

Lockedme.com

(Sprint work and Project specifications)

Version History:

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

Contents

1. Module of the project	3
2. Sprint wise work:.....	3
3. Git hub link:	3
4. Project code:	4
5. Mapping	11

1. Module of the project

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

2. Sprint wise work:

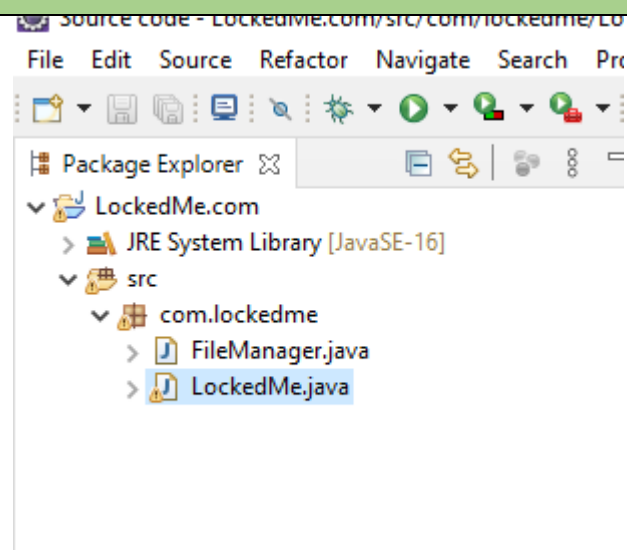
Sprint Number	Modules
1	Display all Files: Display the file that already save in the Lockedme.com
2	Add Files: Create new file what do you want
3	Delete File : Clear the file data from Lockedme.com
4	Search File: Search the file in the Lockedme.com
5	Testing Deployment

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 searchFile(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 reapeetly
        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);

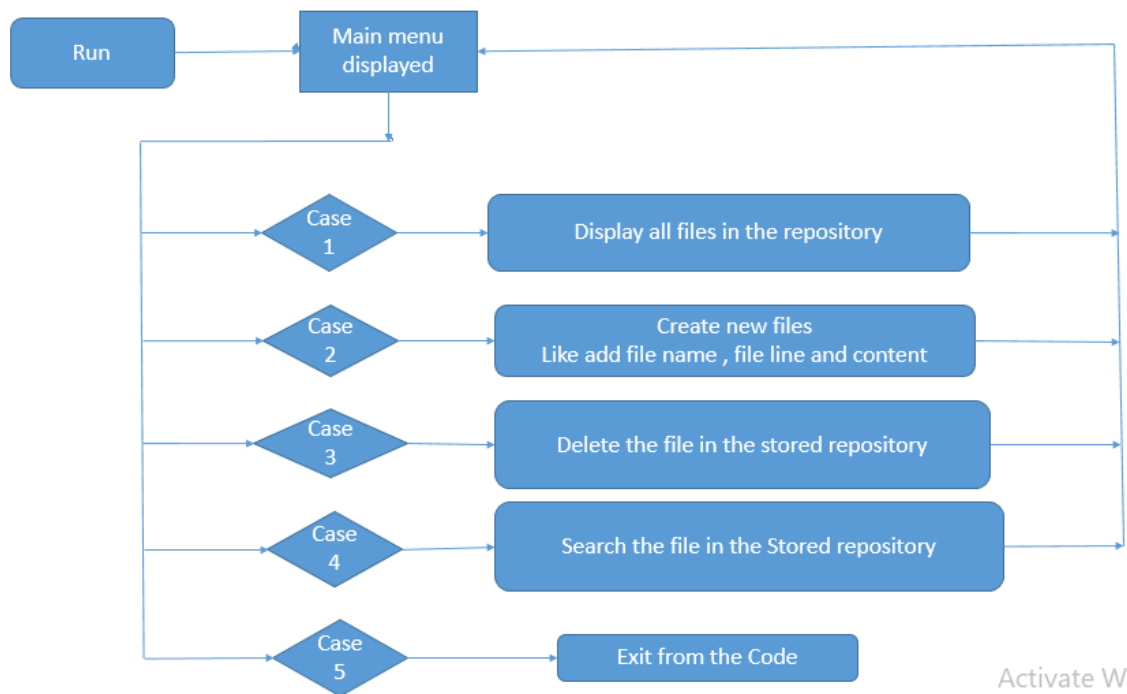
        //Read file name from the user
        System.out.println("enter file name to be search:");
        fileName = s.nextLine();

        //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();  
}  
}
```

5. Mapping



Activate Windows