mount_umount.c

int

mount (char *filesys, char *mn+ Point)

// ask for filesys + mn+point in main

If the USEN didn't supply parameters, I dis play all current Mounted systems from the samphtuble arroy. Next, I run through the MTable arroy to Check if the filesys is already mounted. It it is, I return with an error, if not I allocate a new entry in the Mtable array for our filesys were trying to mant. Next, I open the filesys for read/write unser linux and check to make sure filesys is an Ext2 filesystem. I load the mathematical filesys is an Ext2 filesystem. I load the mathematical filesys is and check it is a DIR and not currently Busy. Next, I set the mount table entry information and through a local mantpet pointer. Currently and complete and check it is a DIR and not currently Busy. Next, I set the mount table entry information and through a local mantpet pointer. Currently and local mantpet pointer. Currently and local mantpet pointer. Currently and local mantpet pointer. Return 0 for sucress.

int

umount (char * filesys)

First, I Search through the 944 Mtable array to the CK that user Provided filesys is a currently mainted system. I Point a local Mantable entry (mit) at the Mtable entry in the array, return error if the filesys isn't mounted. I then muhe sure the mnt -> der disnit the as the cud -> der. If so, I return error. I also ron through all open files to moke sure none of them belong to out tilesti (some gen umper). It any go, I leturu ou outol. Lastly, I reset the mount point's INODE dev to and mounted flag before Calling i put and returning for Sucgess,

Dannbord Troversal

-when traversing laborely, once we reach labor, we should see that

the minode has been mounted (mountflog = 1), we must

I) Follow minode's matter to larte mount table entry

2) From mount tables dev number, get root (ino = 2) INODE into momory.

3) Than continue to search for X year root Inode of mounted derice.

2) Upward Traversal

- Assume we're at laborely than we reach loot Inode of mounted tilegres we see (ino = 2) but lev is different transcent root. Using it solv numbers we locate its mount trade entry which points to laborely, we switch to minuse of various.