DIRNOTES
for
Windows

Corel Systems Corp, 1990
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Description

This is a tiny Windows app which allows the user to add annotation to his directories. For compatibility with `DIRNOTES.COM`, this app allows up to 38 characters to be associated with each file.

The notes are stored in a file called `DIRN-xxx.DAT` where xxx is the first three letters of the directory name. If the name is less than 3 letters, '-' is used. For example, for the root, the note file is called `DIRN----.DAT`. The format for this file is identical to that used by `DIRNOTES.COM`, a popular DOS program.

When the program is run, it first checks the command line for a file name. The name is split into disk+path, and filename. The disk+path is used to locate the relevent notes file. If the notes file does not exist, it is created. The filename is used to search within the notes for the relevent entry; the exception is filenames that match "`DIRN-???.DAT`", which not used to search.

There is an edit box at the top of the screen, into which the comments are duplicated. The user may modify the 38 characters of the comments, in this box. Any scroll activity in the listbox will take away and save the comments from the edit box.

The menu for this app is simply:

- File
  - Exit/Update
  - Quit/NoUpdate
  - About
- Edit
  - Undo
  - Cut
  - Copy
  - Paste

NOTE: the edit box has been subclassed, so that the Up/Dn/PgUp/PdDn arrows scroll the list box. The Directory list box has been subclassed so that the space bar acts as if you double-clicked.

Program Structure

Startup

-register the windows class
-wake up the main and child windows
-fill them with data
-message loop

The main window is created through *CreateDialog*(). This allows us to specify the shape of the child elements in the .RC file. Since it should look-and-feel like a dialog, the *IsDialogMessage*() is called in the message loop.

At exit time, the sub-classing proc-instances are freed.

Main WndProc

Since the program acts like a dialog box, we don't bother painting. The only messages we pick up are:

`WM_SIZE`:	to adjust the size of the list box
`WM_DESTROY`:	to do auto-save
`WM_SETFOCUS`:	so that it wakes up "ready-to-type"
`WM_INITMENU`:	to grey out certain entries
`WM_COMMAND`:	to recieve messages from the children & menu

Wakeup

The WakeUp() code calls the *CreateDialog*() to start up the main window and the three children. It then measures the system font and the fixed-space system font, to adjust windows sizes. It also configures the child boxes:

edit box:	limit text entry to 38 characters
file list box:	use a fixed-space font

and then it subclasses the edit box and the directory box

FillListBox

When the correct directory is known, a dir is done, using the *_findfirst*(), *_findnext*(). The result is *wsprinted* into the main list box, and sorted as it's entered.

Each entry in the dir-pool has a capital '`U`' appended to it (at column 40).

The relevent notes file is read into ram and parsed on the fly, into fixed length records. As the records are read in, they're compared to the entries in the main list box. Non-matching entries are discarded. Matching entries are checked for identical length and date. If the dir-pool date/time is the same as the old-pool date/time, the '`U`' is cleared to a blank. Any existing comments are moved from the input file into the list box.

When all the records are moved over, the windows are displayed, showing the filename, extension, size, date, time, new-marker and comments. If the program was started with a specific file, the list box is scrolled to that entry.

Note: in this program, directories are included in the listing, where they are not in the DOS program `DIRNOTES.COM`.

CopyComments

Every time the user scrolls the entry in the file list box, we move the comments from the edit box into the corresponding entry in the list box. The flag *fLocalDirty* indicates whether the comments have been modified. Note that when you replace an entry in a list box, you must `WM_INSERTSTRING` before you `WM_DELETESTRING`. Note also that we push and pop the global flag *fDirty*, since the act of stuffing the edit box will cause the *fDirty* flag to be set, which is not significant.

NewDir

If the user changes directories, we first save the old comment file (if it has been touched: *fDirty*). Then we get the new directory and parse it for the comment-file-name, and the re-fill the list box.

The rest is self expanitory.

Typical comment file.

```
43         COM        24   4-11-89  11:23p  my 43 line mode change
A          DOC      2384   3-13-88  12:07a  quick subdir goto
A          EXE     11178   3-12-88   8:18p
C          EXE     10544   7-12-89   4:56p  file print formatter
CAL        EXE     11088   7-12-89   4:56p
CAT        COM       512   6-08-84   3:20p  dir by type
CED        COM      7040   1-01-80   2:42a
CO         COM      3990   6-01-88  12:00p  copy files
COMM       COM      1908   6-04-85   8:37p
CRC        COM      1536  10-21-82   5:50p
CS         COM       119   6-01-88  12:00p  clear screen
DEBUG      COM     15552   6-23-86   1:01p
DI         EXE      9596   1-03-89   4:51p  disk info NORTON
DIFF       COM     33776   2-02-88   8:32a  file compare
DINSTALL   COM      3988   4-15-88  12:00p
DIRMAGIC   COM      8496   2-21-89  10:05a
DIRN-UTI   DAT     14661   5-15-90  10:59a
DIRNOTES   COM      1697   6-01-88  12:00p
DM         COM      4421   4-15-88  12:00p
DR         COM      3793   6-01-88  12:00p
DRM        COM      3976   9-27-89  12:51a
EXES           <DIR>     11-12-88  12:00a  my exectables
FA         EXE      9334   1-03-89   4:51p  NORTON file attrib
FC         EXE     14576   5-15-85  12:00a  file compare
FC20       ZIP     33546   4-06-90  10:23a
FCN        EXE     44382   3-21-90  12:00a  ascii file compare
FD         EXE     10446   1-03-89   4:51p
FF         EXE      9042   1-03-89   4:51p
FFIND      EXE     12441  11-07-89   9:53p  function finder for C code
FI         EXE     18466   1-03-89   4:51p  file info
FILEINFO   FI       3217   1-03-89   4:51p
FR         EXE     44670   1-03-89   4:51p  format recover NORTON
FREE       COM       343   6-05-86  10:54a  show free space on disk
FS         EXE      9242   1-03-89   4:51p
```

```
FV       COM     6180   3-22-90   1:17a  view compressed file names
WSHELL1  ZIP     8915  11-26-90  10:11aU WIN one-line shell
```