LOCKEDME.COM

SOURCE CODE

Author	Date	Version
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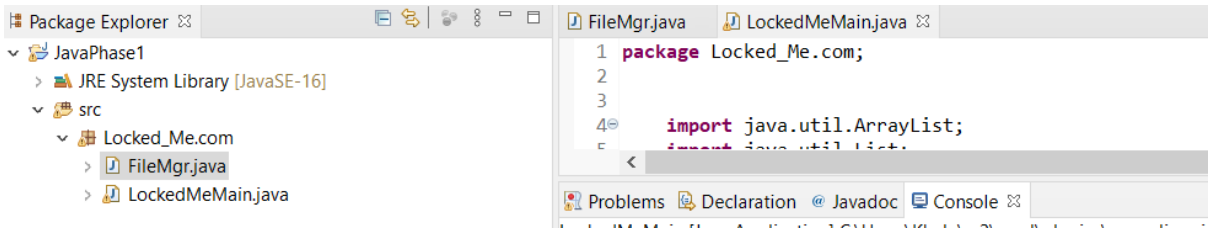
Contents

Project Folder Structure



LockedMeMain.java

```
package Locked_Me.com;


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

	public class LockedMeMain {

		static final String folderpath="C:\\Users\\Khale\\eclipse-
workspace\\AK\\JavaPhase1\\LockedMeFileList";
		public static void main(String[] args)
		{
			//Variables
			int IsContinueMainMenu = 1, IsContinueSubMenu = 1;
			int MainMenu_ch = 0,SubMenu_ch=0;

			do // Do while to display Main Menu again & again
			{

				MainMenu_ch = ReadUserInput("MainMenu");

				switch(MainMenu_ch)
				{
					case 1 : getAllFiles();
							break;
					case 2 : IsContinueSubMenu = 1;
						do { // Do while to display Sub Menu
again & again

							SubMenu_ch =

ReadUserInput("SubMenu");


								switch(SubMenu_ch)
								{
									case 1 :

addFiles();

	break;

									case 2 :

deleteFile();

	break;

									case 3 :

searchFile();

	break;
```

```
                                                                    case 4 :
IsContinueSubMenu = -1    ;

      break;
                                                                    default :
System.out.println("Invalid Option");
                                                                }
                                                            }while(IsContinueSubMenu >
0);
                                                            break;
                                    case 3 : System.exit(0);
                                                            break;
                                    default : System.out.println("Invalid Option");

                                }

                        }while(IsContinueMainMenu>0);
                }

                /**
                 * Method to print display Menu
                 * @return
                 */
                public static void MainMenuDisplay()
                {

      System.out.println("**********************************************************
***************");
                        System.out.println("\t\tLocked Me.Com");
                        System.out.println("\tDeveloper :- Aanjaneya Khale");

      System.out.println("**********************************************************
***************");
                        System.out.println("1. Display List Of Files");
                        System.out.println("2. File Opeartions List");
                        System.out.println("3. Exit");

                }

                /**
                 * Method Sub Menu Display
                 */
                public static void SubMenuDisplay()
                {

      System.out.println("**********************************************************
***************");
                        System.out.println("\t\tFile Operation Menu");

      System.out.println("**********************************************************
***************");
                        System.out.println("1. Add New File");
                        System.out.println("2. Delete a File");
                        System.out.println("3. Search a file");
                        System.out.println("4. Return to Main Menu");

                }

                /**
```

```
	 * Method to Read User Input
	 * @param MenuType
	 * @return
	 */
	public static int ReadUserInput(String MenuType)
	{
		int IsWrongChoice;
		int ch = 0;
		do //Do while loop to display Menu again if choice is not valid
		{
			try
			{
				//Scanner object creation
				Scanner sc = new Scanner(System.in);
				//Display Menu
				if(MenuType == "SubMenu")
					SubMenuDisplay();
				else
					MainMenuDisplay();
				System.out.println("Enter Your Choice:");
				ch =Integer.parseInt(sc.nextLine());
				IsWrongChoice = 1;
			}
			catch(Exception ex)
			{
				System.out.println("Invalid Choice. Please Enter choice again");
				IsWrongChoice = 0;
			}
		}while(IsWrongChoice ==0);

		return ch;
	}

	/**
	 * Method to get all file list
	 */
	public static void getAllFiles()
	{
		int count = 1;
		//To Get List of files in FOlder
		List<String> fileNames = FileMgr.getAllFileNames(folderpath);

		System.out.println("\n\t List Of Files");
		for(String f:fileNames)
		{
			System.out.println(count+" " +f);
			count++;
		}

	}

	/**
	 * Method add file in list
	 */
	public static void addFiles()
	{
		//Variable Declaration
```

```
                String fileName;
                int linesCount;

                //Scanner object creation
                Scanner sc = new Scanner(System.in);

                //Array list object creation
                List<String> content = new ArrayList<String>();

                //Read File Name to be created from User
                System.out.println("Enter file name to be added:");
                fileName=sc.nextLine();

                //Read number of lines in file from user
                System.out.println("Enter the number of lines in file:");
                linesCount=Integer.parseInt(sc.nextLine());

                //Read Lines from user
                for(int i=1;i<=linesCount;i++)
                {
                        System.out.println("Enter line "+i+":");
                        content.add(sc.nextLine());
                }

                //save the content into the file
                boolean isSaved =FileMgr.addFiles(folderpath, fileName,
content);


                if(isSaved)
                        System.out.println("File Created & Saved
successfully");
                else
                        System.out.println("Error occured while Creating/Saving
file.");
        }

        /**
         * Method to delete file from list
         */
        public static void deleteFile()
        {
                //Variable Declaration
                String fileName;

                //Scanner object creation
                Scanner sc = new Scanner(System.in);

                //Read File Name to be deleted
                System.out.println("Enter file name to be deleted:");
                fileName=sc.nextLine();

                //Delete the File from Folder
                boolean isDeleted =FileMgr.deleteFile(folderpath, fileName);

                if(isDeleted)
                        System.out.println("File Deleted successfully");
                else
                        System.out.println("File Not Found");
```

```
		}

		/**
		 * Method to search file
		 */
		public static void searchFile()
		{
			//Variable Declaration
			String fileName;

			//Scanner object creation
			Scanner sc = new Scanner(System.in);

			//Read File Name to be search
			System.out.println("Enter file name to be Search:");
			fileName=sc.nextLine();

			//Search the File from Folder
			boolean isExists =FileMgr.searchFile(folderpath, fileName);

			if(isExists)
				System.out.println("File Found successfully");
			else
				System.out.println("File Not Found");
		}


	}
```

FileMgr.java

```
package Locked_Me.com;

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


public class FileMgr {

	/**
	 * This method will return file names list from the folder
	 * @param folderpath
	 * @return
```

```
	 */
	public static List<String> getAllFileNames(String folderpath)
	{
		//File Object Creation
		File fl = new File(folderpath);

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

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

		//ForEach loop to add file names in Array List
		for(File f:listofFiles)
			fileNames.add(f.getName());

		// Sorting ArrayList in ascending Order
	  // using Collection.sort() method
	  Collections.sort(fileNames);

		//Return the List
		return fileNames;
	}



	/**
	 * This method will create file & write content in the file
	 * @param folderpath
	 * @param fileName
	 * @param Content
	 * @return
	 */
	public static boolean addFiles(String folderpath,String
fileName,List<String> Content)
	{
		try
		{
			//File Object Creation
			File fl = new File(folderpath, fileName);

			//File Writer object Creation
			FileWriter fw = new FileWriter(fl);

			//Write into file
			for(String c:Content)
			{
				fw.write(c+"\n");
			}

			//Close File Writer Object
			fw.close();

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

```
	}

	/**
	 * This method will delete the file from folder
	 * @param folderpath
	 * @param fileName
	 * @return
	 */
	public static boolean deleteFile(String folderpath,String fileName)
	{
		//File Object Creation with folder path & file name
		File fl = new File(folderpath+"\\"+fileName);

		try
		{
			if(fl.delete())
				return true;
			else
				return false;
		}
		catch(Exception Ex)
		{
			return false;
		}
	}

	/**
	 * This Method will search specific file in folder
	 * @param folderpath
	 * @param fileName
	 * @return
	 */
	public static boolean searchFile(String folderpath,String fileName)
	{
		//File Object Creation with folder path & file name
		File fl = new File(folderpath+"\\"+fileName);

		try
		{
			if(fl.exists())

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