Full Name	RAGHAVENDRA NAGANKERI
BATCH	MS FSD DEC 2021 Cohort 1
Student ID	Raghunagankeri Email : Raghunagankeri@gmail.com
Project	Java FS Phase1 project Lockedme_Application
Submission date	29/01/2022

```java
package lockedme_package;

import java.io.File;
import java.util.LinkedList;
import java.util.Scanner;

class closeapp{

    public static void clearScreen() {
        System.out.print("You are sucessfully logged out, click here to login again");
        System.out.flush();
    }
}
public class Lockedme_app {


    static final String filespath = "C:\\Users\\raghav\\Desktop\\lockfiles"; //adding the path from where the files are retrieved

    public static void main(String[] args) {
            /*Problem statement :
             *
             * Need to develop a application with following features:
             *
             * Display the Menu(Which gives all the below options for user)
             *
             * 1. Retrieving file names in ascending order
             * 2. Option to add a user specific file
             * 3. Option to search a user specific file
             * 4. Delete a user specific file
             * 5. Option to go back to  the main Menu(Display's all the options),in other words "BACK" key
             * 6. Option to close the application.
             * */

            //adding the path from where the files are retrieved


            displayMenu();
            System.out.println();
            System.out.println();
            addfile();
            System.out.println();
            System.out.println();
            deletefile();
            System.out.println();
            System.out.println();
            searchfile();
            System.out.println();
            System.out.println();
            back();
            System.out.println();
            System.out.println();
            close();



    }

    //1.Display

    static void displayMenu()
```

```java
        {
                System.out.println("***********Welcome to LockedMe************");
                System.out.println("****************Most Secured file Manager************");
                System.out.println("****************************Please select the below options************"+"\n\n"

                                                                                    +"1. Retrieving a file names in ascending
order" +"\n"

                                                                                    +"2. ADD new file" +"\n"
                                                                                    +"3. Search file" +"\n"
                                                                                    +"4. DELETE file" +"\n"
                                                                                    +"5. BACK" +"\n"
                                                                                    +"6. Close the application"+"\n");
        }
        //2.ADD
        public static void addfile()
        {
                File folder = new File(filespath);
                File[] files = folder.listFiles(); // used  list files method to get/ fetch all the files from the directory.

                for (var a:files)
                {
                        System.out.println(a.getName());// using for each loop, instead of standard for loop
                }
                if(files.length==0)
                        System.out.println("No results");
        }

        //3.SEARCH
        public static void searchfile()
        {

                String searchfile;
                Scanner obj = new Scanner(System.in);
                System.out.println("please enter the file name to be searched");
                searchfile= obj.nextLine();

                File folder = new File(filespath);
                File[] files = folder.listFiles();

                LinkedList<String> filenames= new LinkedList<String>();

                for(var a:files)
                filenames.add(a.getName());// please note, if you put a {} bracket for this for loop, it will run it 4 times , as many files it has

                if(filenames.contains(searchfile)) {
                        System.out.println("This is your file "+ "=====>"+ searchfile);
                }
                else
                        System.out.println("No results");



}
        //4.Delete
        public static void deletefile() {

                String deletefile;
                Scanner obj = new Scanner(System.in);
                System.out.println("please enter the file name to be deleted");
                deletefile= obj.nextLine();

                File file= new File("C:\\Users\\raghav\\Desktop\\lockfiles"+"\\"+ deletefile);

    if (file.exists()) {
            file.delete();
        System.out.println("File deleted successfully");
```

```java
}
else {
   System.out.println("no results");
}
         }

         //5. BACK
         public static void back()
         {
                  String back;
                  Scanner obj = new Scanner(System.in);
                  System.out.println("Please type 'back' in lowercase to go to main menu");
                  back= obj.nextLine();


                  if(back.contains("back")) {
                           Lockedme_app L = new Lockedme_app();
                           L.displayMenu();
                  }
                  else
                           System.out.println("type 'back' in lowercase again");

                  }



         //6.Close
                  public static void close()
                  {


                           String close;
                           Scanner obj = new Scanner(System.in);
                           System.out.println("Please type 'close' in lowercase to go to main menu");
                           close= obj.nextLine();


                           if(close.contains("close")) {
                                    closeapp C=new closeapp();
                                    C.clearScreen();
                           }
                           else
                                    System.out.println("Please type 'close' in lowercase again");

                           }


         }
```

Screen shorts

Lockedme_app [Java Application] C:\Users\raghav\Downloads\eclipse-java-2021-09-R-win32-x86_64\e
************Welcome to LockedMe*************
ava Application] C:\Users\raghav\Downloads\eclipse-java-2021-09-R-win32-x86_64\eclipse\plugins\org
******************************Please select the below options*************

1. Retrieving a file names in ascending order
2. ADD new file
3. Search file
4. DELETE file
5. BACK
6. Close the application

Access.txt
data.txt
password.txt
user_infomation.txt

please enter the file name to be deleted
password
no results

please enter the file name to be searched

Screen shorts 2.

please enter the file name to be searched
Access.txt
This is your file =====>Access.txt

```
Please type 'back' in lowercase to go to main menu
back
************Welcome to LockedMe**************
******************Most Secured file Manager*************
*******************************Please select the below options*************

1. Retrieving a file names in ascending order
2. ADD new file
3. Search file
4. DELETE file
5. BACK
6. Close the application



Please type 'close' in lowercase to go to main menu
```

```
Please type 'close' in lowercase to go to main menu
close
You are sucessfully logged out, click here to login again
```