



1. Menu that asks what they want to do

a. See all -leads to edit/delete

- i. Shows all files
- ii. Options
 1. See all parts of one file.
 2. Edit/delete a file
 3. Search
 4. Sort
 5. Go back

b. Add

- i. Adds a file by asking for all criteria and adding it to the end of the database

c. Exit

- i. Saves and exits the database

The user should be prompted with a menu at the beginning. Then they are prompted to either add a client, end the program, or see all files. If they add a client it adds it to the end of the list with all its info, then goes back to the menu. If they choose to save and exit they simply save the linked list to a file and exit the program. If they choose to see all it shows all before prompting another menu. This menu allows them to do many things. They can sort the list into many ways. They can search or narrow down the list to some things based on a few items, or all. From there on it shows only the clients fitting the search criteria. Then it shows the menu again. They can also edit or delete a file. They choose a client to edit or delete then edit or delete it. They can also go back to the first menu. By going back to the first menu they can exit.

Test Type	Nature of test	Example	Expected result
User Input	Enter a choice, see if the expect result it true	At the first menu press 3 when prompted.	Saves the linked list to a file, and then ends the program successfully
Saving Data	Write data to file	Press 3 at main menu when prompted, this saves and exits the database	Should save all the files in the linked list to the text file.
Read from file	Creates and fills a linked list with data from a text file	Start program, choose 1 at main menu to see all files.	This should output all files saved to the text file before the program started.
Edit	Inputting the correct information to edit a file's information	Edit the 2nd file by choosing see all/edit/delete/file 2/edit/*new edit*	This should then change the linked list to have our edits. When we see all of the file it should show the new edit, not the old parts.
Delete	Deletes a file from the list	Seeall/edit/delete/file 1/delete	This should make the 2nd file the start and move all the numbers up one.
Add a file to list	Adds a file to the list that can be changed or used immediately	Add a file, then input all the information for the file. Then see all and maybe edit it or search/sort it	Should act as if it was a normal file read from the text document.
Sorting	See if sorting works	See All/ Sort / Buyers Sort by buyers	Should sort all the buyers by alphabetical order
Searching	See if searching works	Search for the phone number of file 2	Should just show file 2 (unless another file has the same phone number as client 2) and should output just file 2