Lockedme.com

(Sprint work and Project specifications)

Version History:

Author	Dileep kumar arji
Purpose	Sprint work and specification of project
Date	11th Aug 2021
Version	1.0

Contents

1. Module of the project

2. Display all Files
3. Add File
4. Delete File
5. Search File

2. Sprint wise work:

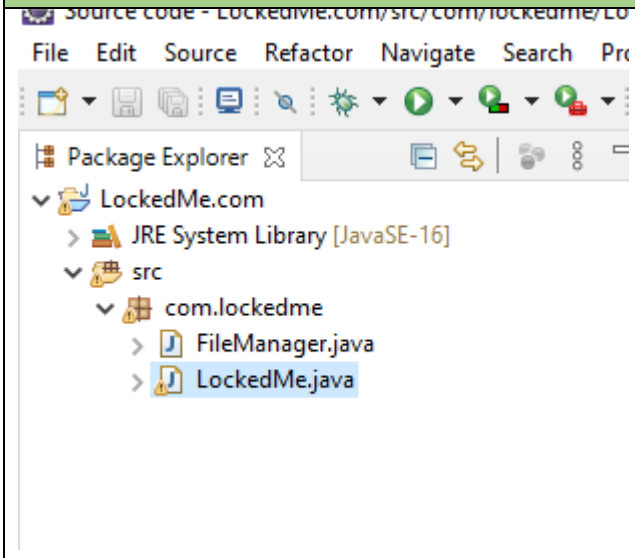
Sprint Number	Modules
1	Display all Files: Display the file that already save in the Lockedme.com
2	Add Files: Create new file what do you want
3	Delete File : Clear the file data from Lockedme.com
4	Search File: Search the file in the Lockedme.com
5	Testing Deployment

3. Git hub link:

Repository name	ArjiDileepKumar
Repository Link	https://github.com/arjidileepkumar/LockedMe.git

4. Project code:

Folder Structure



FileManager.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 the file names and the folder
	 * @param folderpath
	 * @return
	 */
	public static List<String> getAllFiles(String folderpath)
```

```
{
        //Creating File Object
        File f1 = new File (folderpath);

        //Getting all files into File array
        File [] listOfFiles = f1.listFiles();
        //Declare a list to store file names
        List<String> fileNames = new ArrayList<String>();

        for (File f:listOfFiles)
                fileNames.add(f.getName());
                //return the list
                return fileNames;

}


/**
 * this method will create or append content in the folder
 * @param folderpath
 * @param fileName
 * @return
 */
public static boolean addFiles(String folderpath,String fileName,List<String> content)

{
        try
        {
                File f = new File(folderpath,fileName);
                FileWriter fw =new FileWriter(f);
                for (String s:content)
                {
                        fw.write(s+"\n");
                }
                fw.close();
                return true;
        }
        catch(Exception Ex)
        {
                return false;
        }

}


/**
 * This method will delete the content in the folder
 * @param folderpath
 * @param fileName
 * @return
 */
public static boolean deleteFile(String folderpath, String fileName)
{
```

```
		//adding folder with file name and folderpath
		File file = new File(folderpath+"\\"+fileName);
		try
		{
			if(file.delete())
			return true;
			else
				return false;
		}
		catch(Exception Ex)
		{
			return false;
		}
	}


	/**
	 * This method will search the content in the folder
	 * @param folderpath
	 * @param fileName
	 * @return
	 */
	public static boolean searcFile(String folderpath, String fileName)
	{
		//adding folder with file name and folderpath
		File file = new File(folderpath+"\\"+fileName);
		try
		{
			if(file.exists())
			return true;
			else
				return false;
		}
		catch(Exception Ex)
		{
			return false;
		}
	}


	}
```

Lockedme.java

```
package com.lockedme;

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

```
public class LockedMe {
	// creating a folder path
	static final String folderpath="G:\\My project phase 1\\LockedMeFiles";

	// main menu calling for other methods
	public static void main(String[] args)
	{
		int proceed=1;
		//do while looping for menu display reapetly
		do
		{

		//variable declaration
		 int d;

		 //Display Menu
		d= displayMenu();


		// switch case to calling the methods
		 switch(d)
		 {
		 case 1 : getAllFiles();
					break;
		 case 2 : addFiles();
					break;
		 case 3 : deleteFile();
					break;
		 case 4 : searchingFiles();
					break;
		 case 5 : System.exit(0);
					break;
		 default : System.out.println("Invalid option");
						break;

		 }

	}while(proceed>0);

}


public static int displayMenu()
	{

		//variable declaration
	   Scanner s = new Scanner(System.in);
	   int d;
		//Menu
		System.out.println("================================================");
		System.out.println("\t\tcompanyLockerpvt.Ltd");
		System.out.println("================================================");
```

```
                    System.out.println("1.Display all files");
                    System.out.println("2.add new files");
                    System.out.println("3.Delete a file");
                    System.out.println("4.Search a file");
                    System.out.println("5. Exit");
                    System.out.println("================================================");

                     System.out.println("Enter your choice:");
                    d= Integer.parseInt(s.nextLine());
                    return d;

          }

/**
 * calling the get files into main method
 */
public static void getAllFiles()
{
          //Get files names
           List<String> fileNames = FileManager.getAllFiles(folderpath);

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

/**
 * calling adding files into main method
 */
public static void addFiles()

{
          //Adding files
          //Variable declaration
                              Scanner s = new Scanner(System.in);
                              String fileName;
                              int linesCount;
                              List<String> content = new ArrayList<String>();

                              //Read file name from user
                              System.out.println("enter file name");
                              fileName =s.nextLine();

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

                              //Read Lines from user
                              for (var i=1;i<=linesCount;i++)
                              {
                                        System.out.println("enter line"+i+":");
                                        content.add(s.nextLine());
                              }
                              //save the content into the file
```

```
                        boolean isSaved = FileManager.addFiles(folderpath, fileName, content);

                        if (isSaved)
                                System.out.println("file and data saved sucessfully");
                        else
                                System.out.println("some error occured. please contact dileep");

                        //s.close();

}

/**
 * deleting method added to main method
 */
public static void deleteFile()

{
        //variable declaration
                        String fileName;
                        Scanner s = new Scanner(System.in);

                        //Read File name from the user
                        System.out.println("enter file name:");
                        fileName = s.nextLine();

                        //deleting the file
                        boolean isDeleted = FileManager.deleteFile(folderpath, fileName);
                        if (isDeleted)
                                System.out.println("File sucessfully deleted");
                        else
                                System.out.println("File is not their");
                         //s.close();

}


/**
 * searching method added to main method
 */
public static void searchingFiles()

{
        //Variable declaration
        String fileName;
        Scanner s = new Scanner(System.in);

        //Read file name from the user
        System.out.println("enter file name to be search:");
        fileName = s.nextLine();

        //searching the File
        boolean isSearched = FileManager.searcFile(folderpath, fileName);
        if (isSearched)
```

```
                System.out.println("File is present in the folder");
        else
                System.out.println("File is not present in the folder");
         //s.close();

}
}
```