***Codes Of the Project…***

**HomePage:-**

**package** company.Lockerspvtltd.com;

**public** **class** HomePage {

**final** **static** String ***PATHNAME***="C:\\Users\\danul\\Desktop\\HTML\\Core Java\\src\\company\\Lockerspvtltd\\";

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

System.***out***.println("\n\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* LockedMe.com \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*"+

"\n\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* Shazalee Lalani \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*"+

"\n\nDIRECTORY : "+***PATHNAME***);

MainMenu mainMenu= **new** MainMenu(***PATHNAME***);

mainMenu.showMenu();

}

}

**MainMenu:-**

**package** company.Lockerspvtltd.com;

**import** java.util.Scanner;

**import** java.util.InputMismatchException;

**public** **class** MainMenu {

Files files;

**private** **static** **final** String ***PROMPT*** =

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

"1 :- List files in directory\n"+

"2 :- Add, Delete or Search\n"+

"3 :- Exit Program";

**public** MainMenu(String pathname){

files = **new** Files(pathname);

}

//FIRST MENU

**void** showMenu(){

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

**try**{

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

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

**switch** (option){

**case** 1 : {

files.displayFilesList();

showMenu();

}

**case** 2 : {

**new** SecondMenu().showSecondMenu();

}

**case** 3 : {

System.***out***.println("Thank you....!!");

System.*exit*(0);

}

**default** : {

showMenu();

}

}

}

**catch** (Exception e){

System.***out***.println("Please enter 1,2 or 3\n");

showMenu();

}

}

}

**SecondMenu:-**

**package** company.Lockerspvtltd.com;

**import** java.util.Scanner;

**public** **class** SecondMenu {

Files files;

**private** **static** **final** String ***SECOND\_PROMPT*** =

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

" a:- Add a file\n"+

" b:- Delete a file\n"+

" c:- Search a file\n"+

" d:- GoBack";

**public** SecondMenu(){

**this**.files= **new** Files(HomePage.***PATHNAME***);

}

**void** showSecondMenu(){

System.***out***.println(***SECOND\_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***.println(" Adding a file....");

files.addFile(files.takeFilenameInput());

showSecondMenu();

}

**case** 'b' : {

System.***out***.println(" Delete a file....");

files.deleteFile(files.takeFilenameInput());

showSecondMenu();

}

**case** 'c' : {

System.***out***.println(" Search a file....");

files.searchFile(files.takeFilenameInput());

showSecondMenu();

}

**case** 'd' : {

System.***out***.println(" Go back to the MAIN menu....");

**new** MainMenu(HomePage.***PATHNAME***).showMenu();

}

**default** : {

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

showSecondMenu();

}

}

}

**catch** (Exception e){

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

showSecondMenu();

}

}

}

**Files:-**

**package** company.Lockerspvtltd.com;

**import** java.io.File;

**import** java.io.IOException;

**import** java.util.Arrays;

**import** java.util.Scanner;

**public** **class** Files {

**private** **final** File pathname;

Scanner scanner;

// constructor

**public** Files(String pathname) {

**this**.pathname = **new** File(pathname);

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

}

**public** **void** displayFilesList() {

String[] list = pathname.list();

**if** (list==**null**)

System.***out***.println("No files in the directory");

**else** {

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

Arrays.*sort*(list);

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

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

}

}

}

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

File file = **new** File("C:\\Users\\danul\\Desktop\\HTML\\Core Java\\src\\company\\Lockerspvtltd\\"+filename);

**if** (file.createNewFile())

System.***out***.println(" File \""+filename+"\" added to "+ pathname +"\n");

**else** **if**(file.exists())

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

**else**

System.***out***.println("Something went wrong. File NOT added\n");

}

**void** deleteFile(String filename) {

File file = **new** File("C:\\Users\\danul\\Desktop\\HTML\\Core Java\\src\\company\\Lockerspvtltd\\"+filename);

**if** (file.delete())

System.***out***.println(" File \""+filename+"\" deleted from "+ pathname +"\n");

**else**

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

}

**void** searchFile(String filename) {

File file = **new** File("C:\\Users\\danul\\Desktop\\HTML\\Core Java\\src\\company\\Lockerspvtltd\\"+filename);

**if**(file.exists())

System.***out***.println(" FOUND : File \""+filename+"\" exists at "+ pathname +"\n");

**else**

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

}

**public** String takeFilenameInput() {

System.***out***.print(" Please enter a filename : ");

**try**{

String filename = scanner.nextLine().toLowerCase().trim();

**if** (filename.equals(""))

**return** takeFilenameInput();

**else**

**return** filename;

}

**catch** (Exception e) {

System.***out***.println(" Something went wrong");

}

**return** takeFilenameInput();

}

}