Student_____

The Online Grade Book Project

Date: _____

Your File Manager, Version 4:

Expected completing day: Tuesday May 17, finish for homework as needed

Project Notes :

Be sure to read all of the handouts you have received for the project. Both teams have fallen behind schedule with the main reason being that not all project members have read the project requirements and followed the directions for completing assignments. You are responsible for reading the posted agenda on the class web site each day and completing the homework on time. Take advantage of the resources that you have available for successfully completing the project.

Version 4 File Manager Requirements

Implement a ***logical*** delete for records in your file. From the requirements document:

when "-D" perform a logical delete – multiply the ID key field by -1 to mark it as deleted – all deleted records will remain in the data file. Update the deleted record in the file.

What this means:

1. From the command line you should be able to issue the command
   ./FileMgr -K n –D
   to delete the record
2. When your program encounters a –D command, your program should
   a. make sure that a key has been specified with the –K n option
   b. Locate the specified record in the file
   c. Update the key field (such as a sis field in the Student record) to make it negative
   d. rewrite the record back to the file
3. Your program does not need to update the FTOC because the number of records in the file has not changed.
4. Your program should return "0" if the record specified can not be found in the file.
5. You should test by adding a new record, then deleting it, then verifying that it has been deleted using the –R commands; you should also try to delete the same record multiple times.
6. Update your help screen to indicate that the delete command is available.

Project Review:

1. Make sure that all of the functions that you list in the help screen (main menu) are functional.
2. Make sure that someone from your project team has verified that all of the functions listed in your help screen are functioning correctly.
3. Verify that a project team member's program is operational for each function listed in their help screen. Make a hard-copy check list to turn in on Tuesday.