PITFALLS
In the Student Control System

OBJECT-ORIENTED PROGRAMMING
NRC 7996

1. Verification of a String error:

```
run:
Welcome to the Student Control System
======================
1.I'm the Teacher >
2.I'm a Student >
3.Exit the program >
======================
1
Please enter your id: normal
Exception in thread "main" java.util.InputMismatchException
        at java.base/java.util.Scanner.throwFor(Scanner.java:943)
        at java.base/java.util.Scanner.next(Scanner.java:1598)
        at java.base/java.util.Scanner.nextInt(Scanner.java:2263)
        at java.base/java.util.Scanner.nextInt(Scanner.java:2217)
        at studentcontrolsystem.view.StudentControlSystem.main(StudentControlSystem.java
C:\Users\NW USER\AppData\Local\NetBeans\Cache\15\executor-snippets\run.xml:111: The fol
C:\Users\NW USER\AppData\Local\NetBeans\Cache\15\executor-snippets\run.xml:68: Java ret
BUILD FAILED (total time: 1 minute 59 seconds)
```

```
run:
Welcome to the Student Control System
======================
1.I'm the Teacher >
2.I'm a Student >
3.Exit the program >
======================
1
Please enter your id: 1234567890
..:: NCKSDCNSKDCN ::..
    Welcome Lucy
======================
1. Register a student >
2. View student list >
3. Exit the teacher menu >
======================
=============> idk
Exception in thread "main" java.util.InputMismatchException
        at java.base/java.util.Scanner.throwFor(Scanner.java:943)
        at java.base/java.util.Scanner.next(Scanner.java:1598)
        at java.base/java.util.Scanner.nextInt(Scanner.java:2263)
        at java.base/java.util.Scanner.nextInt(Scanner.java:2217)
        at studentcontrolsystem.view.StudentControlSystem.printMenuTeacher(StudentControl
        at studentcontrolsystem.view.StudentControlSystem.main(StudentControlSystem.java:
C:\Users\NW USER\AppData\Local\NetBeans\Cache\15\executor-snippets\run.xml:111: The follo
C:\Users\NW USER\AppData\Local\NetBeans\Cache\15\executor-snippets\run.xml:68: Java retu
BUILD FAILED (total time: 51 seconds)
```

2. Return to Main menu missing:

```
run:
Welcome to the Student Control System
=======================
1.I'm the Teacher >
2.I'm a Student >
3.Exit the program >
=======================
1
Please enter your id: 1234567890
..:: NCKSDCNSKDCN ::..
    Welcome Lucy
=======================
1. Register a student >
2. View student list >
3. Exit the teacher menu >
=======================
==============> 1
***************************
Enter the student name:
```

In case the user chooses the option wrong, he cannot go back to the main menu.

3. Commented function:

```java
case 1 -> {

    System.out.print(s:"Please enter your id: ");
    searchId = sc.nextInt();
    while (searchId != 1234567890) {
        System.out.println(x:"Please try again: ");
        searchId = sc.nextInt();
    }
    /*System.out.println("Please enter your password");
    searchPassword = sc.next();
    int areDifferent = searchPassword.compareTo(teacher.getPassword());
    while (areDifferent!=0) {
        System.out.println("Please try again: ");
        searchPassword = sc.next();
    }
    System.out.println("you made it yay");*/

    //Tercer menu para el profesor
    printMenuTeacher();


}
case 2 ->{
    System.out.println(x:"=======================");
    System.out.println(x:"This section will be available soon :D");
    System.out.println(x:"=======================");
}
```

4. Not used variables:

```
187
188    public boolean validatorOfDNI(String DNI) {
           boolean correctDNI = false;
190
191        try {
192
           if (DNI.length() == 10)
194        {
195            int thirdDigit = Integer.parseInt(s:DNI.substring(beginIndex:2, endIndex:3));
196            if (thirdDigit < 6) {
197                int[] arrayDNI = {2, 1, 2, 1, 2, 1, 2, 1, 2};
198                int verificator = Integer.parseInt(s:DNI.substring(beginIndex:9, endIndex:10));
199                int addition = 0;
                   int digit = 0;
201                for (int i = 0; i < (DNI.length() - 1); i++) {
202                    digit = Integer.parseInt(s:DNI.substring(beginIndex:i, i + 1)) * arrayDNI[i];
203                    addition += ((digit % 10) + (digit / 10));
204                }
205
206                if ((addition % 10 == 0) && (addition % 10 == verificator)) {
207                    correctDNI = true;
                   } else if ((10 - (addition % 10)) == verificator) {
209                    correctDNI = true;
210                } else {
211                    correctDNI = false;
212                }
213            } else {
214                correctDNI = false;
```