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| LockedMe.com  Project Specification and Sprint |

**Version History:**

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| --- | --- |
| Author | Priyansh Rastogi |
| Purpose | Screenshot of the Application |
| Date | 14th August 2021 |
| Version | 1.0 |

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**1: Modules in the project**

* **1: Display all the files: This method will display files in ascending order.**
* **2: Add the files: This method will add new files**
* **3: Delete a file: This method will delete files from the folder.**
* **4: Search a file: This method will search a file from folder.**

**2: Java Technologies used:**

* **Control Structures**
* **Working with files**
* **Exception Handling**
* **Collections**
* **Data Structures**
* **Modularity**
* **Naming Standards**
* **OOPS concept**
* **Loops**

**3: Sprint wise work**

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| --- | --- |
| Sprint Number | Modules |
| 1 | **Display all the files**  **Add the files** |
| 2 | **Delete a file**  **Search a file**  **Testing**  **Deployment(Creating runnable jar file)** |

**4: Project GitHub link**

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| **Repository Name:**  **SimpliLearn-Phase1project.git** |
| **GitHub link:**  **https://github.com/Priyansh0068** |

**5: Project code**

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| Folder Structure |  |
| FileManager.java  package info.specification;  import java.io.File;  import java.io.FileWriter;  import java.util.ArrayList;  import java.util.List;  public class FileManager {  /\*\*  \* This Method will return filename from the folder  \* @param folderpath  \* @return List<String>  \*/    public static List<String> getfiles(String folderpath)  {  //Creating file object  File folder = new File(folderpath);    //Getting all files into file array  File[] listOfFiles = folder.listFiles();    // Declare a list to store filenames  List<String> fileNames=new ArrayList<String>();  for(File f:listOfFiles)  fileNames.add(f.getName());    //return the list  return fileNames;  }  public static void tosortfiles(String folderpath)  {  File folder = new File(folderpath);  System.out.println(folderpath);  List<String> listfile=Arrays.asList(folder.list());  Collections.sort(listfile);    System.out.println("..........................................");  System.out.println("Sorting in the ascending order");    for(String r:listfile)  {  System.out.println(r);  }      }    /\*\*  \* This method will create and append into the file specified  \* @param folderpath  \* @param fileName  \* @param c  \* @return boolean  \*/    public static boolean tocreatefile(String folderpath,String fileName, List<String> c)  {  try  {  //Adding folderpath and fileName to create a file and creating object    File folder = new File(folderpath,fileName);  FileWriter fs=new FileWriter(folder);  for(String s:c)  {  fs.write(s+"\n");  }  fs.close();  return true;  }  catch(Exception ex)  {  return false;  }  }  /\*\*  \* This method will delete a specific file  \* @param folderpath  \* @param fileName  \* @return boolean  \*/  public static boolean todeletefile(String folderpath,String fileName)  {  //Adding folderpath with fileName and creating object  File file = new File(folderpath +"\\" +fileName);  try  {  if(file.delete())  {  return true;  }  else  {  return false;  }  }  catch(Exception E)  {  return false;  }  }  /\*\*  \* This Method will search a file in a folder  \* @param folderpath  \* @param fileName  \* @return boolean  \*/    public static boolean tosearchfile(String folderpath,String fileName)  {  //Adding folderpath with fileName and creating object  File file = new File(folderpath +"\\" +fileName);  if(file.exists())  {  return true;  }  else  {  return false;  }  }    } |  |
| PhaseProject.java  package info.specification;  import java.util.ArrayList;  import java.util.List;  import java.util.Scanner;  public class PhaseProject {  static final String folderpath="D:\\MyPhase1 project\\Phaseproject Files";    public static void main(String[] args) {  int task=1;  do  {  int t;    t=displaymenu();  System.out.println("Enter your choice:");  switch(t)  {  case 1: getfiles();  break;  case 2:tocreatefile();  break;  case 3:todeletefile();  break;  case 4:tosearchfile();  break;  case 5:System.exit(0);  break;  default : System.out.println("Invalid choice");  break;  }  }while(task>0);    }  public static int displaymenu()  {  int t;  Scanner sc=new Scanner(System.in);  System.out.println("################################################");  System.out.println("\t\tLockedMe.com");  System.out.println("################################################");  System.out.println(" 1: Display all the files");  System.out.println(" 2: Add a new file");  System.out.println(" 3: Delete a file");  System.out.println(" 4: Search a file");  System.out.println(" 5: Exit");  System.out.println("################################################");  t=Integer.parseInt(sc.nextLine());  return t;      }  public void tosortfiles()  {  FileManager.tosortfiles(folderpath);  }    public static void getfiles()  {  List<String> fileNames= FileManager.getfiles(folderpath);  if(fileNames.size()==0)  {  System.out.println("No files exist");  }  else  {  System.out.println("File list is below \n");  for(String f:fileNames)  {  System.out.println(f);  }  }    }    public static void tocreatefile()  {  Scanner sc=new Scanner(System.in);  String fileName;  int countlines;  List<String> c=new ArrayList<String>();    // Read file name from the user  System.out.println("Enter the file name :");  fileName=sc.nextLine();    // Read number of lines from the user  System.out.println("Enter the number of lines :");  countlines=Integer.parseInt(sc.nextLine());    //Read line from the user  for(int i=1;i<=countlines;i++)  {  System.out.println("Enter lines "+i+":");  c.add(sc.nextLine());  }    //Save the content into the file  boolean isSaved =FileManager.tocreatefile(folderpath, fileName, c);  if(isSaved)  {  System.out.println("File and content saved successfully");  }  else  {  System.out.println("Error occured");  }  System.out.println("Enter any character to proceed");    }    public static void todeletefile()  {  String fileName;  Scanner sc=new Scanner(System.in);  System.out.println("Enter the file name to be deleted");  fileName=sc.nextLine();    boolean isExist=FileManager.todeletefile(folderpath, fileName);    if(isExist)  {  System.out.println("File is deleted ");  }  else  {  System.out.println(" File not deleted some error occured");  }  }    public static void tosearchfile()  {  String fileName;  Scanner sc=new Scanner(System.in);  System.out.println("Enter the file name to be searched");  fileName=sc.nextLine();    boolean isFound=FileManager.tosearchfile(folderpath, fileName);    if(isFound)  {  System.out.println("File is present in the folder");  }  else  {  System.out.println(" File not present in the folder");  }  }      } |  |