Project Name: LockedMe.com

Submitted By – Sunil Kumar Patra

Submission to – Simplilearn (Project -1)

Date of Submission – 6th September 2022

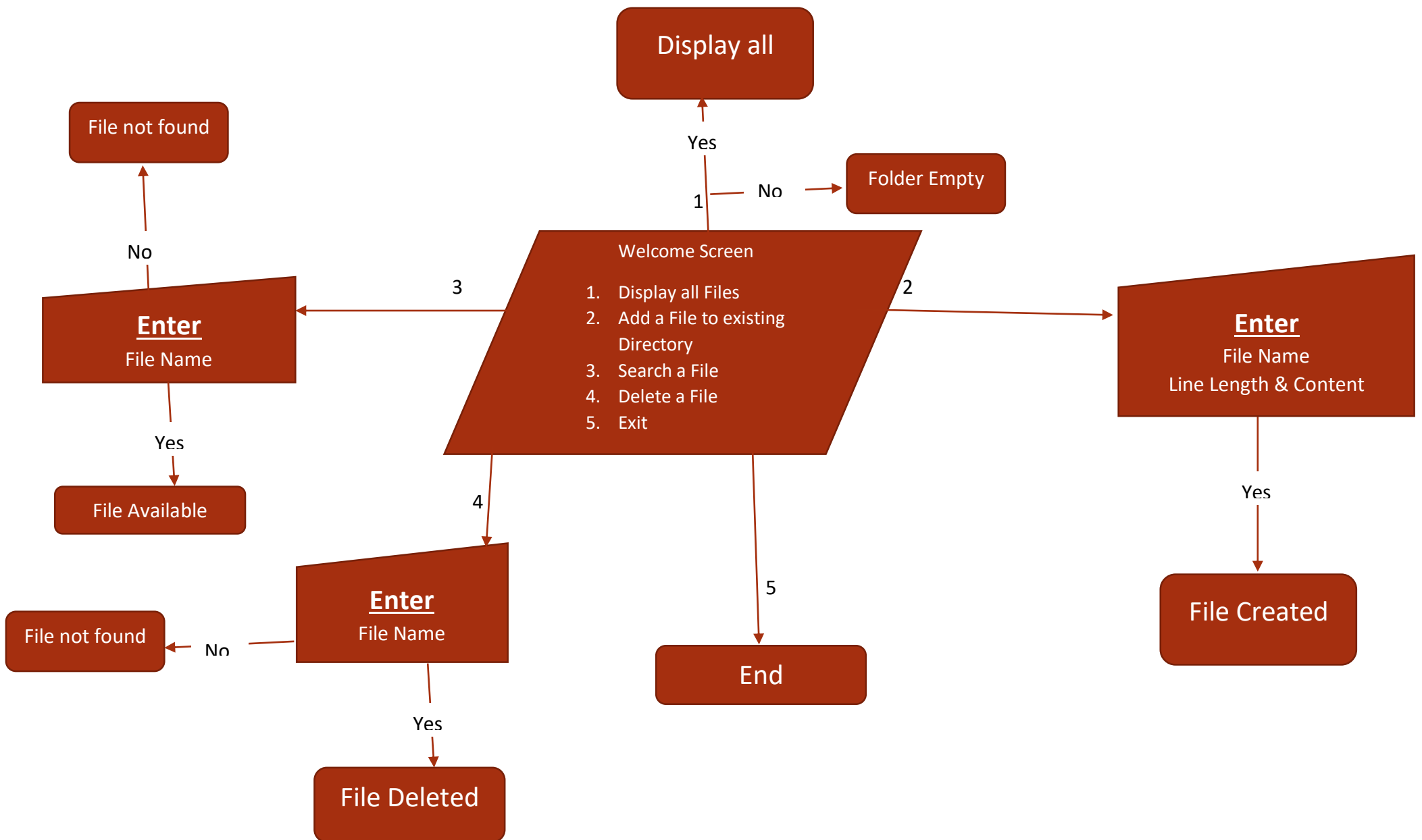Git Hub repositary link : https://github.com/patrasunil0/SimplilernPhase1Project.git

Project Brief: This project is defined to develop a software in which the user can access the following operation by the developed software with choosing the displayed options.

- ➢ Display all availbe files inside the directory.
- ➢ Add a new file with content added to the file.
- ➢ Delete any file by name in the particular directory.
- ➢ Search availibily of any file by name in the particular directory.
- ➢ Exit from the directory.

Concept Used to complete the Projects are:

- ➢ Do while loop
- ➢ If else statement
- ➢ Try catch statement
- ➢ Switch statement
- ➢ Java utility Scanner and I/O File and FileWriter has been used.
- ➢ Searching and sorting

Flow Chart of the Software

Display all

File not found

Yes

No → **Folder Empty**

1

No

3

Welcome Screen

1. Display all Files
2. Add a File to existing Directory
3. Search a File
4. Delete a File
5. Exit

2

Enter
File Name

Enter
File Name
Line Length & Content

Yes

File Available

Yes

File Created

4

5

Enter
File Name

No → **File not found**

Yes

File Deleted

End

Source code with two sprint has been taken to complete the Project.

1. First source code is clientApp (Fornt-end coding)

```
1.package lockedMe.com;
2.
3.   import java.util.Scanner;
4.
5.   public class ClinetApp {
6.
7.          public static void main(String[] args) {
8.
9.
10.                 Scanner obj = new Scanner(System.in);
11.                 int ch;
12.                 do
13.                 {
14.                         LockedMe.displayMenu();
15.                         System.out.println("Enter Your Choice: ");
16.                         ch = Integer.parseInt(obj.nextLine());
17.
18.                         switch(ch)
19.                         {
20.                                 case 1:LockedMe.getAllFiles();
21.                                 break;
22.                                 case 2:LockedMe.creatFiles();
23.                                 break;
24.                                 case 3:LockedMe.deleteFiles();
25.                                 break;
26.                                 case 4:LockedMe.searchFiles();
27.                                 break;
28.                                 case 5:System.out.println("\"Thank you\" Visit Again !!!!!");
29.                                 System.exit(0);
30.                                 break;
31.                                 default:System.out.println("Invalid option");
32.                                 break;
33.                         }
34.
35.                 }
36.         while(ch>0);
37.         obj.next();
38.         obj.close();
39.
40.
41.     }
42.
```

```
43. }
```

2. Second Source code (Backend coding)

```java
1.    package lockedMe.com;
2.
3.    import java.io.File;
4.    import java.io.FileWriter;
5.    import java.util.Scanner;
6.
7.    public class LockedMe {
8.
9.            static final String projectFilesPath =
       "D:\\JAVA\\SimpliLearn\\Project\\Submission\\LockedMeFile";
10.           public static void displayMenu()
11.           {
12.
              System.out.println("*****************************************");
13.                   System.out.println("\tWelcome to LockedMe.com Secure App");
14.                   System.out.println("\tDeveloped by Sunil Kumar Patra");
15.
              System.out.println("*****************************************");
16.                   System.out.println("\t\t1. Display all Files");
17.                   System.out.println("\t\t2. Add files to the existing directory list");
18.                   System.out.println("\t\t3. Delete a File");
19.                   System.out.println("\t\t4. Search a File");
20.                   System.out.println("\t\t5. Exit");
21.           }
22.           public static void getAllFiles()
23.           {
24.                   File folder = new File(projectFilesPath);
25.                   File [] listOfFile = folder.listFiles();
26.
27.                   if (listOfFile.length>0)
28.                   {
29.                           System.out.println("File lists are displayed below");
30.                           for(var l:listOfFile)
31.                           {
32.                                   System.out.println(l.getName());
33.                           }
34.                   }
35.                   else
36.                   {
37.                           System.out.println("The Folder is Empty");
38.                   }
39.           }
40.           public static void creatFiles()
```

```java
41.          {
42.                  try
43.                  {
44.                          Scanner obj = new Scanner(System.in);
45.                          String fileName;
46.                          System.out.println("Enter the File Name: ");
47.                          fileName = obj.nextLine();
48.
49.                          int linesCount;
50.                          System.out.println("Enter How many Lines you want to Enter : ");
51.                          linesCount = Integer.parseInt(obj.nextLine());
52.
53.                          FileWriter fw = new FileWriter (projectFilesPath+ "\\"+fileName);
54.                          for(int i=1;i<=linesCount;i++)
55.                          {
56.                                  System.out.println("Enter the File Line: ");
57.                                  fw.write(obj.nextLine()+"\n");
58.                          }
59.                          System.out.println("File Create Successfully");
60.                          fw.close();
61.
62.                  }
63.                  catch (Exception e)
64.                  {
65.
66.                  }
67.
68.          }
69.          public static void deleteFiles()
70.          {
71.
72.                  Scanner obj = new Scanner(System.in);
73.                  String fileName;
74.                  System.out.println("Enter the File Name: ");
75.                  fileName = obj.nextLine();
76.                  File f = new File(projectFilesPath+"\\"+fileName);
77.                  if(f.exists())
78.                  {
79.                          f.delete();
80.                          System.out.println("File successfully deleted");
81.                  }
82.                  else
83.                  {
84.                          System.out.println("File not found");
85.                  }
86.
87.          }
```
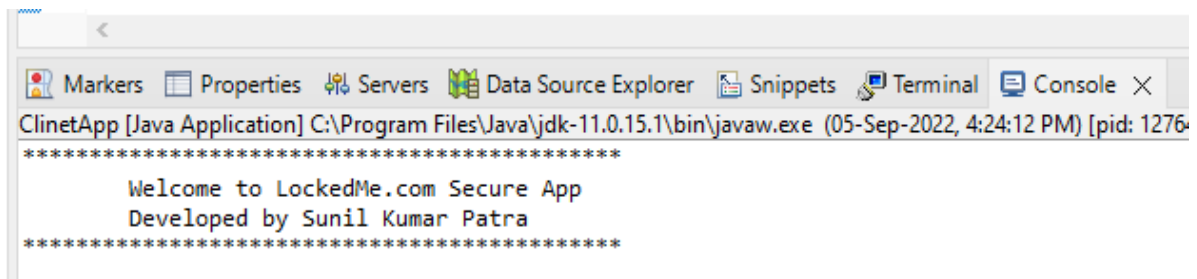
```
88.        public static void searchFiles()
89.        {
90.                Scanner obj = new Scanner(System.in);
91.                String fileName;
92.                System.out.println("Enter the File Name: ");
93.                fileName = obj.nextLine();
94.                File f = new File (projectFilesPath+"\\"+fileName);
95.                if (f.exists())
96.                {
97.                        System.out.println("The File is available");
98.                }
99.                else
100.                        {
101.                                System.out.println("File not found");
102.                        }
103.        }
104.
105.        }
106.
```
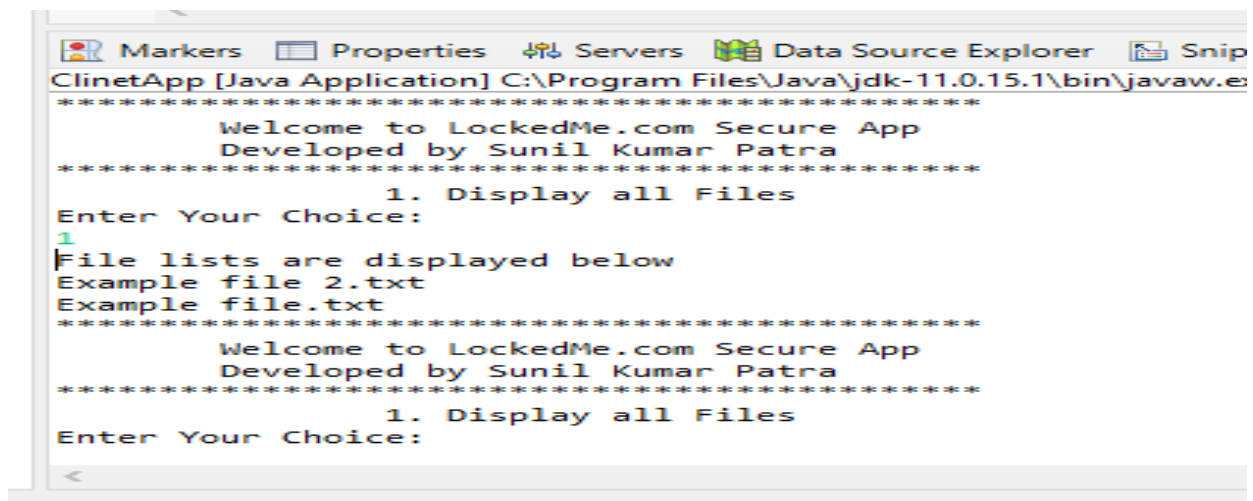
Screenshot of every prototype added to the software.

1. Welcome Screen.

2. Display all available Files

3. Add a File to existing directory list

```
ClinetApp [Java Application] C:\Program Files\Java\jdk-11.0.15.1\bin\javaw.exe (05-Sep-2022, 4:31:04 PM) [pid: 10900]
***********************************************
        Welcome to LockedMe.com Secure App
        Developed by Sunil Kumar Patra
***********************************************
              1. Display all Files
              2. Add files to the existing directory list
Enter Your Choice:
2
Enter the File Name:
testfile3.txt
Enter How many Lines you want to Enter :
3
Enter the File Line:
hello
Enter the File Line:
now
Enter the File Line:
line added
File Creat Succesessfully
***********************************************
        Welcome to LockedMe.com Secure App
        Developed by Sunil Kumar Patra
***********************************************
              1. Display all Files
              2. Add files to the existing directory list
Enter Your Choice:
```

4. Delete a File

```
23                    case 2:LockedMe.creatFiles();
24                    break;
```

```
Markers  Properties  Servers  Data Source Explorer  Snippets  Terminal  Console X
ClinetApp [Java Application] C:\Program Files\Java\jdk-11.0.15.1\bin\javaw.exe (06-Sep-2022, 9:51:00 AM) [pid: 900]
        Developed by Sunil Kumar Patra
***********************************************
              1. Display all Files
              2. Add files to the existing directory list
              3. Delete a File
Enter Your Choice:
3
Enter the File Name:
testfile1.txt
File successfully deleted
***********************************************
        Welcome to LockedMe.com Secure App
        Developed by Sunil Kumar Patra
***********************************************
              1. Display all Files
              2. Add files to the existing directory list
              3. Delete a File
Enter Your Choice:
```

5. Search a File

```
Markers   Properties   Servers   Data Source Explorer   Snippets   Terminal   Console   X
ClinetApp [Java Application] C:\Program Files\Java\jdk-11.0.15.1\bin\javaw.exe  (06-Sep-2022, 10:14:27 AM) [pid: 7992]
**********************************************
        Welcome to LockedMe.com Secure App
        Developed by Sunil Kumar Patra
**********************************************
                1. Display all Files
                2. Add files to the existing directory list
                3. Delete a File
                4. Searche a File
Enter Your Choice:
4
Enter the File Name:
testfile1
The File is available
**********************************************
        Welcome to LockedMe.com Secure App
        Developed by Sunil Kumar Patra
**********************************************
                1. Display all Files
                2. Add files to the existing directory list
                3. Delete a File
                4. Searche a File
Enter Your Choice:
```

6. Exit

```
Markers   Properties   Servers   Data Source Explorer   Snippets   Terminal   
<terminated> ClinetApp [Java Application] C:\Program Files\Java\jdk-11.0.15.1\bin\javaw.exe  (06-Se
**********************************************
        Welcome to LockedMe.com Secure App
        Developed by Sunil Kumar Patra
**********************************************
                1. Display all Files
                2. Add files to the existing directory list
                3. Delete a File
                4. Searche a File
                5. Exit
Enter Your Choice:
5
"Thank you" visit again !!!!!
```

Thank You !!!!!

Project report prepare by Sunil Kumar Patra

Submission – Project 1_ Phase 1_ Simplilearn