File System Components

Main Memory Components:

FILE structure similar to Windows', containing the file pointer, name, and other management info.

Open file list, possibly linked list of FILEs since number of open files should be relatively small.

Garbage collector thread? Woken on failure to find space, or possibly during low use times.

Secondary Memory Components:

File allocation table. Each record contains a name, location, size, etc.

Free space allocation, either table or free block list.

Used (allocated then deallocated) space table, to enable cleanup/garbage collection.