Lockedme.com
(Source Code)

Version History:

Author	Aman Kumar
Purpose	**Sprint work and Project specification with Code**
Date	**12/08/2021**
Version	**1.0**

2 Project Code:

FileManager.java

```java
package com.lockedme;

import java.io.File;
import java.io.FileWriter;
import java.util.ArrayList;
import java.util.List;

public class FileManager
{
    /**
     * This method will return all the file name from the folder
     * @param folderpath
     * @return List <String>
     */
    public static List<String> getAllFiles (String folderpath)
    {
        //Creating File Object
        File fl = new File(folderpath);

        //Getting all the file into FileArray
        File [] listOfFile = fl.listFiles();

        //Declare a list to store file names
        List<String> fileNames = new ArrayList<String>();

        for(File f:listOfFile)
            fileNames.add(f.getName());

        //return the List
        return fileNames;

    }
    /**
     * This method will create content into the file specified
     * @param folderpath
     * @param Filename
     * @param content
     * @return boolean
     */
    public static boolean createFiles (String folderpath, String fileName, List <String>
content)
    {
        try
        {
            File fl = new File(folderpath, fileName);
            FileWriter fw = new FileWriter(fl);
            for (String s:content)
            {
                fw.write(s+"\n");
            }
            fw.close();
            return true;
```

```java
            }
            catch(Exception Ex)
            {
                    return false;
            }
        }
/**
 * This method will delete the specific file if exist
 * @param folderpath
 * @param fileName
 * @return
 */
    public static boolean deleteFile (String folderpath, String fileName)
    {

            //adding folder path with file name and creating file object
            File file = new File(folderpath+"\\"+fileName);

            try
            {
                    if(file.delete())
                            return true;
                    else
                            return false;
            }

                    catch(Exception Ex)
            {
                    return false;
            }
    }
    }
    /**
     * This code will search the specific file if exist
     * @param folderpath
     * @param fileName
     * @return
     */

    public static boolean searchFile (String folderpath, String fileName)
    {
            //adding folder path with file name and creating file object
                        File file = new File(folderpath+"\\"+fileName);

                        if(file.exists())
                                return true;
                        else
                                return false;

    }
}
```

LockedMeProject.java

```java
package com.lockedme;

import java.util.ArrayList;
import java.util.List;
import java.util.Scanner;

public class LockedMeProject
{
        static final String folderpath = "D:\\MyPhase1Project\\LockedMeFiles";
        public static void main(String[] args)
        {
                int proceed= 1;

                do
                        {
                        //Variable declaration
                        Scanner obj = new Scanner(System.in);
                        int ch;

                        //Menu
                        displayMenu();
                        System.out.println("Enter your Choice:");
                        ch=Integer.parseInt(obj.nextLine());

                        switch(ch)
                        {
                        case 1 : getAllFiles();
                                        break;
                        case 2 : createFiles();
                                        break;
                        case 3 : deleteFile();
                                        break;
                        case 4 : searchFile();
                                        break;
                        case 5 : System.exit(0);
                                        break;
                        default : System.out.println("Invalid Option");
                                        break;
                        }
                        }
                while(proceed>0);
        }
        public static void displayMenu()
        {
                System.out.println("*********************************************");
                System.out.println("\t\tLockedMe.com");
                System.out.println("*********************************************");
                System.out.println("1. Get all file");
                System.out.println("2. Add new file");
                System.out.println("3. Delete a file");
                System.out.println("4. Search a file");
                System.out.println("5. Exit");
                System.out.println("*********************************************");
```

```java
        }

        /**
         * This method is for getting the file name.
         */
        public static void getAllFiles()
        {
                //Getting the File Name

                List<String> fileNames = FileManager.getAllFiles(folderpath);

                for(String f:fileNames)
                System.out.println(f);

        }

        /**
         * This method is to create the files
         */
        public static void createFiles()
        {
                //Variable Declaration
                Scanner obj = new Scanner (System.in);
                String fileName;
                int linesCount;
                List<String> content = new ArrayList<String>();

                //Read file name from user
                System.out.println("Enter the FIle Name:");
                fileName= obj.nextLine();

                //Read number of lines from user
                System.out.println("Enter how many line in the file:");
                linesCount= Integer.parseInt(obj.nextLine());

                //Read Lines from user
                for(int i=1; i<=linesCount;i++)
                {
                        System.out.println("Enter line "+i+":");
                        content.add(obj.nextLine());
                }

                //Save the content into the file
                boolean isSaved = FileManager.createFiles(folderpath, fileName, content);

                if(isSaved)
                        System.out.println("File and data is saved sucessfully");
                else
                        System.out.println("Some error occured. Please contact
admin@LockedMe.com");
        }

        /**
         * This method is to delete the specific file
         */
```

```java
        public static void deleteFile()
        {
                //Variable Declaration
                String fileName;
                Scanner obj = new Scanner(System.in);

                //Read file name from user
                System.out.println("Enter file name to delete:");
                fileName= obj.nextLine();

                //Deleting the file
                boolean isDeleted = FileManager.deleteFile(folderpath, fileName);

                if(isDeleted)
                        System.out.println("File deleted successfully");
                else
                        System.out.println("File not found! Enter valid file name.");
        }

        /**
         * This method is to search the file.
         */
        public static void searchFile()
        {
                //Variable Declaration
                String fileName;
                Scanner obj = new Scanner(System.in);

                //Read file name from user
                System.out.println("Enter file name to searched:");
                fileName= obj.nextLine();

                //Searching the file
                boolean isFound = FileManager.searchFile(folderpath, fileName);

                if(isFound)
                        System.out.println("File is present");
                else
                        System.out.println("File not present.");

        }

}
```