

# LockedMe.Com

## (Sprint Work & Project Specification)

### Version History

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Purpose	Screenshot of the Application
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# Contents

1. Modules in the project.....	3
2. Sprint Wise Work .....	3
3. Project GITHUB Link : .....	3
4. Project Code.....	4

## 1. Modules in the project

1. Display All Files
2. Add File
3. Delete File
4. Search File
5. Exit

## 2. Sprint Wise Work

Sprint Number	Modules
1	Display All Files Add new File
2	Delete File Search File Testing Deployment (Creating a Jar file)

## 3. Project GITHUB Link:

Repository Name
SL_FSD_PHASE1_Project
GITHUB Link
<a href="https://github.com/mursky66/SL_FSD_PHASE1_Project">https://github.com/mursky66/SL_FSD_PHASE1_Project</a>

## 4. Project Code

### Folder Structure



```
Package Explorer
└─ MsFsdPhase1Project
   └─ JRE System Library [JavaSE-1.8]
      └─ src
         └─ com.lockedme
            ├── FileManager.java
            └─ LockedMeProject.java
```

### 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 from the folder
     * @param folderpath
     * @return List<String>
     */
    public static List<String> getAllFiles(String folderpath)
    {
        //Creatinf File Object
        File fl = new File(folderpath);

        //Getting all the files into fileArray
        File[] listOffiles = fl.listFiles();

        //Declare list to store file name
        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 contend into the file specified
     * @param folderpath
     * @param filename
     * @param content
     * @return boolean
     */
    public static boolean createFiles(String folderpath,String filename, List<String> content)
    {
        try
        {
```

```

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

/**
 * This method will delete file name if it exists.
 * @param folderpath
 * @param fileName
 * @return
 */
public static boolean deleteFile(String folderpath, String fileName)
{
    //adding folderpath with file name and creating file object
    File file = new File(folderpath+"\\ "+fileName);

    try
    {
        if(file.delete())
            return true;
        else
            return false;
    }
    catch(Exception Ex)
    {
        return false;
    }
}

/**
 * This method will searchh file from the folder
 * @param folderpath
 * @param fileName
 * @return
 */
public static boolean searchFile(String folderpath, String fileName)
{
    //adding folderpath with file name and creating file object
    File file = new File(folderpath+"\\ "+fileName);
    if(file.exists())
        return true;
    else
        return false;
}
}

```

## LockedMeProject.java

```
package com.lockedme;

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

public class LockedMeProject
{
    static final String folderpath="G:\\Lerning\\SL Mattirial\\Course-2\\Project work self\\LockedMeFiles";
    public static void main(String[] args)
    {
        int proceed=1;

        do
        {

            //Variable Declaration
            Scanner obj = new Scanner(System.in);
            int ch;

            //Menu
            displayMenu();
            System.out.println("Enetr your choice:");
            ch=Integer.parseInt(obj.nextLine());

            switch(ch)
            {
                case 1 : getAllFiles();
                                break;
                case 2 : createFiles();
                                break;
                case 3 : deleteFiles();
                                break;
                case 4 : searchFiles();
                                break;
                case 5 : System.exit(0);
                                break;
                default : System.out.println("Invalid Option");
            }

        }while(proceed>0);
    }

    public static void displayMenu()
    {
        System.out.println("*****");
        System.out.println("\t\t\tComapany Lockers Pvt. Ltd.");
        System.out.println("*****");
        System.out.println("1. Display All files");
        System.out.println("2. Add new file");
        System.out.println("3. Delete a file");
        System.out.println("4. Search a file");
        System.out.println("5. Exit");
        System.out.println("*****");
    }

    /**
     * This is GetAll files method
     */
    public static void getAllFiles()
```

```

    {
//Get File names
        List<String> fileNames = FileManager.getAllFiles(folderpath);

        for(String f:fileNames)
            System.out.println(f);
    }
    /**
     * This is Creating files method
     */
    public static void createFiles()
    {

        Scanner obj = new Scanner(System.in);
        String fileName;
        int lineCount;
        List<String> content = new ArrayList<String>();

        //Read file name from user
        System.out.println("Enter File Name :");
        fileName=obj.nextLine();

        //Read number of line from user
        System.out.println("Enter how many line in the file:");
        lineCount=Integer.parseInt(obj.nextLine());

        //Read Lines from user
        for(int i=1;i<=lineCount;i++)
        {
            System.out.println("Enter line "+i+":");
            content.add(obj.nextLine());
        }

        //Save the content into the file
        boolean isSaved = FileManager.createFiles(folderpath, fileName, content);

        if(isSaved)
            System.out.println("File and data saved succesfull");
        else
            System.out.println("Some error ocured. please contact admin@mayur.com");

    }
    /**
     * This is delete file method
     */
    public static void deleteFiles()
    {
        //Code for deleting file
        String fileName;
        Scanner obj = new Scanner(System.in);

        //Read file name from user
        System.out.println("Enter file name to be deleted:");
        fileName=obj.nextLine();

        //Delete the file
        boolean isDeleted = FileManager.deleteFile(folderpath, fileName);

        if(isDeleted)
            System.out.println("File deleted successfully");
        else
            System.out.println("Either file not there or some access issue");

    }
    /**
     * This is search file method
     */

```

```
public static void searchFiles()
{
    String fileName;
    Scanner obj = new Scanner(System.in);

    //Read file name from user
    System.out.println("Enter file name to be searched:");
    fileName=obj.nextLine();

    //Search the file
    boolean isFound = FileManager.searchFile(folderpath, fileName);

    if(isFound)
        System.out.println("File is present");
    else
        System.out.println("File is not present");
}
}
```