LOCKEDME.COM

PROJECT SPECIFICATION
AND
SPRINT DETAILS

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PURPOSE	PROJECT SPECIFICATION AND SPRINT DETAILS
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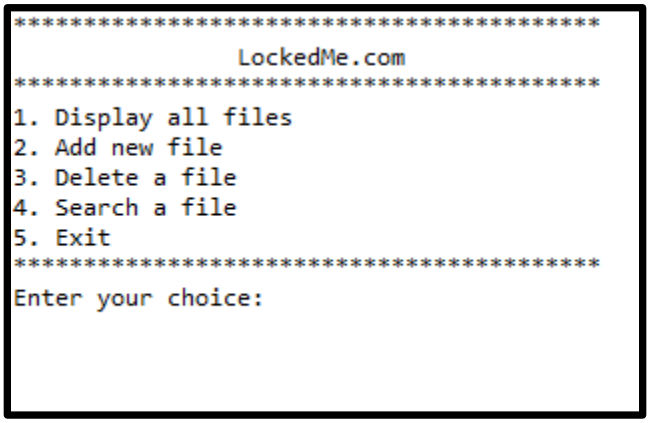
VERSION	1.0

Contents

1.MODULES OF THE PROJECT:

1. Display all files
2. Add a file
3. Delete a file
4. Search a file
5. Exit



2.SPRINT WISE WORK:

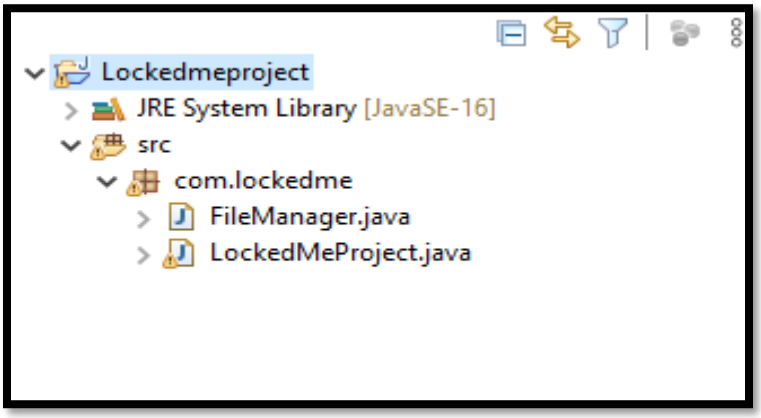
SPRINT NUMBER	MODULES
1	• Display all files • Add new files
2	• Delete file • Search file • Testing • Deployment (creating jar file)

3.PROJECT GITHUB LINK:

REPOSITORY NAME : lockedme.com
GITHUB LINK : https://github.com/sarahyas678/lockedme.com

4.PROJECT CODE:

1. Folder structure:



2. 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 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 files into FileArray
          File[] listofFiles = fl.listFiles();

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

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

             //return the list
           return fileNames;

   }
   /**
    * This method will create or append 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 file name if it exists
    * @param folderpath
    * @param fileName
    * @return
    */
    public static boolean deleteFile(String folderpath, String fileName)
    {
       //adding folderpath 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 method will search the file from the folder
     * @param folderpath
     * @param fileName
     * @return
     */
     public static boolean searchFile(String folderpath, String fileName)
     {
        //adding folderpath with file name and creating file object
        File file = new File(folderpath+"\\"+fileName);

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


}
```

3. Lockedmeproject.java

```
package com.lockedme;

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


public class LockedMeProject
{
   static final String folderpath= "C:\\Users\\sarah\\OneDrive\\Desktop\\simplilearn\\phase 1
project\\LockedMeFiles";
   public static void main(String[] args)
{

        int proceed=1;

  do
  {
```

```
                        //Variable decleration
                        int ch;

                        // display Menu
      ch=displayMenu();



    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);
}


        /**
         * @return
         *
         */
        public static int displayMenu()

        {
                Scanner obj = new Scanner(System.in);
                int ch;

                 System.out.println("****************************************");
            System.out.println("\t\tLockedMe.com");
            System.out.println("****************************************");
            System.out.println("1. Display all files");
            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("****************************************");
            System.out.println("Enter your choice:");
            ch=Integer.parseInt(obj.nextLine());


                 return ch;
```

```
	}
	/**
	 *
	 */
	public static void getAllFiles()
	{
		// get file names
		List<String> fileNames = FileManager.getAllFiles(folderpath);

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

	}
	/**
	 *
	 */
	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 file name:");
			fileName=obj.nextLine();

			//Read number of lines from user
			System.out.println("Enter how many lines 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 saved successfully");
			else
				System.out.println("some error occured. please contact
admin@sarah.com");

	}
	/**
	 *
```

```
		 */
		public static void deleteFile()
		{
		// code for deleting file
				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 successfully");
				else
					System.out.println("Either file not there or some acess
	issue");

		}
		/**
		 *
		 */
		public static void searchFile()
		{
			 // code for searching a file
			String fileName;
			Scanner obj = new Scanner(System.in);
			System.out.println("Enter file name to be searched:");
			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");

		}
	}
```