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

Version History:

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| Author | Vishwajit Jogalekar |
| Purpose | Screenshot of application |
| Date | 17th Aug 2021 |
| Version | 1.0 |

Contents

1. Modules in project
2. Sprint Work
3. Project GitHub Link
4. Java Technologies Used
5. Project code

1. Modules in the project

1. Display all files
2. Add files
3. Delete files
4. Search File

2. Sprint Work

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| Sprint Number | Modules |
| 1 | Display all Files  Add new Files |
| 2 | Delete files  Search File  Testing  Deployment |
| 3 | Code rechecking and optimization |

3. Project Git Hub Link:

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| https://github.com/vishwajitjogalekar/LockedMeProject |

1. Java Technologies Used:

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| Exception Handling |
| Collections |
| Working with files |
| Naming Standards |
| Object Oriented Programming |

1. Project Code:

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| Folder Structure |
| **FileDetails.java**  **package** com.lockedme;  **import** java.io.File;  **import** java.io.FileWriter;  **import** java.util.ArrayList;  **import** java.util.Collections;  **import** java.util.List;  **public** **class** FileDetails {    **static** **boolean** *flag*=**false**;    /\*\*  \* This method will return the names of all the files in the specified folder  \* **@param** folderPath  \* **@return** fileNames  \*/  **public** **static** **void** getAllFiles(String folderPath)  {  // Creating File Object  File file=**new** File(folderPath);    // Getting all the files into File Array  File[] listOfFiles= file.listFiles();    //Declare a list to store file names  List<String> fileNames=**new** ArrayList<String>();    **for** (File f1 : listOfFiles) {  fileNames.add(f1.getName());  }    Collections.*sort*(fileNames, String.***CASE\_INSENSITIVE\_ORDER***);    **for**(String s:fileNames)  System.***out***.println(s);  }    /\*\*  \* This method will create file into the specified folder.  \* **@param** folderpath  \* **@param** fileName  \* **@param** content  \* **@return** boolean  \*/  **public** **static** **void** createFile(String folderpath, String fileName, List<String> content)  {  **try**  {  File file =**new** File(folderpath,fileName);  FileWriter writer=**new** FileWriter(file);    **for**(String s:content)  {  writer.write(s+"\n");  }  writer.close();  *flag*= **true**;  }  **catch**(Exception e)  {  *flag*= **false**;  }    **if**(*flag*)  System.***out***.println("File created successfully");  **else**  System.***out***.println("File not created, some error occured");  }    /\*\*  \* This method will delete the file from folder  \* **@param** folderpath  \* **@param** fileName  \* **@return** boolean  \*/  **public** **static** **void** deleteFile(String folderpath, String fileName)  {  File file =**new** File(folderpath+"\\"+fileName);  **try**  {  **if**(file.delete())  *flag*= **true**;  **else**  *flag*= **false**;    }  **catch**(Exception e)  {  *flag*= **false**;  }    **if**(*flag*)  System.***out***.println("File deleted successfully");  **else**  System.***out***.println("File not deleted, some error occured");    }    /\*\*  \* This method is used to search a file if the file exist in directory  \* **@param** folderpath  \* **@param** fileName  \* **@return** boolean  \*/  **public** **static** **void** searchFile(String folderpath, String fileName)  {  File file =**new** File(folderpath+"\\"+fileName);  **try**  {  **if**(file.exists())  *flag*= **true**;  **else**  *flag*= **false**;    }    **catch**(Exception e)  {  *flag*= **false**;  }    **if**(*flag*)  System.***out***.println("The Searched File "+fileName+" is present");  **else**  System.***out***.println("File not present, some error occured");  }  } |
| **LockedMeProject.java**  **package** com.lockedme;  **import** java.util.ArrayList;  **import** java.util.List;  **import** java.util.Scanner;  **public** **class** LockedMeProject {  **static** **final** String ***folderpath***="E:\\Simplilearn Docs\\Phase1Project\\Locker Project File";  **public** **static** **void** main(String[] args) {    // Variable Declaration  Scanner sc=**new** Scanner(System.***in***);    **int** choice;  **int** proceed=1;    System.***out***.println("\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*");  System.***out***.println("\t Company Lockers Pvt. Ltd.");  System.***out***.println("\t Project- Locker Project");  System.***out***.println("\t Developed by- Vishwajit Jogalekar");  System.***out***.println("\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*");    **do** {  //Menu  System.***out***.println("\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*");  System.***out***.println("1. Display all Files in Ascending Order");  System.***out***.println("2. Add new File to folder");  System.***out***.println("3. Delete file from folder");  System.***out***.println("4. Search file");  System.***out***.println("5. Exit");  System.***out***.println("\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*");  System.***out***.println("Enter Your Choice");  choice=Integer.*parseInt*(sc.nextLine());  System.***out***.println();    **switch**(choice)  {  **case** 1:  FileDetails.*getAllFiles*(***folderpath***);  **break**;  **case** 2:  *addNewFile*(sc);  **break**;  **case** 3:  *deleteFile*(sc);  **break**;  **case** 4:  *searchFile*(sc);  **break**;  **case** 5:  System.***out***.println("\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*");    System.***out***.println("Thank You!! Application is closed");  proceed=0;  **break**;  **default**:  System.***out***.println("Invalid Option is selected");  **break**;  }    }**while**(proceed>0);    }  **public** **static** **void** searchFile(Scanner sc) {  String fileName;  System.***out***.println("Enter file Name");  fileName=sc.nextLine();  FileDetails.*searchFile*(***folderpath***, fileName);  }  **public** **static** **void** deleteFile(Scanner sc) {  String fileName;  System.***out***.println("Enter file Name");  fileName=sc.nextLine();  FileDetails.*deleteFile*(***folderpath***, fileName);  }    **public** **static** **void** addNewFile(Scanner sc) {  String fileName;  **int** linesCount;  List<String> fileContent= **new** ArrayList<String>();    System.***out***.println("Enter file Name");  fileName=sc.nextLine();  // Read number of lines from the user  System.***out***.println("Enter lines in the file");  linesCount=Integer.*parseInt*(sc.nextLine());    // Read lines from user  **for**(**int** i=0;i<linesCount;i++)  {  System.***out***.println("Enter line"+i+":");  fileContent.add(sc.nextLine());  }  FileDetails.*createFile*(***folderpath***, fileName, fileContent);  }  } |