Overview

The Project Sorter (PRJSORT) application is a utility for sorting Borland Project Files, RC Include Headers, and String Table resources. It is a drop-file client (i.e. you drag a file from a drop-file server, like File Manager, and drop it on the application icon). When you run PRJSORT, it will run as an icon on your desktop. Open File Manager and drag a PRJ file, H file, or STR file to the application icon. You can also drag more than one file to the icon at the same time.

Sorting Borland Projects

The Project Sorter sorts the module section of the Project file, retaining all information associated with the original. The original project file is backed up to an extension of .~PR. The Modules are sorted in the following order:

1. File extension.
2. File path.
3. File name.

Please make sure that your project file is not open before sorting.

Sorting RC Include Headers

RCINC.H is a file that contains all the resource ids of the resources used in the project (for more information see OWLGEN documentation). It is important to ensure that resource ids are not duplicated on the same dialogs, but it is sometimes tough to keep track of the resource numbers that you are assigning names to. Failure to maintain unique numbers can cause resource errors during runtime. This is where the Project sorter comes in. It renumbers all the resource ids in the *rcinc.h* file starting at 101, thus eliminating any possibilities of resource id duplication.

The Sorter will accept any .H file, but will echo any item not is not a *#define* to the top of the sorted header. It then sorts the names of the *#defines* and outputs the new numbered sequence. The sorter will make a backup of the header file before sorting, with a .~H extension.

You will not want to include certain items in the *rcinc.h* file if you are going to sort it. They are:

1. Message definitions, such as "#define WM_BUTTONCLICKED (WM_USER + 1)".
2. BMP Resources IDs, where the ID is dependent upon the video mode.
3. Any other identifier whose value is required to remain unchanged.

These resources should be conatined in an auxilarily header, such as *globals.h,* which can be included into *rcinc.h*. The #include line will be echoed to the top of the sorted header, thus insuring the inclusion of the identifiers into rcinc.h while maintaining their assigned values.

Sorting String Table Resources

Another candidate for exclusion from the RCINC.H is String Table Identifiers. The identifiers should be grouped into sixteen (16) string segments that contain items that you would like in memory at the same time to optimize performance. The sorter will sort the String Table Identifiers based on the name of the identifier and not based on any optimization technique. So, if you wish to maintain control over which identifiers go into each segment, you should add them to *globals.h* to ensure that they retain their assigned values.

However, if optimization is not an issue or if you wish to assign identifiers in such a manner that some optimization may be achieved though contiguous identifiers, you can keep the String Table identifiers in the *rcinc.h* file and use the project sorter to have the String Table reflect the order of the identifiers.

To sort string tables, the string tables should be included into the resource project as a resource file with a .STR extension. Drag the .STR file to the project sorter. It will be sorted and a backup will be made of the original file, giving it a .~ST extension.

Files

The following files should be included:

prjsort.wri	This file.
prjsort.exe	The Borland C++ Project Sorter