We have 2 classes: Main and FileOperations

Main:

package com;

import java.io.File;

import java.util.Scanner;

import com.FileOperations;

public class main {

public static void main(String[] args) throws Exception {

FileOperations operator = new FileOperations();

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

String answer;

String content;

System.***out***.println("Welcome to LockedMe.com project, developed by Neacsu Nicolae-Robert! ");

System.***out***.println("Please insert 1 for the list of the available files.");

System.***out***.println("Please insert 2 to display the file operations available.");

System.***out***.println("Please insert 3 to close the app");

answer = userInput.nextLine();

if(answer.contentEquals("1")) {

operator.displaySortedList();

}

else {

if(answer.contentEquals("2")) {

System.***out***.println("1: Add a file.");

System.***out***.println("2: Delete a file");

System.***out***.println("3: Search a file");

System.***out***.println("4: Back to main menu");

answer = userInput.nextLine();

switch (answer) {

case "1": System.***out***.println("Input the name of the file you wish to create");

answer = userInput.nextLine();

System.***out***.println("Write the content of the file");

content = userInput.nextLine();

operator.createFiles(answer, content);

break;

case "2": System.***out***.println("Input the name of the file you wish to delete");

answer = userInput.nextLine();

operator.deleteFile(answer);

break;

case "3": System.***out***.println("Input the name of the file you wish to read");

answer = userInput.nextLine();

operator.readFiles(answer);

break;

case "4": *main*(args);

}

}

else {

if(answer.contentEquals("3")) {

System.*exit*(0);

}

}

}

}

}

FileOperations:

package com;

import java.io.BufferedReader;

import java.io.File;

import java.io.FileReader;

import java.io.FileWriter;

import java.util.Optional;

import java.util.stream.Stream;

public class FileOperations {

public File fileList = new File("C:\\Users\\NeacsuR\\eclipse-workspace\\JavaFSDFullStack\_NeacsuNicolaeRobert\\src\\textFiles");

public void displaySortedList() {

Stream.*of*(fileList.listFiles())

.map(File::getName)

.forEach(f -> System.***out***.println(f));

}

public void deleteFile(String fileName) throws Exception {

Optional<File> stream;

stream = Stream.*of*(fileList.listFiles())

.filter(f -> f.getName().contentEquals(fileName))

.findFirst();

if(stream.isPresent()) {

File fileToDelete = new File(stream.get().getAbsolutePath());

fileToDelete.delete();

System.***out***.println("File deleted!");

}

else {

throw new Exception("File not found!");

}

}

public void createFiles(String filename, String content) throws Exception {

File fileToCreate = new File("C:\\Users\\NeacsuR\\eclipse-workspace\\JavaFSDFullStack\_NeacsuNicolaeRobert\\src\\textFiles\\"+filename);

if(fileToCreate.createNewFile()) {

FileWriter writer = new FileWriter(fileToCreate.getAbsolutePath());

writer.write(content);

writer.close();

System.***out***.println("File created!");

}

else {

throw new Exception("File already exists!");

}

}

public void readFiles(String fileName) throws Exception {

Optional<File> stream;

stream = Stream.*of*(fileList.listFiles())

.filter(f -> f.getName().contentEquals(fileName))

.findFirst();

if(stream.isPresent()) {

File fileToRead = new File(stream.get().getAbsolutePath());

BufferedReader reader = new BufferedReader(new FileReader(fileToRead));

String line;

System.***out***.println("The content of the file is: ");

while((line = reader.readLine()) != null) {

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

}

}

else {

throw new Exception("File not found!");

}

}

}