

## Add New Student Module

Begin Add New Student

Enter Student Id

No

Validate Student Id (is it unique)

Yes

Enter Student Name

Is name valid?

Yes

No

Add student

Notify user of error

End Add New Student

### Student

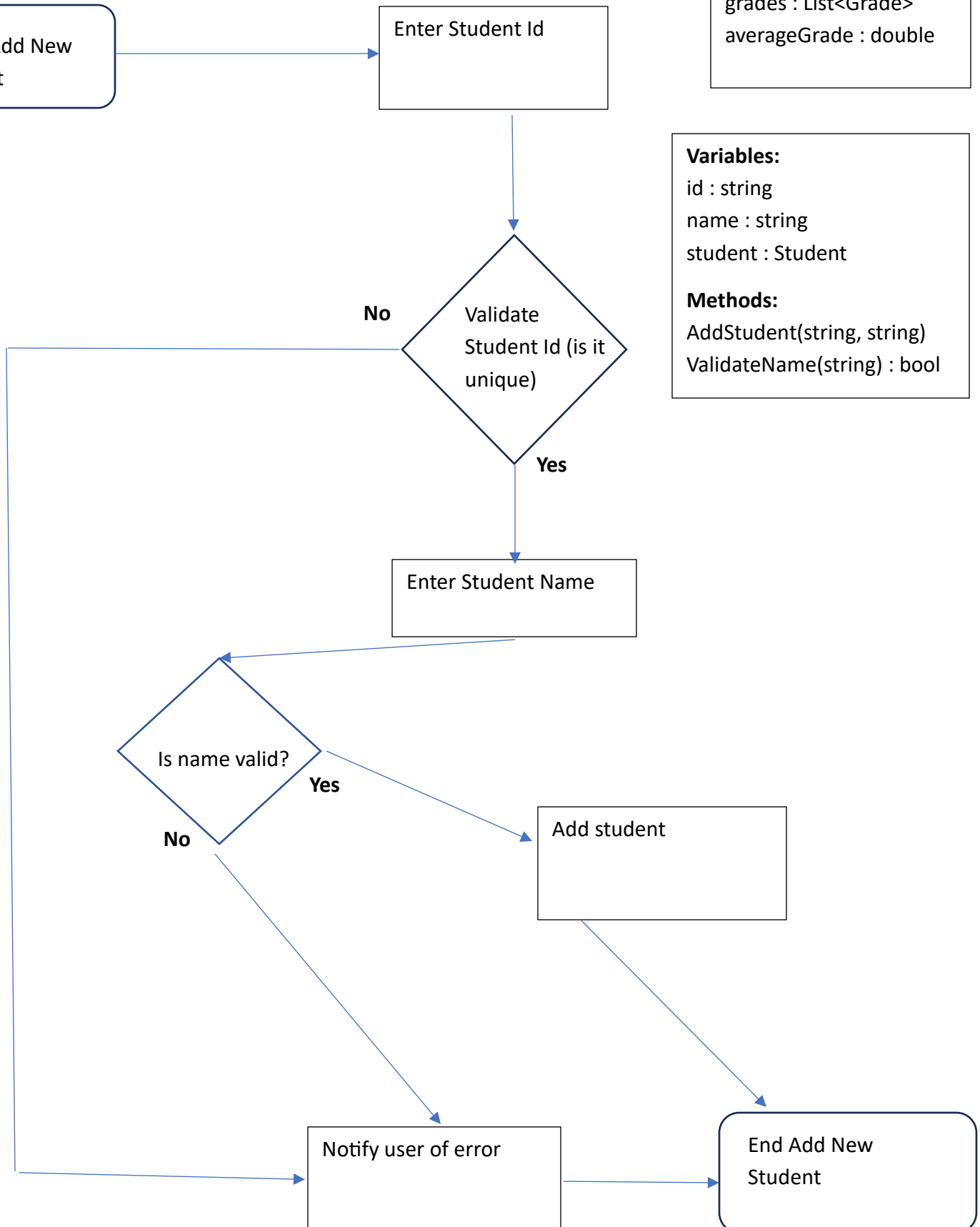
id : string  
name : string  
grades : List<Grade>  
averageGrade : double

### **Variables:**

id : string  
name : string  
student : Student

### **Methods:**

AddStudent(string, string)  
ValidateName(string) : bool



Assign Grades  
Module

**Grade**

subject : string  
score : double

Begin Assign  
Grades

Enter Student Id

Valid Id?

No

Yes

Enter Subject

Enter Grade

Subject already  
graded?

Yes

No

Ask user if they want  
to modify the score

Answer

No

Yes

Modify the score of the  
Grade for that subject

Add Grade to  
Student with subject  
and score

Display user's current  
grades and subjects

Notify user of error

End Assign Grades

**Variables:**

studentId : string  
student : Student  
grade : Grade  
subject : string  
score : double

**Methods:**

AddGrade(string, double)  
ModifyGrade(Grade, double)

