LockedMe.com
(Sprint work and project specification)

Version History:

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Purpose	Screenshot of application
Date	17th Aug 2021
Version	1.0

Contents

1. Modules in the project

1. Display all files
2. Add files
3. Delete files
4. Search File

2. Sprint Work

Sprint Number	Modules
1	Display all Files Add new Files
2	Delete files Search File Testing Deployment
3	Code rechecking and optimization

3. Project Git Hub Link:

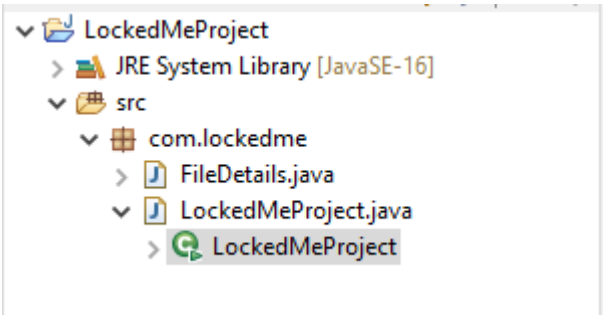
https://github.com/vishwajitjogalekar/LockedMeProject

4. Java Technologies Used:

Exception Handling
Collections
Working with files
Naming Standards
Object Oriented Programming

5. Project Code:

Folder Structure



FileDetails.java

```
package com.lockedme;

import java.io.File;
import java.io.FileWriter;
import java.util.ArrayList;
import java.util.Collections;
import java.util.List;

public class FileDetails {

	static boolean flag=false;

	/**
	 * This method will return the names of all the files in the
specified folder
	 * @param folderPath
	 * @return fileNames
	 */
	public static void getAllFiles(String folderPath)
	{
		// Creating File Object
		File file=new File(folderPath);

		// Getting all the files into File Array
		File[] listOfFiles= file.listFiles();

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

	    for (File f1 : listOfFiles) {
			fileNames.add(f1.getName());
		}
```

```
            Collections.sort(fileNames, String.CASE_INSENSITIVE_ORDER);

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

      /**
       * This method will create file into the specified folder.
       * @param folderpath
       * @param fileName
       * @param content
       * @return boolean
       */
      public static void createFile(String folderpath, String fileName,
List<String> content)
      {
            try
            {
                  File file =new File(folderpath,fileName);
                  FileWriter writer=new FileWriter(file);


                  for(String s:content)
                  {
                        writer.write(s+"\n");
                  }
                  writer.close();
                  flag= true;
            }
            catch(Exception e)
            {
                  flag= false;
            }

            if(flag)
                  System.out.println("File created successfully");
            else
                  System.out.println("File not created, some error
occured");
      }

      /**
       * This method will delete the file from folder
       * @param folderpath
       * @param fileName
       * @return boolean
       */
      public static void deleteFile(String folderpath, String fileName)
      {
            File file =new File(folderpath+"\\"+fileName);
```

```
            try
            {
                if(file.delete())
                  flag= true;
                  else
                        flag= false;

            }
            catch(Exception e)
            {
                  flag= false;
            }

            if(flag)
                  System.out.println("File deleted successfully");
            else
                  System.out.println("File not deleted, some error
occured");

      }

      /**
       * This method is used to search a file if the file exist in
directory
       * @param folderpath
       * @param fileName
       * @return boolean
       */
      public static void searchFile(String folderpath, String fileName)
      {
            File file =new File(folderpath+"\\"+fileName);
            try
            {
                if(file.exists())
                  flag= true;
                  else
                        flag= false;

            }

            catch(Exception e)
            {
                  flag= false;
            }

            if(flag)
                  System.out.println("The Searched File "+fileName+" is
present");
            else
```

```
                    System.out.println("File not present, some error
occured");
      }

}
```

LockedMeProject.java

```
package com.lockedme;

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

public class LockedMeProject {

      static final String folderpath="E:\\Simplilearn
Docs\\Phase1Project\\Locker Project File";
      public static void main(String[] args) {

            // Variable Declaration
            Scanner sc=new Scanner(System.in);

            int choice;
            int proceed=1;


      System.out.println("**********************************************
********");
            System.out.println("\t Company Lockers Pvt. Ltd.");
            System.out.println("\t Project- Locker Project");
            System.out.println("\t Developed by- Vishwajit Jogalekar");

      System.out.println("**********************************************
********");

            do {
            //Menu

      System.out.println("**********************************************
********");
            System.out.println("1. Display all Files in Ascending Order");
            System.out.println("2. Add new File to folder");
            System.out.println("3. Delete file from folder");
            System.out.println("4. Search file");
            System.out.println("5. Exit");
```

```
	System.out.println("**********************************************
********");
			System.out.println("Enter Your Choice");
			choice=Integer.parseInt(sc.nextLine());
			System.out.println();

				switch(choice)
				{
					case 1:
						FileDetails.getAllFiles(folderpath);
						break;
					case 2:
						addNewFile(sc);
						break;
					case 3:
						deleteFile(sc);
						break;
					case 4:
						searchFile(sc);
						break;
					case 5:

	System.out.println("**********************************************
********");

							System.out.println("Thank You!! Application
is closed");
							proceed=0;
							break;
					default:
							System.out.println("Invalid Option is
selected");
							break;
				}

			}while(proceed>0);

	}

	public static void searchFile(Scanner sc) {
			String fileName;
			System.out.println("Enter file Name");
			fileName=sc.nextLine();
			FileDetails.searchFile(folderpath, fileName);
	}

	public static void deleteFile(Scanner sc) {
			String fileName;
			System.out.println("Enter file Name");
```

```
            fileName=sc.nextLine();
            FileDetails.deleteFile(folderpath, fileName);
      }

      public static void addNewFile(Scanner sc) {
            String fileName;
            int linesCount;
            List<String> fileContent= new ArrayList<String>();

            System.out.println("Enter file Name");
            fileName=sc.nextLine();

            // Read number of lines from the user
            System.out.println("Enter lines in the file");
            linesCount=Integer.parseInt(sc.nextLine());

            // Read lines from user
            for(int i=0;i<linesCount;i++)
            {
                  System.out.println("Enter line"+i+":");
                  fileContent.add(sc.nextLine());
            }
            FileDetails.createFile(folderpath, fileName, fileContent);
      }

}
```