Locked Me Source Code

# App.java

package com.pack;

import java.util.\*;

import ascending.Ascending;

import operations.Operations;

public class App {

static Scanner sn = new Scanner(System.in);

public static void info() {

String appHeader = String.format("\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\n" + "\*\*\*\*\*\*\*\*\*\*\*\*\* Welcome to LockedMe.com \*\*\*\*\*\*\*\*\*\*\*\*\*\n"

+ "\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\n");

String developerName = "Dev – Mohan Manikanta Murthy \n";

String developerEmail = "DevEmail – mankantam911@gmail.com\n";

String appDetails = "You can use this application to :-\n" + "--> Retrieve all file names in a given folder\n" + ”--> Add, delete or search files\n";

System.out.println(appHeader);

System.out.println(developerName);

System.out.println(developerEmail);

System.out.println(appDetails);

}

public static void main() {

System.out.println("");

System.out.println("Main Menu");

System.out.println("Press 1 to show file in Ascending Order");

System.out.println("Press 2 to view file operations");

System.out.println("Press 3 to Exit from the application");

int choice = sn.nextInt(); handle(choice);

}

public static void handle(int num){ switch(num) { case 1:

Ascending.ascendingOrder(); break; case 2:

Operations.FileOperations();

break; case 3:

System.out.println("Terminated :( ");

System.exit(0); break; default:

System.out.println("Invalid input");

}

main();

}

public static void main(String[] args) {

info(); main();

}

}

# Ascending.java

package ascending;

import java.io.\*;

import java.util.\*;

public class Ascending {

static String directory= "/home/momurthycisco/Downloads/Javafsd/storage"; public static void ascendingOrder() {

File[] files = new File(directory).listFiles();

Set<String> a = new TreeSet<>();

for(File file : files) {

if (!file.isFile()) {

continue;

}

a.add(file.getName());

}

a.forEach(i->System.out.println(i));

}

}

# Operations.java

package operations;

import java.io.\*;

import java.nio.file.\*; import java.util.\*;

import frontEnd.App;

public class Operations {

static Scanner sn = new Scanner(System.in);

static String directory = "/home/momurthycisco/Downloads/Javafsd/storage";

public static void FileOperations() {

System.out.println("");

System.out.println("Press 1 to Add a file");

System.out.println("Press 2 to Delete a file");

System.out.println("Press 3 to Search a file");

System.out.println("Press 4 to go Back to the Main Menu");

String choice = sn.nextLine(); handle(choice);

}

public static void handle(String num) { switch(num) { case "1":

System.out.println("You selected Add Operation"); add();

break;

case "2":

System.out.println("You selected Delete Operation");

delete();

break;

case "3":

System.out.println("You selected Search Operation");

search();

break; case "4":

System.out.println("Going Back to Main Menu");

App.main();

break; default:

System.out.println("Invalid input");

}

FileOperations();

}

// to add a file

public static void add() throws InvalidPathException {

System.out.println("Enter the file path (ex: /Users/Desktop/t.txt)");

String input = sn.nextLine();

Path path; try {

path = Paths.get(input);

} catch (Exception e) {

System.out.println("Invalid input"); return;

}

if (!Files.exists(path)) {

System.out.println("No such file exist");

return;

}else {

System.out.println("File is present");

}

String newPath = directory + "/" + path.getFileName();

int i = 0;

while (Files.exists(Paths.get(newPath))) {

i++;

newPath = directory + "/" + i + "\_" + path.getFileName();

}

try {

Files.copy(path, Paths.get(newPath));

System.out.println("file has been stored");

} catch (IOException e) {

System.out.println("Not able to store the file");

System.out.println(e);

}

}

// to delete a file

public static void delete() throws InvalidPathException { System.out.println("Enter the file path (ex: c.txt)");

String input = sn.nextLine();

String Path = directory + "/" + input;

Path path;

try {

path = Paths.get(Path);

} catch (Exception e) {

System.out.println("Invalid input"); return;

}

if (!Files.exists(path)) {

System.out.println("No such file existed,thus cannot be deleted");

return;

} else {

System.out.println("File is present");

}

File Delete = new File(Path);

try {

Delete.delete();

System.out.println("File is deleted");

}

catch (Exception e) {

System.out.println("Not able to delete file");

System.out.println(e);

}

}

//to search a file

public static void search() throws InvalidPathException{ System.out.println("Enter the file to search (ex: a.txt)");

String input = sn.nextLine();

String Path = directory + "/" + input;

Path path;

try {

path = Paths.get(Path);

} catch (Exception e) {

System.out.println("Invalid input");

return;

}

if(!Files.exists(path)) {

System.out.println("No such file exist");

return;

} else {

System.out.println("File is present");

}

}

}