Project specification and Sprints

VirtualLocked.com

Version history:

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Purpose	Screenshot
Date	12/08/1996
Version	1.0

Contents

1. Module in the project:

1.Display Files-It will display will all the files in the particular Folder

2.Add Files- if we want to add the new files with some info, we used this feature

3.Delete Files-if we want to delete files from the folder

4.Search Files- if we want to search the folder from the folder

2. Java Technology

- Exceptional handling
- Working with files
- Naming Standard
- Modularity
- Oops concept
- Collections
- Control Structure
- Data Structure

3. Sprint wise Work:

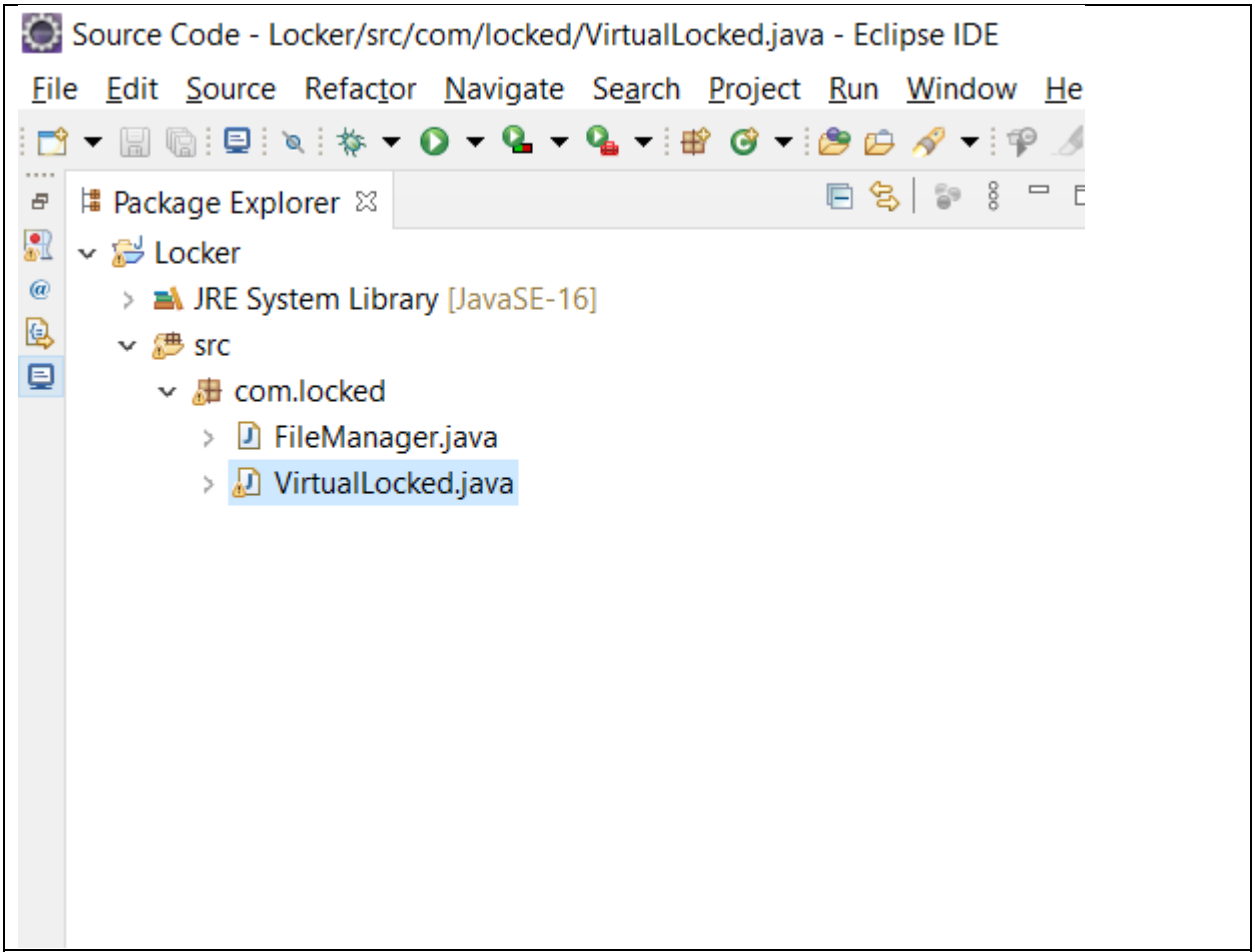
Sprint number	Modules
1	Display All files Add new files
2	Search files Delete files Deployment in jar

4. Project github link

Repository Name	
GitHub Link	

5.Project Code

Folder structure:



File manager:

```
package com.locked;

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

public class FileManager
{
	/**
	 * this method all the files name from the folder
	 * @param folderpath
	 * @return list of string
	 */
	public static List<String> getAllFiles(String folderpath)
	{

		//creating file object
		File fl=new File(folderpath);

		//Getting all the files into FileArray
		File[] listofFiles = fl.listFiles();
```

```
		//Declare a List to Store files names
		List<String> fileNames=new ArrayList<String>();

		for(File f:listofFiles)
				fileNames.add(f.getName());

		//return the list
		return fileNames;

	}

	/**
	 * tThis method will create or append content into the file specified
	 * @param folderpath
	 * @param fileName
	 * @param content
	 * @return boolean
	 */
	public static boolean writeContentToFile(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 delete the file if it exists
	 * @param folderpath
	 * @param fileName
	 * @return
	 */
	public static boolean deleteFile(String folderpath, String fileName)
	{
				File file=new File(folderpath+"\\"+fileName);
		try
		{
			if(file.delete())
				return true;
```

```
                        else
                                return false;
                }catch(Exception Ex)
                {
                        return false        ;
                }

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

                if(file.exists())
                        return true;
                else
                        return false;
        }


}
```

Virtual locked me code:

```
package com.locked;

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

public class VirtualLocked
{
        static final String folderpath="D:\\My phase1 Project\\Lockedfiles";

        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 the 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");
                      break;

                }
                }while(proceed>0);



        }
        public static void displayMenu()
        {
                System.out.println("*************************************");
                System.out.println("\tCompany Lockers pvt ltd");
                System.out.println("*************************************");
                System.out.println("1.Display all files");
                System.out.println("2.Add files");
                System.out.println("3.Delete files");
                System.out.println("4.Search files");
                System.out.println("5.Exit");

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

        }
        /**
         * Method for all files
         */
        public  static void getAllFiles()
        {
List<String> fileNames=FileManager.getAllFiles(folderpath);

           for(String f:fileNames)
        System.out.println(f);
        }
        /**
         * Method for creating files
         */
        public  static void createFiles()
```

```
{
        Scanner obj = new Scanner(System.in);
        String  fileNames;
        int linesCount;
        List<String> content = new ArrayList<String>();

        //Read file name user
        System.out.println("Enter the File Name");
        fileNames=obj.nextLine();

        //read no. of line from the user
        System.out.println("Enter how many lines in the files");
        linesCount=Integer.parseInt(obj.nextLine());

        //read no. of line from the user
        for(int i=1;i<=linesCount;i++)
        {
            System.out.println("Enter the line "+i+":");
            content.add(obj.nextLine());
        }
        //save the content into the file
        boolean isSaved = FileManager.writeContentToFile(folderpath, fileNames, content);
                    if(isSaved)
                        System.out.println("File and data save successfully");
                    else
                       System.out.println("Some error occurred Please contact @admin");
        //close obj
        //obj.close();

    /**
     *Method  For deleting files
     */
    }
    public static void deleteFiles()
    {
            String fileName;
       Scanner obj=new Scanner(System.in);
       System.out.println("Enter file name to be deleted");

       fileName=obj.nextLine();

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

       if(isDeleted)
            System.out.println("File deleted Succussfully");
       else
       System.out.println("Either file not there or some access issue");
      // obj.close();
    }
    /**
     * Method for searching files
     */
```

```
	public static void searchFiles()
	{
		String fileName;
	    Scanner obj=new Scanner(System.in);
	    System.out.println("Enter file name to be Search:");

	    fileName=obj.nextLine();

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

	    if(isFound)
		System.out.println("File is present in the Folder");
	    else
	    System.out.println("File is not present in the folder");
	    //obj.close();
	}

}
```