Company Locked
(Sprint work and Project Specification)

Version History

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Purpose	Screenshots of the application
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1.Modules in the Project

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2.Sprint wise work

Sprint Number	Modules
1	Display All Files Create File
2	Delete File Search File Exit
3	Testing File Deployment(Creating jar File)

2.1.Display All Files:

In this method all the files present in the directory is displayed.

2.2.Create File:

In Create File option user can create a new file .

2.3.Delete File:

In these user can delete any file in directory by selecting option Delete File.

2.4.Search File:

User can search any file in the directory by using Search File Option.

2.5.Testing File:

Testing File is done by complier to verify the code.by this we can rectify errors and can get output/result.

2.6.Deployment(Creating Jar File):

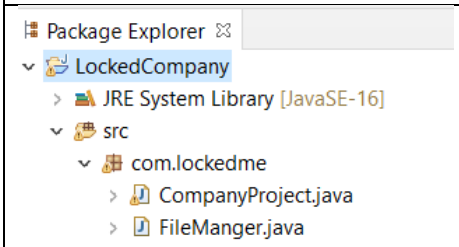
By creating a jar file we can run program in Command Prompt. Jar File can be run without any Development Kit Application. In Jar File user can access program easily.

3.Project Git Hub Link

Repository Name
GitHub Link

4.Project Code

1.Folder Structure:



2.FileManger:

```java
package com.lockedme;

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

public class FileManger
{
	/**
	 * This method return file names
	 * @param folderpath
	 * @return list<String>
	 */
	public static List<String>  getAllFiles(String folderpath)
	{

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

		//Getting all the files into FileArray
		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
		return fileNames;
}
```

```java
	/**
	 * This method is for create content in files
	 * @param folderpath
	 * @param fileName
	 * @param content
	 * @return boolean
	 */

	public static boolean createFiles(String folderpath,String fileName,List<String>
content)
	{
		//create files in folder
		try
		{
			File fl=new File(folderpath,fileName);
			FileWriter fw=new FileWriter(fl);
			for(String s:content)
			{
				fw.write(s+"\n");
			}
			fw.close();
			return true;
		}
	//return false if file is not created
		catch(Exception ex)
		{
			return false;
		}
	}
	/**
	 * This Method is for Deleting files
	 * @param folderpath
	 * @param fileName
	 * @return boolean
	 */
	public static boolean deleteFile(String folderpath,String fileName)
	{
		//create path for deleting file
		File file=new File(folderpath+"\\"+fileName);
		try
		{
			if(file.delete())
				return true;
			else
				return false;
		}
		catch(Exception ex)
		{
			return false;
		}
	}
	/**
	 * This Method is for Searching  files
	 * @param folderpath
	 * @param fileName
	 * @return boolean
	 */
	public static boolean searchFile(String folderpath,String fileName)
	{
		//create file search option and file object
		File file=new File(folderpath+"\\"+fileName);
		if(file.exists())
			return true;
		else
			return false;
	}
```

```
}
```

Company Locked Pvt.Ltd

```
package com.lockedme;


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

public class CompanyProject
{
	static final String folderpath="D:\\MyFirstProject\\ProjectFiles";
	public static void main(String[] args)
	{
		int proceed=1;
		do
			{
				//variable declaration
				Scanner obj =new Scanner(System.in);
				int c;

				//Menu
				displayMenu();
				System.out.println("Enter your choice:");
				c=Integer.parseInt(obj.next());

				switch(c)
				{
					case 1: getAllFiles();
							break;
					case 2: createFile();
							break;
					case 3:	deleteFile();
							break;
					case 4: searchFile();
							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\tCompany Locked Pvt.Ltd.");
		System.out.println("*****************************************");
		System.out.println("1.Display all files\n2.Add new File\n3.Delete
a File\n4.Search a File\n5.Exit");
		System.out.println("*****************************************");

    }

	public static void getAllFiles()
```

```
	{
		//Getting File Name
		List<String> fileNames=FileManger.getAllFiles(folderpath);
		if(fileNames.size()==0)
		{
			System.out.println("NO Files exists in Directory");
		}
		else
		{
			System.out.println("Files List below :\n");
		for(String f:fileNames)
			System.out.println(f);
		}
	}

	public static void createFile()
	{
				//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 FILE NAME:");
				fileName=obj.nextLine();

				//Read number of line from user
				System.out.println("Enter how many line in the
files:");
				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=FileManger.createFiles(folderpath,fileName,content);

				if(isSaved)
					System.out.println("File and data saved
succesfully");
				else
					System.out.println("some error occured.Please
contact admin@sk.com");



	}

	public static void deleteFile()
	{
				//Deleting file and creating file obj
				String fileName;
				Scanner obj=new Scanner(System.in);
```

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

                        boolean isDeleted =FileManger.deleteFile(folderpath,
fileName);

                        if(isDeleted)
                               System.out.println("file is Deleted
Sucessfully");
                        else
                               System.out.println("file not found ");


        }

        public static void searchFile()
        {
               //Code for Searching  a file
                        String fileName;
                        Scanner obj=new Scanner(System.in);

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

                        boolean isFound =FileManger.searchFile(folderpath,
fileName);


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


        }


}
```