package lockedme;

import java.io.\*;

import java.nio.\*;

import java.nio.file.\*;

import java.nio.file.Path;

import java.nio.file.Paths;

import java.util.\*;

public class FileOperations1 {

public static void createMainFolderIfNotPresent(String folderName) {

File file = new File(folderName);

// If file doesn't exist, create the main folder

if (!file.exists()) {

file.mkdirs();

}

}

public static void displayAllFiles(String path) {

FileOperations1.createMainFolderIfNotPresent("main");

System.out.println("Displaying all files in ascending order\n");

try {

File folder = new File(path);

File[] listOfFiles = folder.listFiles();

if(listOfFiles.length==0)

{

System.out.println("No Files exist");

}

else

{

for(File l:listOfFiles)

{

System.out.println(l.getName());

}

}

}

catch(Exception ex)

{

System.out.println("Error Ocuccured" );

ex.printStackTrace();

}

}

public static void createFile() {

FileOperations1.createMainFolderIfNotPresent("main");

try {

Scanner sc = new Scanner(System.in);

String fileName;

System.out.println("Enter the filename: ");

fileName = sc.nextLine();

Path pathToFile = Paths.get("./main/" + fileName);

System.out.println(fileName + " created successfully");

System.out.println("Would you like to add some data to the file? (Y/N)");

String choice = sc.next().toUpperCase();

sc.nextLine();

if (choice.equals("Y")) {

System.out.println("\n Enter data and press enter.\n");

String content = sc.nextLine();

Files.write(pathToFile, content.getBytes());

System.out.println("\n Data written to file " + fileName);

}

} catch (IOException e) {

System.out.println("Error Ocuccured" );

e.printStackTrace();

}

}

public static void deleteAllFiles()

{

Scanner obj = new Scanner(System.in);

try

{

String fileName;

System.out.println("Enter the file name to be deleted");

fileName = obj.nextLine();

File file = new File("main" +"\\"+fileName);

if(file.exists())

{

file.delete();

System.out.println(fileName+ " File deleted SuccessFully.");

}

else

System.out.println("File do not exists");

}

catch(Exception ex)

{

System.out.println("Error Ocuccured" );

ex.printStackTrace();

}

}

public static void searchFiles()

{

Scanner obj = new Scanner(System.in);

try

{

String fileName;

System.out.println("Enter the file name to be Searched");

fileName = obj.nextLine();

File folder = new File("main");

File[] listOfFiles = folder.listFiles();

LinkedList<String> filenames = new LinkedList<String>();

for(File l:listOfFiles)

filenames.add(l.getName());

if(filenames.contains(fileName))

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

else

System.out.println("File is not available");

}

catch(Exception ex)

{

System.out.println("Error Ocuccured" );

ex.printStackTrace();

}

}

}

package lockedme;

import java.util.\*;

public class HMenuOptions {

public static void hWelcomeScreenChoice() {

boolean flag = true;

Scanner sc = new Scanner(System.in);

do {

try {

MenuOptions.displayMenu();

int choice = sc.nextInt();

switch (choice) {

case 1:

FileOperations1.displayAllFiles("main");

break;

case 2:

HMenuOptions.handleFileMenuOptions();

break;

case 3:

System.out.println("Program exited successfully.");

flag = false;

sc.close();

System.exit(0);

break;

default:

System.out.println("Please select a valid option from above.");

}

} catch (Exception e) {

System.out.println(e.getClass().getName());

hWelcomeScreenChoice();

}

} while (flag== true);

}

public static void handleFileMenuOptions() {

boolean flag = true;

Scanner sc = new Scanner(System.in);

do {

try {

MenuOptions.displayFileMenuOptions();

FileOperations1.createMainFolderIfNotPresent("main");

int choice = sc.nextInt();

switch (choice) {

case 1:

//File create

FileOperations1.createFile();

break;

case 2:

// File delete

FileOperations1.deleteAllFiles();

break;

case 3:

// File Search

FileOperations1.searchFiles();

break;

case 4:

// Go to Previous menu

return;

case 5:

// Exit

System.out.println("Program exited successfully.");

flag = false;

sc.close();

System.exit(0);

default:

System.out.println("Please select a valid option from above.");

}

} catch (Exception e) {

System.out.println(e.getClass().getName());

handleFileMenuOptions();

}

} while (flag == true);

}

}

package lockedme;

class LockedMeMain1

{

public static void main(String[] args) {

// Create "main" folder if not present in current folder

FileOperations1.createMainFolderIfNotPresent("main");

MenuOptions.welcomeScreen("LockedMe","Vaishali Zade");

MenuOptions.displayMenu();

HMenuOptions.hWelcomeScreenChoice();

}

}

package lockedme;

class MenuOptions {

public static void welcomeScreen(String appName,String developerName)

{

String companyDetails=String.format("\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\n"

+"Welcome to %s.com\n"+"This application is developed by \*\* %s \*\*\n"+"\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\n",

appName, developerName);

String appDetails="You can use this application to:-\n"+"Retrive all file names\n"+"Add,Search,Delete files\n"+"\nPlease enter correct file name for searching or deleting file.";

System.out.println(companyDetails);

System.out.println(appDetails);

}

public static void displayMenu()

{

String menu="\nSelect any choice from below and press Enter:\n"+

"1)Retrive all files\n"+"2)Display menu for File operations\n"+"3)Exit Program\n";

System.out.println(menu);

}

public static void displayFileMenuOptions()

{

String fileMenu="\nSelect any choice from below and press Enter:\n"+"1)Add a file\n"+"2)Delete a file\n"+"3)Search for a file\n"+"4)Show Previous Menu\n"+"5)Exit program\n";

System.out.println(fileMenu);

}

}