**Source Code for Virtual Key For Your Repositories**

**GitHub Reciprocity Link**:- <https://github.com/kapildavey/Phase1.git>

**Source code:-**

**package com.client;**

**import java.io.\*;**

**import java.util.\*;**

**import com.servermain.operations.BusinessLevelOperations;**

**public class Appmain {**

**private static Scanner sc;**

**public static void main(String[] args) {**

**welcomeScreen();**

**try {**

**menuDriven();**

**} catch (FileNotFoundException e) {**

**// TODO Auto-generated catch block**

**e.printStackTrace();**

**}**

**}**

**public static void welcomeScreen() {**

**System.out.println("Application Name : LockedMe\n");**

**System.out.println("Developer Details: Developed by Kapil Davey \n");**

**}**

**public static void menuDriven() throws FileNotFoundException {**

**sc = new Scanner(System.in);**

**BusinessLevelOperations obj = new BusinessLevelOperations();**

**int option;**

**do {**

**System.out.println("Enter your choice which you want to select: \n");**

**System.out.println("\t1. Retrieve current filenames in ascending order \n");**

**System.out.println("\t2. Business-level operation menu \n");**

**System.out.println("\t3. Exit from the application \n");**

**option=sc.nextInt();**

**switch(option) {**

**case 1:**

**obj.showAllFiles();**

**break;**

**case 2:**

**int ch;**

**do {**

**System.out.println("Enter your choice for Business level operation");**

**System.out.println("\t1. Add a file and its content to a directory");**

**System.out.println("\t2. Delete a file from a directory");**

**System.out.println("\t3. Searching a file and showing its content");**

**System.out.println("\t4. Exit from BOL menu");**

**ch=sc.nextInt();**

**switch(ch) {**

**case 1:**

**obj.addFile();**

**break;**

**case 2:**

**obj.deleteFile();**

**break;**

**case 3:**

**obj.searchFile();**

**break;**

**case 4:**

**System.out.println("Exited from the Business Level operation...");**

**System.out.println("---------------------------------\n");**

**break;**

**default:**

**System.out.println("Invalid Choice");**

**break;**

**}**

**}while(ch!=4);**

**break;**

**case 3:**

**System.out.println("Exiting from the application...");**

**break;**

**default:**

**System.out.println("Invalid choice");**

**}**

**//System.out.println("Press 0 to continue");**

**}while(option!=3);**

**}**

**}**

**package com.server2;**

**public interface FileInterface {**

**public void showAllFiles();**

**public void addFile();**

**public** **void** deleteFile();

**abstract** **void** searchFile();

}

package com.servermain.operations;

import com.server2.\*;

import java.awt.Desktop;

import java.io.File;

import java.io.FileNotFoundException;

import java.io.IOException;

import java.util.\*;

public class BusinessLevelOperations implements FileInterface {

List<String> retrieve= new ArrayList<String>();

File[] files = new File("F:\\projects\\Virtual Key For Repositories").listFiles();

private Scanner scan;

private Scanner scan2;

private Scanner scan3;

private Scanner sc1;

@Override

public void showAllFiles() {

// TODO Auto-generated method stub

for(File file : files) {

if(file.isFile()) {

retrieve.add(file.getName());

//System.out.println(file.getName());

}

}

retrieve.forEach(System.out::println);

}

@Override

public void addFile() {

// TODO Auto-generated method stub

System.out.println("Enter the file which you want to add:");

scan = new Scanner(System.in);

String filename=scan.nextLine();

File F= new File(filename);

try {

if(F.createNewFile()) {

System.out.println(filename+" file is added to the directory");

Desktop.getDesktop().edit(F);

}

else {

System.out.println("This file is already there");

}

} catch (IOException e) {

// TODO Auto-generated catch block

e.printStackTrace();

}

}

@Override

public void deleteFile() {

// TODO Auto-generated method stub

System.out.println("Enter the file which you want to delete:");

scan2 = new Scanner(System.in);

String filename=scan2.nextLine();

File F= new File(filename);

if(F.delete())

System.out.println(filename+" got Deleted");

else

System.out.println("File Not Found");

}

@Override

public void searchFile() {

// TODO Auto-generated method stub

try {

scan3 = new Scanner(System.in);

File directory = new File("F:\\projects\\Virtual Key For Repositories");

System.out.println("Enter the file name which you want to search:");

String fileName=scan3.nextLine();

File[] files=directory.listFiles();

int flag=0;

for (File file : files) {

String name = file.getName();

if (name.equals(fileName)) {

// System.out.println("The filename "+fileName+" is present in the directory");

File f= new File(fileName);

sc1 = new Scanner(f);

while(sc1.hasNextLine()) {

System.out.println(sc1.nextLine());

}

flag=1;

}

}

if(flag==0) {

System.out.println("File not found");

}

}catch(FileNotFoundException ex) {

System.out.println("file not found");

}

}

}