**LockedMe-Virtual Key for Your Repositories**

Source code:-

**package** com.lockedme;

**import** java.io.File;

**import** java.io.IOException;

**import** java.util.Arrays;

**import** java.util.Scanner;

**public** **class** LockedMe {

File folder\_name;

**static** String *FOLDER\_DIR*;

**public** LockedMe() {

*FOLDER\_DIR* = System.*getProperty*("user.dir");

folder\_name = **new** File(*FOLDER\_DIR*+"/files");

**if** (!folder\_name.exists())

folder\_name.mkdirs();

System.***out***.println("Folder : "+ folder\_name.getAbsolutePath());

}

**private** **static** **final** String ***WELCOME\_SCREEN*** =

"\n\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* LockedMe.com \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\n"+

"\n\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* This Application is developed by \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\n"+

"\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* PAYAL CHORARIA \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*";{

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

}

**private** **static** **final** String ***MAIN\_MENU\_PROMPT*** =

"\n |\*\*\*\*\*\*\*\* MAIN MENU \*\*\*\*\*\*\*\*| \n"+

"\n Select any of the options:- \n"+

"1 -> List of user files in FOLDER\_DIR\n"+

"2 -> Add, Delete or Search user specified file\n"+

"3 -> Quit Application ";

**private** **static** **final** String ***SECONDARY\_MENU\_PROMPT*** =

"\n |\*\*\*\*\*\*\*\* SECONDARY MENU \*\*\*\*\*\*\*\*| \n"+

" \nSelect any of the options: \n"+

" a -> Add a user file\n"+

" b -> Delete a user file\n"+

" c -> Search a user file\n"+

" d -> Return to Main menu";

**void** showPrimaryMenu() {

System.***out***.println(***MAIN\_MENU\_PROMPT***);

**try**{

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

**int** option = scanner.nextInt();

**switch** (option){

**case** 1 : {

showFiles();

showPrimaryMenu();

}

**case** 2 : {

showSecondaryMenu();

}

**case** 3 : {

System.***out***.println("\*\*\*\*\*\*\*\*\*\*Thank You\*\*\*\*\*\*\*\*\*");

System.*exit*(0);

}

**default**:

System.***out***.println("Please Select options 1, 2 or 3");

showPrimaryMenu();

}

}

**catch** (Exception e){

System.***out***.println("Please Select options 1, 2 or 3");

showPrimaryMenu();

}

}

**void** showFiles() {

**if** (folder\_name.list().length==0)

System.***out***.println("empty folder");

**else** {

String[] list = folder\_name.list();

System.***out***.println("The files in "+ folder\_name +" are :");

Arrays.*sort*(list);

**for** (String str:list) {

System.***out***.println(str);

}

}

}

**void** addFile(String filename) **throws** IOException {

File filepath = **new** File(folder\_name +"/"+filename);

String[] list = folder\_name.list();

**for** (String file: list) {

**if** (filename.equalsIgnoreCase(file)) {

System.***out***.println("File " + filename + " already exists at " + folder\_name);

System.***out***.println("Try with another filename");

**return**;

}

}

filepath.createNewFile();

System.***out***.println("File "+filename+" successfully added to "+ folder\_name);

}

**void** deleteFile(String filename) {

File filepath = **new** File(folder\_name +"/"+filename);

String[] list = folder\_name.list();

**for** (String file: list) {

**if** (filename.equals(file) && filepath.delete()) {

System.***out***.println("File " + filename + " successfully deleted from " + folder\_name);

**return**;

}

}

System.***out***.println("Error occurred while Deleting File..");

System.***out***.println("Please enter existing file name to delete..");

}

**void** searchFile(String filename) {

String[] list = folder\_name.list();

**for** (String file: list) {

**if** (filename.equals(file)) {

System.***out***.println("FILE FOUND : File " + filename + " exists at " + folder\_name);

**return**;

}

}

System.***out***.println("Oops!! File NOT found (FNF)");

System.***out***.println("Please enter existing file name to search..");

}

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

System.***out***.println(***WELCOME\_SCREEN***);

LockedMe menu = **new** LockedMe();

menu.showPrimaryMenu();

}

**void** showSecondaryMenu() {

System.***out***.println(***SECONDARY\_MENU\_PROMPT***);

**try**{

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

**char**[] input = scanner.nextLine().toLowerCase().trim().toCharArray();

**char** option = input[0];

**switch** (option){

**case** 'a' : {

System.***out***.print("==> Adding a file..Please Enter a File Name : ");

String filename = scanner.next().trim();

addFile(filename);

**break**;

}

**case** 'b' : {

System.***out***.print("==>Deleting a file..Please Enter a File Name : ");

String filename = scanner.next().trim();

deleteFile(filename);

**break**;

}

**case** 'c' : {

System.***out***.print("==>Searching a file..Please Enter a File Name : ");

String filename = scanner.next().trim();

searchFile(filename);

**break**;

}

**case** 'd' : {

System.***out***.println("Return to MAIN menu");

showPrimaryMenu();

**break**;

}

**default** : System.***out***.println("Please select correct option a, b, c or d");

}

showSecondaryMenu();

}

**catch** (Exception e){

System.***out***.println("Please enter a, b, c or d");

showSecondaryMenu();

}

}

}