Lockedme.com
(Sprint work and Project specification)

Version History:

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Purpose	**Sprint work and Project specification with Code**
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Version	**1.0**

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1. Modules in the Project:

- Display all files
- Add Files
- Delete File
- Search File

2 Java Technologies Used:

- Exception Handling
- Working with Files
- Naming Standards
- Modularity
- Object Oriented Programming
- Collections
- Control Structure
- Data Structure

3 Sprint Work wise:

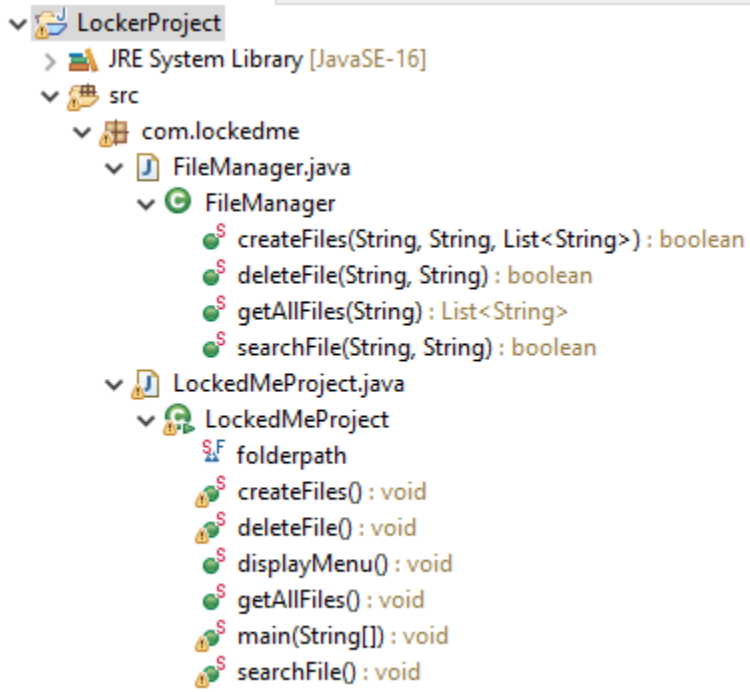
Sprint Number	Modules
1.	>> Display all files: This module will display all the file name in the folder >> Add new files: This Module will add file in the folder
2.	>>Delete Files: This module will be used to delete the file. >>Search File : This module will be used to search the file. >>Testing >>Deployment (Creating a Jar File)

4 GITHUB link:

https://github.com/amanlogin/MyPhase1Project

5 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 all the file name from the folder
	 * @param folderpath
	 * @return List <String>
	 */
	public static List<String> getAllFiles (String folderpath)
	{
		//Creating File Object
		File fl = new File(folderpath);

		//Getting all the file into FileArray
		File [] listOfFile = fl.listFiles();

		//Declare a list to store file names
		List<String> fileNames = new ArrayList<String>();

		for(File f:listOfFile)
			fileNames.add(f.getName());
```

```
		//return the List
		return fileNames;

	}
	/**
	 * This method will create content 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 the specific file if exist
 * @param folderpath
 * @param fileName
 * @return
 */
	public static boolean deleteFile (String folderpath, String fileName)
	{

		//adding folder path 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 code will search the specific file if exist
	 * @param folderpath
	 * @param fileName
	 * @return
	 */

	public static boolean searchFile (String folderpath, String fileName)
	{
		//adding folder path 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 = "D:\\MyPhase1Project\\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("Enter your Choice:");
			ch=Integer.parseInt(obj.nextLine());

			switch(ch)
			{
			case 1 : getAllFiles();
					break;
			case 2 : createFiles();
					break;
			case 3 : deleteFile();
```

```
                        break;
                case 4 : searchFile();
                        break;
                case 5 : System.exit(0);
                        break;
                default : System.out.println("Invalid Option");
                        break;
                }
                }
        while(proceed>0);
    }
    public static void displayMenu()
    {
        System.out.println("*************************************************");
        System.out.println("\t\tLockedMe.com");
        System.out.println("*************************************************");
        System.out.println("1. Get all file");
        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 method is for getting the file name.
     */
    public static void getAllFiles()
    {
        //Getting the File Name

        List<String> fileNames = FileManager.getAllFiles(folderpath);

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

    }

    /**
     * This method is to create the files
     */
    public static void createFiles()
    {
        //Variable Declaration
        Scanner obj = new Scanner (System.in);
        String fileName;
        int linesCount;
        List<String> content = new ArrayList<String>();

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

        //Read number of lines from user
        System.out.println("Enter how many line in the file:");
```

```
                linesCount= Integer.parseInt(obj.nextLine());

                //Read Lines from user
                for(int i=1; i<=linesCount;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 is saved sucessfully");
                else
                        System.out.println("Some error occured. Please contact
admin@LockedMe.com");
        }

        /**
         * This method is to delete the specific file
         */
        public static void deleteFile()
        {
                //Variable Declaration
                String fileName;
                Scanner obj = new Scanner(System.in);

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

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

                if(isDeleted)
                        System.out.println("File deleted successfully");
                else
                        System.out.println("File not found! Enter valid file name.");
        }

        /**
         * This method is to search the file.
         */
        public static void searchFile()
        {
                //Variable Declaration
                String fileName;
                Scanner obj = new Scanner(System.in);

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

                //Searching the file
```

```
		boolean isFound = FileManager.searchFile(folderpath, fileName);

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

	}

}
```