

Full Name	Sunil Kumar Murjani
Batch	Java Full Stack Developer December Cohort 11 Dec 2021
Project Title	Phase 1 Final Project: Project LockedMe.com
Project Submission date	26 Jan 2022

Source Code

```
package com.lockedme;
import java.io.*;
import java.util.*;

public class LockedMe {
    static final String projectFilePath="D:\\SimpliLearn\\LiveSessions\\Phase 1\\2022-01-22\\LockedMeFiles";
    static final String errorMessage="Some error occurred. Please contact : admin@lockedme.com";
    public static void main(String[] args)
    {
        Scanner obj=new Scanner(System.in);
        int choice;
        do
        {
            displayMenu();
            System.out.println("Enter your choice b/w 1 to 5");
            try
            {
                choice=Integer.parseInt(obj.nextLine());
                switch(choice)
                {
                    case 1:getAllFiles();
                        break;
                    case 2:createFile();
                        break;
                    case 3:deleteFile();
                        break;
                    case 4:searchFile();
                        break;
                    case 5:System.exit(0);
                        break;
                    default:System.out.println("Invalid input");
                        break;
                }
            }
        }
        catch(Exception ex)
        {System.out.println("enter integer only");}
```

```

        choice=1;
    }

    }while(choice>0);
    obj.close();
}

/**
 * This method displays all the options available in the menu
 */
public static void displayMenu()
{
    System.out.println("*****");
    System.out.println(" WELCOME TO LOCKEDME.COM");
    System.out.println("Created By - Sunil Kumar Murjani");
    System.out.println("*****");
    System.out.println("\t1. Display all files");
    System.out.println("\t2. Create a file");
    System.out.println("\t3. Delete a file");
    System.out.println("\t4. Search a file");
    System.out.println("\t5. Exit");
}

/**
 * This method will return all the files from the project directory
 */
public static void getAllFiles()
{
    try
    {
        File folder=new File(projectFilePath);
        File[] listOfFiles=folder.listFiles();
        if(listOfFiles.length==0)
            System.out.println("no file exists");
        else
            for(var l:listOfFiles)
                System.out.println(l.getName());
    }
}

```

```

        }
        catch(Exception ex)
        {
            System.out.println(errorMessage);
        }
    }
    /**
     * This method will create the file based on file name provided by the user
     */
    public static void createFile()
    {
        try
        {
            Scanner obj=new Scanner(System.in);
            System.out.println("Enter file name which is to be created");
            String fileName=obj.nextLine();
            System.out.println("Enter number of lines to be entered");
            int linesCount=Integer.parseInt(obj.nextLine());

            FileWriter fw=new FileWriter(projectFilesPath+"\\ "+fileName);
            for(int i=1; i<=linesCount;i++)
            {
                System.out.println("Enter line number : "+i);
                fw.write(obj.nextLine()+"\n");
            }
            System.out.println("File created successfully");
            fw.close();
        }
        catch(Exception ex)
        {
            System.out.println(errorMessage);
        }
    }
    /**
     * This method will delete the file based on file name provided by the user
     */
    public static void deleteFile()
    {
        try

```

```

        {
            Scanner obj=new Scanner(System.in);
            System.out.println("Enter file name which is to be deleted");
            String fileName=obj.nextLine();
            File file=new File(projectFilePath+"\\ "+fileName);
            if(file.exists())
            {
                file.delete();
                System.out.println("File deleted successfully :"+fileName);
            }
            else
                System.out.println("File does not exist");
        }
        catch(Exception ex)
        {
            System.out.println(errorMessage);
        }
    }
    /**
     * This method will search files from the directory
     */
    public static void searchFile()
    {
        try
        {
            Scanner obj=new Scanner(System.in);
            System.out.println("Enter file name which is to be searched");
            String fileName=obj.nextLine();
            File folder=new File(projectFilePath);
            File[] listOfFiles=folder.listFiles();

            List<String> filenames=new ArrayList<>();
            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);
    }
}
```

Screen Shots

Display Menu

```
Console × Problems Debug Shell
LockedMe [Java Application] C:\Users\sunil\p2\pool\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64_17.0.1.v20211116-1657\jre\bin\javaw.exe (26-Jan-2022, 4:45:37 pm)
*****
WELCOME TO LOCKEDME.COM
Created By - Sunil Kumar Murjani
*****
1. Display all files
2. Create a file
3. Delete a file
4. Search a file
5. Exit
Enter your choice b/w 1 to 5
```

Display all files

```
Console × Problems Debug Shell
LockedMe [Java Application] C:\Users\sunil\p2\pool\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64_17.0.1.v20211116-1657\jre\bin\javaw.exe (26-Jan-2022, 4:47:16 pm)
*****
WELCOME TO LOCKEDME.COM
Created By - Sunil Kumar Murjani
*****
1. Display all files
2. Create a file
3. Delete a file
4. Search a file
5. Exit
Enter your choice b/w 1 to 5
1
Alphabets.txt
Days.txt
Months.txt
Numbers.txt
```

Create a file

```
Console × Problems Debug Shell
<terminated> LockedMe [Java Application] C:\Users\sunil\p2\pool\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64_17.0.1.v20211116-1657\jre\bin\javaw.exe (26-Jan-2022, 4:47:16 pm – 4:49:04 pm)
*****
WELCOME TO LOCKEDME.COM
Created By - Sunil Kumar Murjani
*****
1. Display all files
2. Create a file
3. Delete a file
4. Search a file
5. Exit
Enter your choice b/w 1 to 5
2
Enter file name which is to be created
Message.txt
Enter number of lines to be entered
2
Enter line number : 1
Hello, my name is Sunil
Enter line number : 2
What's your name ?
File created successfully
Delete a file
```



```
Console × Problems Debug Shell
<terminated> LockedMe [Java Application] C:\Users\sunil\p2\pool\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64_17.0.1.v20211116-1657\jre\bin\javaw.exe (26-Jan-2022, 4:50:12 pm – 4:50:20 pm)
*****
WELCOME TO LOCKEDME.COM
Created By - Sunil Kumar Murjani
*****
    1. Display all files
    2. Create a file
    3. Delete a file
    4. Search a file
    5. Exit
Enter your choice b/w 1 to 5
3
Enter file name which is to be deleted
Message.txt
File deleted successfully :Message.txt
```

Search a file

```
Console × Problems Debug Shell
<terminated> LockedMe [Java Application] C:\Users\sunil\p2\pool\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64_17.0.1.v20211116-1657\jre\bin\javaw.exe (26-Jan-2022, 4:50:59 pm – 4:51:04 pm)
*****
WELCOME TO LOCKEDME.COM
Created By - Sunil Kumar Murjani
*****
    1. Display all files
    2. Create a file
    3. Delete a file
    4. Search a file
    5. Exit
Enter your choice b/w 1 to 5
4
Enter file name which is to be searched
Days.txt
File is available
```

