Company Locked
(Sprint work and Project Specification)

Version History

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Purpose	Screenshots of the application
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Contents

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2.Java Technologies Used:

1.Naming Standards

2.Exceptional Handling

3.Working with Files

4.Modularity

5.Object Oriented Programming

6.Collections

7.Control Structures

8.Data Structure

3.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)

3.1.Display All Files:

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

3.2.Create File:

In Create File option user can create a new file .

3.3.Delete File:

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

3.4.Search File:

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

3.5.Testing File:

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

3.6.Deployment(Creating Jar File):

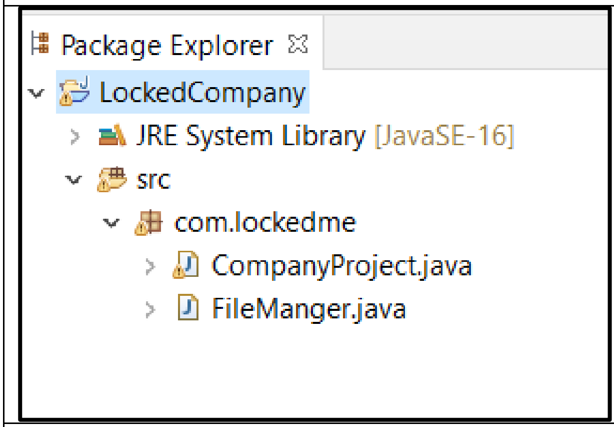
By creating a jar file we can run program in Command Prompt. Jar File can be run without any Development Kit Application. In Jar File user can access program easily.

4.Project Git Hub Link:

Repository Name
FirstPhaseProject
GitHub Link

5.Project Code:

1.Folder Structure:



Package Explorer

LockedCompany

JRE System Library [JavaSE-16]

src

com.lockedme

CompanyProject.java

FileManger.java

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;
}
        /**
         * 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 ");


        }


}
```