suggestions, comments, etc. Please contact me at support@davidgrund.com. Technical support is available for free, on a limited basis.

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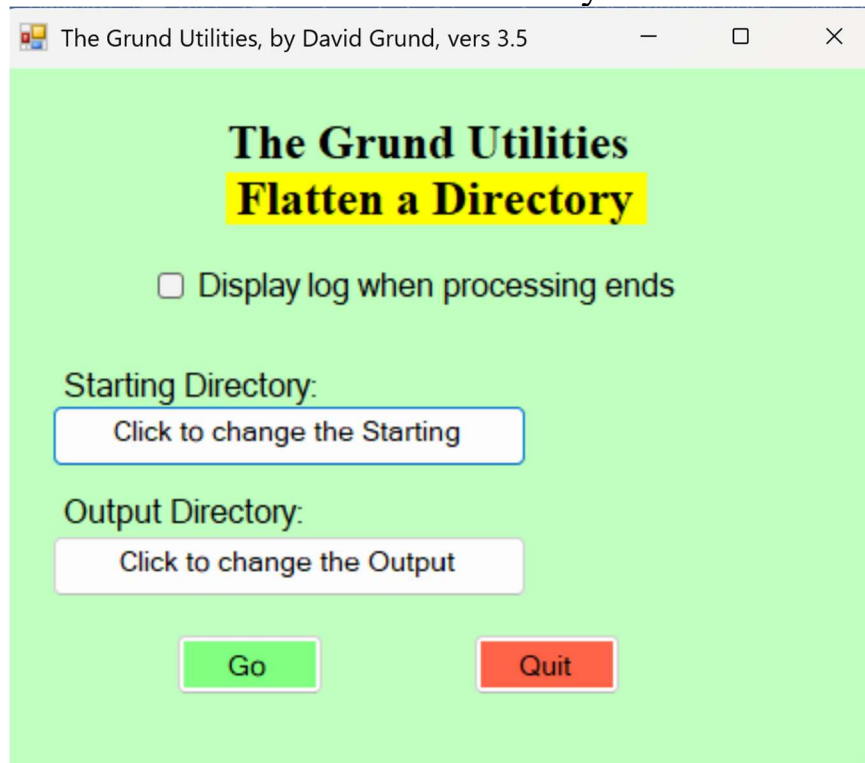
Main Menu



Select any of the functions by clicking on the corresponding (yellow) button.

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Flatten a Directory



This function will “flatten” a chosen directory.

Flattening a directory means taking all the files that are buried inside subfolders of the Starting Directory, and copying them into a single folder (Output Directory). When it is done, it will ask you if you want to delete the individual files that it copied.

Click the “Display log...” check box if you want the program to automatically display the program log (Logfile.txt) when this function has completed.

Starting Directory is the directory that contains all of the input subdirectories

Output Directory is the directory that will contain all of the “flattened” files.

The program log is written to the Output Directory indicated above.

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Find Duplicate Files

The Grund Utilities
Find Duplicate Files

☐ Display log when processing ends

Starting Directories

☐ (not supplied) ☐ (not supplied)

☐ (not supplied) ☐ (not supplied)

☐ (not supplied) ☐ (not supplied)

☐ (not supplied) ☐ (not supplied)

Click the name to change one.

Output Directory:

Click the name to change it.

Click the bar corresponding to your choice:

Duplicate by (Size and) Contents

Duplicate by Filename, Date, and Size

Quit

This function will find all of the files whose content exactly matches that of another file. It will look at ALL of the specified directories, so the function can be very comprehensive.

Click the “Display log...” check box if you want the program to automatically display the program log when this function has completed.

The program will write a file of delete commands, called DeleteCmds.txt, to the Output Directory. This is actually a “Batch” file. If you want to delete all of the duplicate files that the program found, simply rename that file to end in .bat, and run it. If you don’t understand what that means, then you have no business deleting files. 😊

The file is written as .txt to prevent unintentional deletion of files.

The log (Logfile.txt) is written to the same Output Directory.

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Find Empty Files



This function will find all of the files that have no content, and are therefore zero-length.

A delete file is not created. It is not a good idea to arbitrarily delete these files. Their existence may represent something to the application.

Click the “Display log...” check box if you want the program to automatically display the program log when this function has completed.

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Find Empty Directories



This function will find all of the directories that have no subdirectories.

The program will write a file of delete commands, called DeleteCmds.txt, to the Output Directory. This is actually a “Batch” file. If you want to delete all of the empty directories that the program found, simply rename that file to end in .bat, and run it. If you don’t understand what that means, then you have no business deleting files. 😊

The file is written as .txt to prevent unintentional deletion of directories.

Deleting empty directories may result in directories *becoming* empty, so the program may have to be run several times before all of the empty directories are cleaned up.

Keep in mind that sometimes a directory is created as empty by an application intentionally, so these should not be deleted arbitrarily.

The log (Logfile.txt) is written to the same Output Directory.

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Search for Files

The Grund Utilities
Search For Files
Get Input Directory Names

☐ #1
☐ #2
☐ #3
☐ #4
☐ #5
☐ #6
☐ #7
☐ #8

Continue Return

This function allows you to search for files whose names contain certain conditions.

You can supply up to 8 directories to search, to save the names, but only one will be active at any time.

After you press “Continue”, you will be taken to a screen that allows you to supply the criteria and conditions.

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Search For Files
All supplied fields are treated as AND; blank fields = ALL data

Processing directory D:\Data

Directory Name File Name File Attributes

File Size from to inclusive Date Last Modified ☐ ALL or from Thursday, September 10, 2026 to Thursday, September 10, 2026 inclusive

Stop after records read I will tally the records read here

Stop after matches found I will tally the matches found here

Search Exit

Directory Name	FileName	FA	FileSize	DLM
*				

After you press the “Search” button, the program will start reading files, and comparing the names to the conditions that you supplied on the form.

All fields are treated as “AND”. In other words, everything you supply must match before a record is considered “found”.

If you supply a directory name, the program will search for all directory names that CONTAIN that input. If you leave this field blank, the program will accept ALL records as matched.

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If you supply a file name, the program will search for all file names that CONTAIN that input. If you leave this field blank, the program will accept ALL records as matched.

All searching is case-insensitive. That is, if you look for a file name called “work”, the program will also list file names called “WORK”, and “WoRk”.

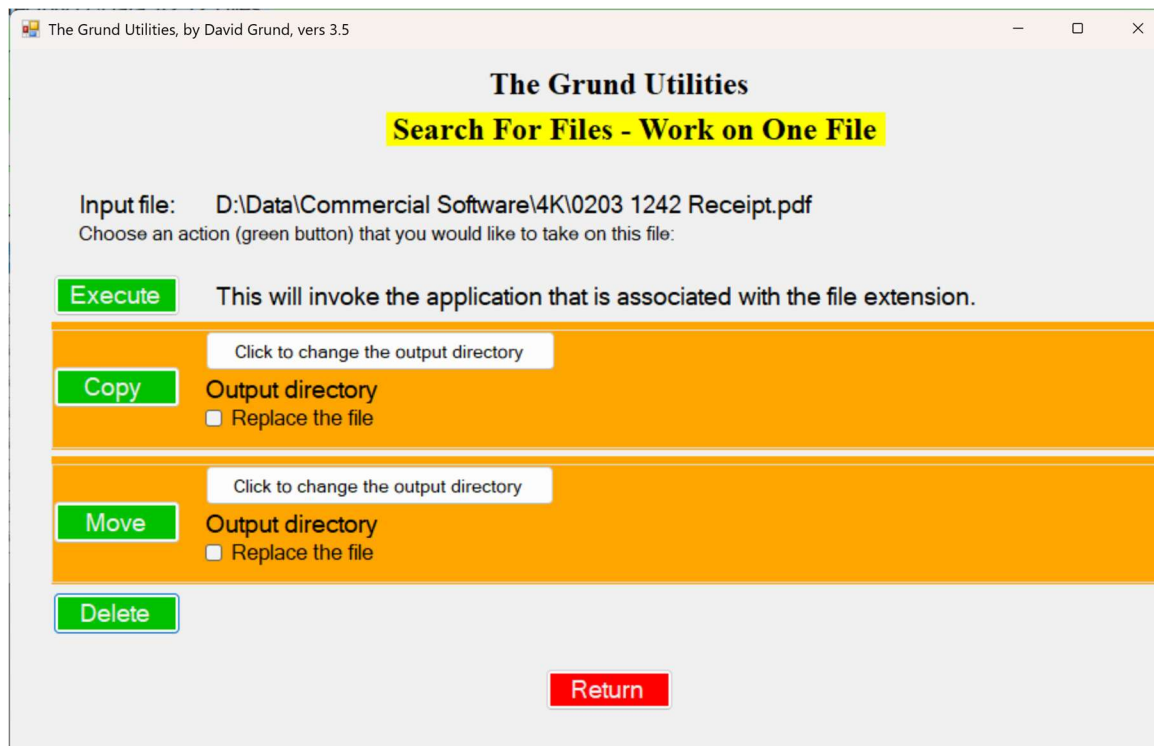
You can limit the search to files of certain sizes.

You can limit the search to files that were last modified between certain dates. Click the “Date Last Modified” check box to remove the search on that date.

And finally, you can make the program stop searching after a certain number of records is read, or a certain number of matches is found.

Currently, once the program starts searching, you cannot stop it (except to cancel it using the Windows Task Manager). I will change this once I figure out a clean way that does not slow the program down drastically.

When it is done searching, it will display a grid. You can click on any of the file names to do further processing of the file. Then, the following screen appears:



You can Execute the file, copy it, move it, or delete it from here.

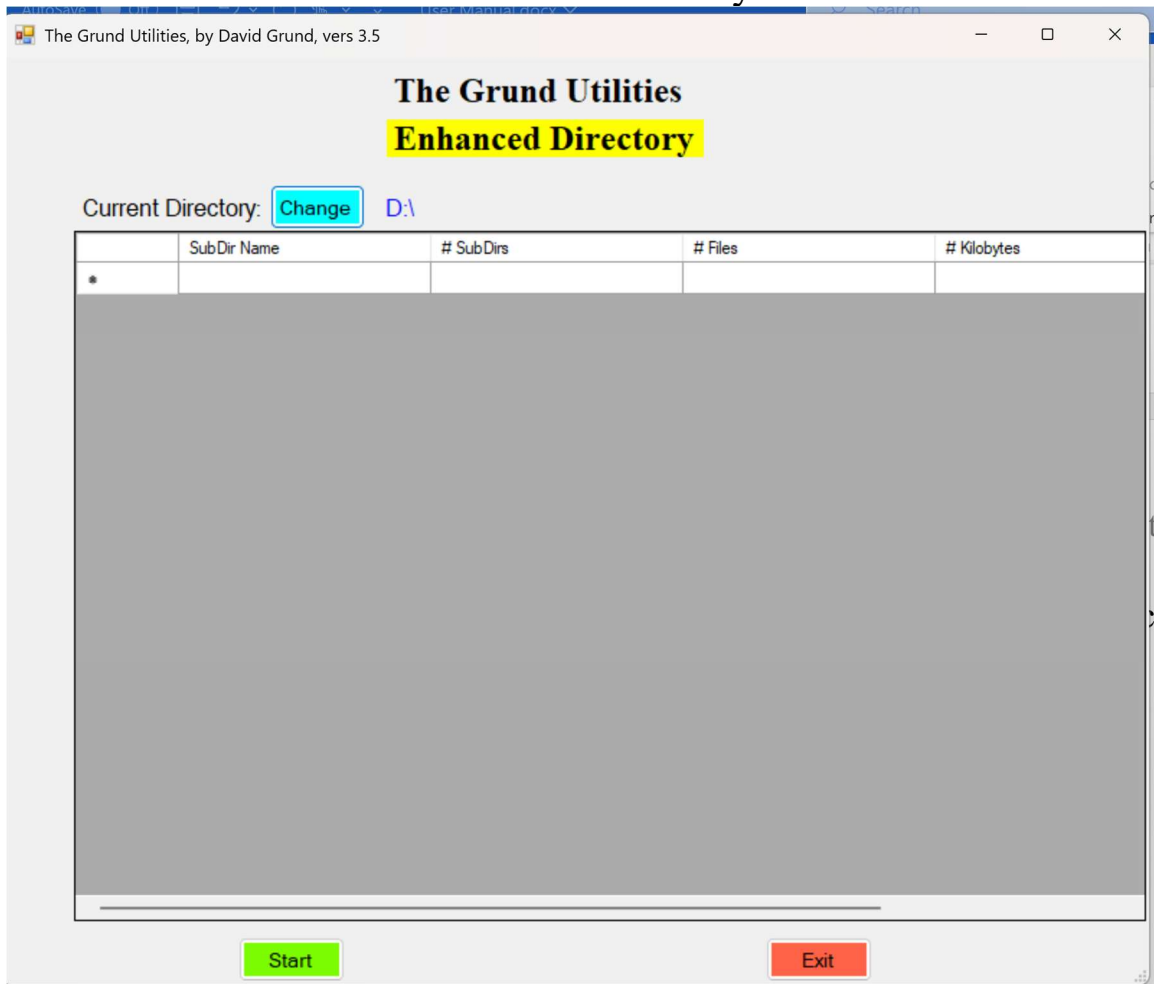
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Execute means that the program will invoke the Windows application that is associated with that particular file extension. For example, the most common extension for a text file (.txt) is Notepad, so if you click the button for a text (.txt) file, Notepad will open it. If the file you found has an extension of .exe, and you click the Execute button, that file will RUN.

To copy or move a file, you will first need to specify the output (destination) directory.

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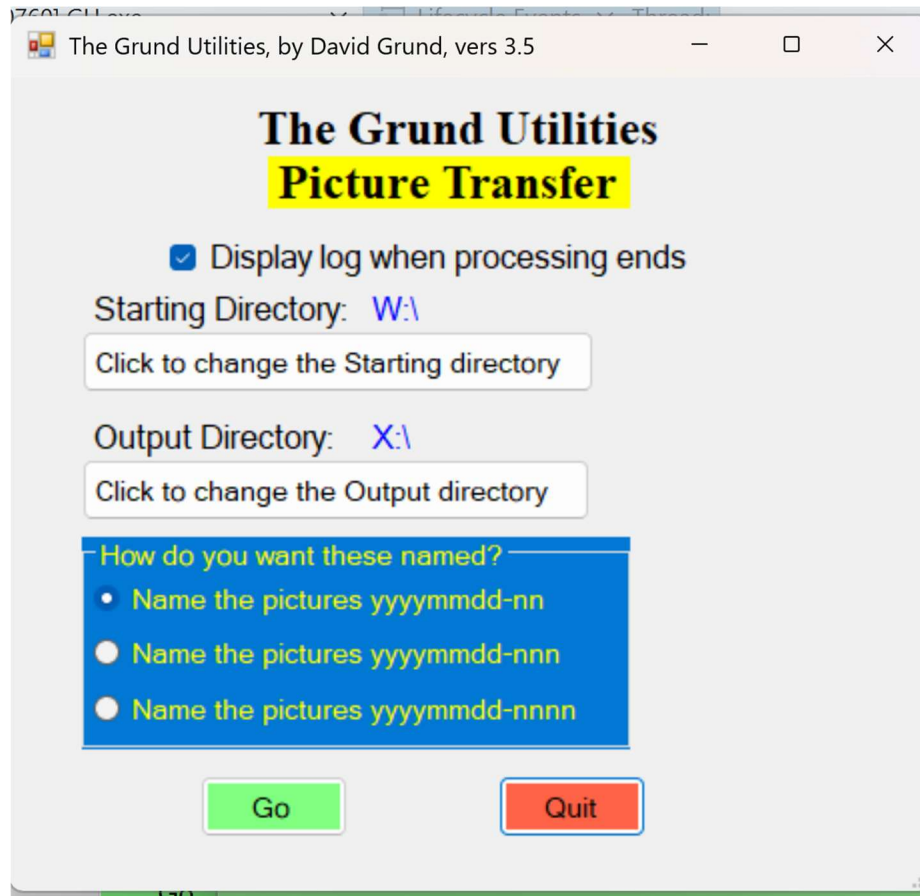
Enhanced Directory



This function will count the directories and files in the “Current” (starting) directory, and display those counts.

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Picture Transfer



Use this function when the pictures you took are on an SD card, and you want to copy them to your computer in an organized fashion. This function will copy your pictures, and name them with the dates that the pictures were taken. You can choose either of three naming methods, depending on how many pictures are on the card for any given day. You typically have fewer than 100 pictures on a day, so you'll use the top choice (with the two-digit suffix) most often.

After the pictures are copied, you'll have the option to delete them from your SD card.