DSA INNOVATIVE PROJECT

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Project Title :- File Manager

Data Structure Used :- Doubly Circular Linked List

Project Definition :-

We have chosen File Mangaement System as our project. In this four linked lists are created in which one is the main linked list and the other three are for files and folders.
It include functions –

i) To create a new file

ii) To display the list of files

iii) To see the list of files of a particular folder

iv) To open a file

v) To display the list of folders

vi) To delete a file

vii) To delete a folder

Output :-

```
Start Writing: I am Potato

File Created Successfully
Press
1.To Create a New File
2.To Display the list of files
3.To See the list of file of a Particular folder
4.To open a File
5.To See list of folder
6.Delete a File
7.Delete a Folder
8.Exit
Enter your choice: 1
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Enter File Name: Spinach
Enter Folder Name: Vegetable

Enter The Data in The File!
--Avoid using enter key while inserting your data--
Start Writing: I am Spinach

File Created Successfully
Press
1.To Create a New File
2.To Display the list of files
3.To See the list of file of a Particular folder
4.To open a File
5.To See list of folder
6.Delete a File
7.Delete a Folder
8.Exit
Enter your choice: 2
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Press
1.Chronological Order
2.Newest First
3.Oldest First
Enter Choice: 1
-----------------------------------------------------------------------------------
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1.Apple
2.Guvava
3.Potato
4.Spinach

Press
1.To Create a New File
2.To Display the list of files
3.To See the list of file of a Particular folder
4.To open a File
5.To See list of folder
6.Delete a File
7.Delete a Folder
8.Exit
```

```
Enter your choice: 2
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Press
1.Chronological Order
2.Newest First
3.Oldest First
Enter Choice: 2
1.Spinach
2.Potato
3.Guvava
4.Apple

Press
1.To Create a New File
2.To Display the list of files
3.To See the list of file of a Particular folder
4.To open a File
5.To See list of folder
6.Delete a File
7.Delete a Folder
8.Exit
Enter your choice: 2
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Press
1.Chronological Order
2.Newest First
3.Oldest First
Enter Choice: 3
1.Apple
2.Guvava
3.Potato
4.Spinach

Press
1.To Create a New File
2.To Display the list of files
3.To See the list of file of a Particular folder
4.To open a File
5.To See list of folder
6.Delete a File
7.Delete a Folder
8.Exit
Enter your choice: 3
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Enter folder name: Fruit
1.Apple
2.Guvava

Press
1.To Create a New File
2.To Display the list of files
3.To See the list of file of a Particular folder
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4.To open a File
5.To See list of folder
6.Delete a File
7.Delete a Folder
8.Exit
Enter your choice: 4
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Enter File name: Potato
Enter Folder name: Vegetable

The Content in the File is:
I am Potato


Press
1.To Create a New File
2.To Display the list of files
3.To See the list of file of a Particular folder
4.To open a File
5.To See list of folder
6.Delete a File
7.Delete a Folder
8.Exit
Enter your choice: 5
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Press
1.Chronological Order
2.Newest First
3.Oldest First
Enter Choice: 1
1.Fruit
2.Vegetable

Press
1.To Create a New File
2.To Display the list of files
3.To See the list of file of a Particular folder
4.To open a File
5.To See list of folder
6.Delete a File
7.Delete a Folder
8.Exit
Enter your choice: 5
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Press
1.Chronological Order
2.Newest First
3.Oldest First
Enter Choice: 2
1.Fruit
2.Vegetable

Press
1.To Create a New File
2.To Display the list of files
3.To See the list of file of a Particular folder
4.To open a File
5.To See list of folder
6.Delete a File
7.Delete a Folder
8.Exit
Enter your choice: 5
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Press
1.Chronological Order
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```
2.Newest First
3.Oldest First
Enter Choice: 3
1.Vegetable
2.Fruit

Press
1.To Create a New File
2.To Display the list of files
3.To See the list of file of a Particular folder
4.To open a File
5.To See list of folder
6.Delete a File
7.Delete a Folder
8.Exit
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Enter your choice: 1
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Enter File Name: Apple
Enter Folder Name: Fruit

File Name Already Exists!
1.Do you want to replace it
2.Change the file name
Enter your choice: 1

Enter The Data in The File!
--Avoid using enter key while inserting your data--
Start Writing: I am Banana

Data updated Successfully.
Press
1.To Create a New File
2.To Display the list of files
3.To See the list of file of a Particular folder
4.To open a File
5.To See list of folder
6.Delete a File
7.Delete a Folder
8.Exit
Enter your choice: 6
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Enter File Name: Guvava
Enter Folder Name: Fruit
File Deleted Successfully!
Press
1.To Create a New File
2.To Display the list of files
3.To See the list of file of a Particular folder
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4.To open a File
5.To See list of folder
6.Delete a File
7.Delete a Folder
8.Exit
Enter your choice: 7
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Enter Folder Name: Vegetable
Folder Deleted Successfully
Press
1.To Create a New File
2.To Display the list of files
3.To See the list of file of a Particular folder
4.To open a File
5.To See list of folder
6.Delete a File
7.Delete a Folder
8.Exit
Enter your choice: 2
------------------------------------------------------------------------
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Press
1.Chronological Order
2.Newest First
3.Oldest First
Enter Choice: 1
------------------------------------------------------------------------
---------
1.Apple

Press
1.To Create a New File
2.To Display the list of files
3.To See the list of file of a Particular folder
4.To open a File
5.To See list of folder
6.Delete a File
7.Delete a Folder
8.Exit
Enter your choice: 8
******************Thank You!***********
Process returned 1 (0x1)   execution time : 689.940 s
Press any key to continue.
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