LockedMe.com
(Sprint Work and
Project Specification)

Version History:

Author	Atharv Pratap Singh
Purpose	Screenshots of application
Date	14^h August 2021
Version	1.0

Contents

1. Modules in LockeMe.com Project

a. Display All files in the Directory
b. Adding a new file and content
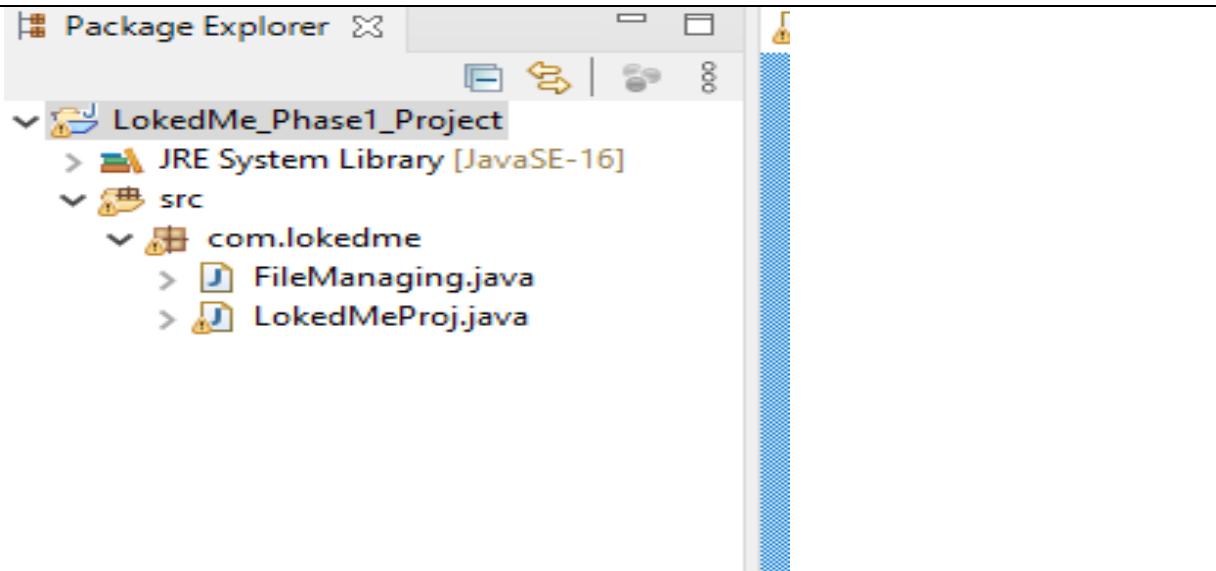c. Deleting a specific file in the Directory
d. Search a particular file

2. Sprint wise work

Sprint Number	Modules
1	Display All files Adding new File
2	Deleting a file Search a file Testing Deployment(Creating a runnable jar file)

3. Project GITHUB link:

Repository Name:-
Simplilearn_Project_P1
Github Link:-
https://github.com/apstorm/Simplilearn_Project_P1

4. Project Code:

Folder Structure
FileManaging.java

```java
1  package com.lokedme;
2
3⊕ import java.io.File;▯
7
8  public class FileManaging
9  {
10⊖ /**
11  * this method will return the file names from folder
12  * @param folderPath
13  * @return list<String>
14  */
15⊖    public static List<String> getAllFiles(String folderPath)
16     {
17         //file object creation
18         File fl=new File(folderPath);
19
20         //getting all files inside array of file
21         File[] listOfFiles=fl.listFiles();
22
23         //declare list to store file names
24         List<String> fileNames=new ArrayList<String>();
25
26         for(File f:listOfFiles)
27         {
28             fileNames.add(f.getName());
29         }
30
31         //return list
32         return fileNames;
33
34     }
35⊖    /**
36      * this method create or append content into the specified file
37      * @param folderPath
38      * @param fileName
39      * @param content
40      * @return
41      */
42⊖    public static boolean createFile(String folderPath,String fileName, List<String> content)
```

```java
42    public static boolean createFile(String folderPath,String fileName, List<String> content)
43    {
44        try
45        {
46            File fl=new File(folderPath, fileName);
47            FileWriter fw=new FileWriter(fl);
48            for(String s:content)
49            {
50                fw.write(s+"\n");
51            }
52            fw.close();
53            return true;
54        }
55        catch (Exception e)
56        {
57            return false;
58        }
59
60    }
61
62    /**
63     * this method will delete the file name specified
64     * @param folderPath
65     * @param fileName
66     * @return
67     */
68    public static boolean deleteFile(String folderPath,String fileName)
69    {
70        //adding folder path with filename and create file object
71        File f=new File(folderPath+"\\"+fileName);
72        try
73        {
74            if(f.delete())
75            {
76                return true;
77            }
78            else
79            {
80                return false;
```

```java
73          {
74              if(f.delete())
75              {
76                  return true;
77              }
78              else
79              {
80                  return false;
81              }
82          }
83          catch (Exception e)
84          {
85              return false;
86          }
87      }
88
89⊖     public static boolean searchFile(String folderPath,String fileName)
90      {
91          //adding folder path with filename and create file object
92          File f=new File(folderPath+"\\"+fileName);
93          try
94          {
95              if(f.exists())
96              {
97                  return true;
98              }
99              else
100             {
101                 return false;
102             }
103         }
104         catch (Exception e)
105         {
106             return false;
107         }
108
109     }
110 }
111 |
```

Writable   Smart Insert   111 : 1 : 2019

LokedMeProj.java

```java
1  package com.lokedme;
2
3  import java.util.ArrayList;
4  import java.util.List;
5  import java.util.Scanner;
6
7  public class LokedMeProj {
8
9      static final String folderPath=
10     "F:\\EGDownloads\\Simplilearn stuffs\\live class vedeos\\P-1\\Project(Phase-1)\\(LockedMe.com)-files";
11     public static void main(String[] args)
12     {
13         int go=1;
14         do
15         {
16         //Variable Declaration
17         Scanner obj=new Scanner(System.in);
18         int choice;
19
20         //Menu
21         displayMenu();
22
23         System.out.println("enter your choice: ");
24         choice=Integer.parseInt(obj.nextLine());
25
26         switch (choice)
27         {
28             case 1: getAllFiles();
29             break;
30
31             case 2: createFile();
32             break;
33
34             case 3: deleteFile();
35             break;
36
37             case 4: searchFile();
38             break;
39
```

```java
39
40            case 5: System.exit(0);
41            break;
42
43
44        default: System.out.println("Invalid Choice..");
45        break;
46
47        }
48        }while(go>0);
49
50    }
51
52    /**
53     * Description: this method is used to display the menu options
54     *
55     * Author:        Atharv Pratap Singh
56     *
57     * Date:          14/08/2021
58     */
59    public static void displayMenu()
60    {
61                Scanner obj=new Scanner(System.in);
62 //             int ch;
63
64                System.out.println("*********************************************************");
65                System.out.println("\t\tCompany Lockers Pvt. Ltd.");
66                System.out.println("*********************************************************");
67                System.out.println("**** 1. Display all files ******************************");
68                System.out.println("**** 2. Add new file **********************************");
69                System.out.println("**** 3. Delete a file *********************************");
70                System.out.println("**** 4. Search a file *********************************");
71                System.out.println("**** 5. Exit *****************************************");
72                System.out.println("**** Enter your choice: *******************************");
73                System.out.println("*********************************************************");
74 //             ch=Integer.parseInt(obj.nextLine());
75 //             return ch;
76
77    }
```

```java
77      }
78
79      /**
80       * Description: this method is used for retrieving all
81       *              files in ascending order
82       *
83       * Author:      Atharv Pratap Singh
84       *
85       * Date:        13/08/2021
86       */
87      public static void getAllFiles()
88      {
89          List<String> fileNames=FileManaging.getAllFiles(folderPath);
90
91          if(fileNames.size()==0)
92          {
93              System.out.println("no files in the directory");
94          }
95          else
96          {
97              System.out.println("file list is below: \n");
98
99              // Shows all files in folder but acending remains
100             for(String s:fileNames)
101             {
102                 System.out.println(s);
103             }
104         }
105     }
106
107     /**
108      * Description: this method is used to add a new file
109      *              along with some lines of content inside
110      *              it
111      *
112      * Author:      Atharv Pratap Singh
113      *
114      * Date:        13/08/2021
115      */
```

```java
114     * Date:          13/08/2021
115     */
116⊖   public static void createFile()
117    {
118         // Add file and content code
119
120         //variable declaration
121         Scanner obj=new Scanner(System.in);
122         String fileName;
123         int linesCount;
124         List<String> content=new ArrayList<String>();
125
126         //read file name from user
127         System.out.println("enter file name: ");
128         fileName=obj.nextLine();
129
130         //read number of lines
131         System.out.println("enter how many lines in file ?");
132         linesCount=Integer.parseInt(obj.nextLine());
133
134         //read lines from user input
135         for(int i=1;i<=linesCount;i++)
136         {
137             System.out.println("enter line "+i+":");
138             content.add(obj.nextLine());
139         }
140
141
142         //saving the content into the file
143         boolean isSaved=FileManaging.createFile(folderPath, fileName, content);
144
145         if(isSaved)
146         {
147             System.out.println("file data saved successfully");
148         }
149         else
150         {
151             System.out.println("some error is there. please contact system adminisstrator");
152         }
```

```java
151             System.out.println("some error is there. please contact system adminisstrator");
152         }
153
154         //closing scanner object
155 //      obj.close();
156     }
157
158⊖     /**
159      * Description: this method is used for deleting
160      *              the specified file in the folder
161      *
162      * Author:      Atharv Pratap Singh
163      *
164      * Date:        14/08/2021
165      */
166⊖    public static void deleteFile()
167    {
168         // Deleting the specified file
169         String fileName;
170         Scanner obj=new Scanner(System.in);
171         System.out.println("enter file name to be deleted: ");
172         fileName=obj.nextLine();
173
174         boolean isDeleted=FileManaging.deleteFile(folderPath, fileName);
175         //deleting the file
176         if(isDeleted)
177         {
178             System.out.println("file deleted successfully");
179         }
180         else
181         {
182             System.out.println("file not there or may be some other issue...");
183         }
184
185    }
186
187⊖     /**
188      * Description: this method is used to search
189      *              the specified file to know
```

```java
180          else
181          {
182              System.out.println("file not there or may be some other issue...");
183          }
184
185      }
186
187      /**
188       * Description: this method is used to search
189       *              the specified file to know
190       *              whether is it present or not
191       *              in the folder
192       *
193       * Author:      Atharv Pratap Singh
194       *
195       * Date:        14/08/2021
196       */
197      public static void searchFile()
198      {
199              // code for Searching a specified file
200              String fileName;
201              Scanner obj=new Scanner(System.in);
202              System.out.println("enter the file to be searched: ");
203              fileName=obj.nextLine();
204
205              boolean isFound=FileManaging.searchFile(folderPath, fileName);
206
207              if(isFound)
208              {
209                  System.out.println("file is found, present");
210              }
211              else
212              {
213                  System.out.println("file not found, absent");
214              }
215      }
216
217 }
218
```

THANK YOU