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Batch	MS FSD DEC 2021 Cohort 1
Project title	LockedMe.com
Project submission Date	30.01.2022

Source Code:

```
package mypackage;

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

public class LockedMe {

static final String projectFilesPath =
"/Users/abhishekmandlik/Documents/30.01.2022/Phase1Project/LockedMe1/LockedMeFiles";
static final String errorMessage="Some error occured. please contact admin@lockedme.com";
public static void main(String[] args) {
Scanner obj= new Scanner(System.in);
int ch;
do
{
displayMenu();
System.out.println("Enter your choice:");
ch=Integer.parseInt(obj.nextLine());

switch(ch)
{
case 1:getAllFiles();
break;
case 2:createFiles();
break;
case 3:deleteFiles();
break;
case 4:searchFiles();
break;
case 5:System.exit(0);
break;
default:System.out.println("Invalid option");
break;
```

```
}
}

while(ch>0);

obj.close();
}


public static void displayMenu()

{
System.out.println("**********************************************************************
******");
System.out.println("\t\tWelcome to LockedMe.com (Designed by Abhishek Mandlik)");
System.out.println("**********************************************************************
******");
System.out.println("\t\t1. Display all the files");
System.out.println("\t\t2. Add a new file");
System.out.println("\t\t3. Delete a file");
System.out.println("\t\t4. Search a file");
System.out.println("\t\t5. Exit");
}

/**
 * This function will return all the files from the project directory
 */

public static void getAllFiles()
{
try
{
File folder = new File(projectFilesPath);
File[] listOfFiles = folder.listFiles();

if(listOfFiles.length==0)
System.out.println("No files exist in the directory");
else
for(var l:listOfFiles)
{
System.out.println(l.getName());
}
}
catch(Exception Ex)
{
System.out.println(errorMessage);
}
}
```

```
public static void createFiles()
{
try
{
Scanner obj= new Scanner(System.in);

String fileName;

System.out.println("Enter file name:");
fileName = obj.nextLine();

int linesCount;
System.out.println("Enter how many lines in the file:");

linesCount=Integer.parseInt(obj.nextLine());

FileWriter myWriter = new FileWriter(projectFilesPath+ "\\" +fileName);

for(int i=1;i<=linesCount;i++)
{
System.out.println("Enter the file line:");
myWriter.write(obj.nextLine()+"\n");
}

myWriter.close();
obj.close();
}
catch(Exception Ex)
{
System.out.println(errorMessage);
}
}

/**
 * This method will search a file
 */
public static void searchFiles()
{
Scanner obj = new Scanner(System.in);
try
{
String fileName;

System.out.println("Enter the File name to be searched:");

fileName = obj.nextLine();
```

```
File folder= new File(projectFilesPath);
File[] listOfFiles = folder.listFiles();

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

for(var l:listOfFiles)
filenames.add(l.getName());

if(filenames.contains(fileName))
System.out.println("File is available");
else
System.out.println("File is not available");
}
catch(Exception Ex)
{
System.out.println(errorMessage);
}
}

/**
 * This method will delete file
 */
public static void deleteFiles()
{
Scanner obj = new Scanner(System.in);
try
{
String fileName;

System.out.println("Enter the file name to be deleted: ");
fileName=obj.nextLine();

File file= new File(projectFilesPath + "\\" + fileName);

if(file.exists())
{
file.delete();
System.out.println("File deleted successfully");
}
else
System.out.println("File do not exist");
}
catch(Exception Ex)
{
System.out.println(errorMessage);
}
finally {
obj.close();
```

```
}
}}
```