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| Lockedme.com  (Sprint work and project specification) |

Version History:

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| Purpose | Sprint details and project specification |
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1. Modules in the project:

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

2. Java technologies used:

1. Object oriented programing

2. File handling

3. Naming Standards

4. Exception Handling

5. Modularity

6. Collections

7. Data Structures

8. Control structures

3. Sprint wise work:

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| Sprint number | Modules |
| 1 | Display all files:  Display all files present in the folder.  Add new files:  Creating new file and adding new content to the file. |
| 2 | Delete file:  Checks whether file exists in the folder and deletes it.  Search file:  Searches if file is present or not.  Testing:  Checking if all the functions are working properly or not.  Deployment:  Creating jar file |
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4. Project GITHUB Link

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| Repository Name:- |
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| GITHUB link:- |
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5. Project Code:

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| 1. Folder Structure:- |
| 1. Filehandler.java:-   **package** com.lockedme;  **import** java.io.File;  **import** java.io.FileWriter;  **import** java.util.ArrayList;  **import** java.util.Arrays;  **import** java.util.Collections;  **import** java.util.List;  **public** **class** FileHandler  {  **public** **static** List<String> getAllFiles(String folderpath)  {  File f1 = **new** File(folderpath);  File[] listOfFiles= f1.listFiles();  List<String> fileNames= **new** ArrayList<String>();    **for**(File f:listOfFiles)  fileNames.add(f.getName());    **return** fileNames;    }  /\*\*  \* This file will create or append the content into the file.  \* **@param** folderpath  \* **@param** fileName  \* **@param** content  \* **@return** boolean  \*/  **public** **static** **boolean** createFile(String folderpath,String fileName, List<String> content)  {  **try**  {  File f1=**new** File(folderpath,fileName);  FileWriter fw=**new** FileWriter(f1);    **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)  {  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 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**;    }  } |
| 1. LockedMe.java:-   **package** com.lockedme;  **import** java.util.List;  **import** java.util.Scanner;  **import** java.util.ArrayList;  **public** **class** LockedMe  {  **static** **final** String ***folderpath***="A:\\OMKAR\\java\\Project Files";  **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 Your choice:");  ch=Integer.*parseInt*(obj.nextLine());    **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);          }    **public** **static** **void** displayMenu()  {  //Displaying Menu  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("------------------------------------------------");  }  **public** **static** **void** getAllFiles()  {    //Get File names  List<String> fileNames=FileHandler.*getAllFiles*(***folderpath***);    **if**(fileNames.size()==0)  System.***out***.println("Empty Folder");  **else**  {  System.***out***.println("List of Files:");  **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 filename from user  System.***out***.println("Enter file Name:");  fileName=obj.nextLine();    //Read number of lines from user  System.***out***.println("Enter no of lines in 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 content to the file  **boolean** isSaved= FileHandler.*createFile*(***folderpath***, fileName, content);    **if**(isSaved)  System.***out***.println("File and data saved succesfully.");  **else**  System.***out***.println("Some error occured. Please contact admin");    }    **public** **static** **void** deleteFile()  {  // Code for deleting the file  String fileName;  Scanner obj=**new** Scanner(System.***in***);  System.***out***.println("Enter filename to be deleted:");  fileName=obj.nextLine();    **boolean** isDeleted= FileHandler.*deleteFile*(***folderpath***, fileName);  **if**(isDeleted)  System.***out***.println("File deleted Succesfully....!");  **else**  System.***out***.println("File not found.");  }  **public** **static** **void** searchFile()  {  // Code for searching the file  String fileName;  Scanner obj=**new** Scanner(System.***in***);  System.***out***.println("Enter filename to be searched:");  fileName=obj.nextLine();    **boolean** isFound= FileHandler.*searchFile*(***folderpath***, fileName);  **if**(isFound)  System.***out***.println("File is present in the folder....!");  **else**  System.***out***.println("File not found.");  }  } |
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