```
package company1;

import java.io.File;

import java.io.IOException;

import java.util.Arrays;

import java.util.Scanner;

public class LockMe1 {

static String DIRECTORY;

File folder_name;

public LockMe1() {

DIRECTORY = System.getProperty("user.dir");

folder_name = new File(DIRECTORY+"/files");

if (!folder_name.exists())

folder_name.mkdirs();

System.out.println("DIRECTORY : "+
folder_name.getAbsolutePath());

}

public static final String WELCOME_PROMPT =

"\n Welcome To Lockers Pvt. Ltd."+

"\n Devloper - Saurabh Dhakate\n";

public static final String MAIN_MENU_PROMPT =

"\nMAIN MENU - Select any of the following: \n"+

"1 -> Retrieve Files\n"+

"2 -> More Options\n"+

"3 -> Exit";

public static final String SECONDARY_MENU_PROMPT =

" \nSelect any of the following: \n"+
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" a -> Add file\n"+
" b -> Delete file\n"+
" c -> Search file\n"+
" d -> Back 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("Thanks For Using App!");
System.exit(0);
}
default: showPrimaryMenu();
}
}
catch (Exception e){
```

```
System.out.println("Please enter 1, 2 or 3");

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().toLowerCase();

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("Going Back to MAIN menu");

showPrimaryMenu();

break;

}

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

}

showSecondaryMenu();

}

catch (Exception e){

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

showSecondaryMenu();

}

}

void showFiles() {

if (folder_name.list().length==0)

System.out.println("The folder is empty");

else {

String[] list = folder_name.list();

System.out.println("The files in "+ folder_name +" are :");
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```
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);

return;

}

}

filepath.createNewFile();

System.out.println("File "+filename+" 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 + " deleted from " +
folder_name);
```

```
return;

}

}

System.out.println("Delete Operation failed. FILE NOT FOUND");

}

void searchFile(String filename) {

String[] list = folder_name.list();

for (String file: list) {

if (filename.equals(file)) {

System.out.println("FOUND : File " + filename + " exists at "
+ folder_name);

return;

}

}

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

}

public static void main(String[] args) {

System.out.println(WELCOME_PROMPT);

LockMe1 menu = new LockMe1();

menu.showPrimaryMenu();

}

}
```