

Class SubjectValidation

This important class contains utility methods that validate some of the constructor arguments for the objects created by the `Subject` class.

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Inheritance

- System.Object
 - SubjectValidation

Inherited Members

System.Object.Equals(System.Object)
System.Object.Equals(System.Object, System.Object)
System.Object.GetHashCode()
System.Object.GetType()
System.Object.MemberwiseClone()
System.Object.ReferenceEquals(System.Object, System.Object)
System.Object.ToString()

Namespace: [SchoolReportSystem.model.validation](#)

Assembly: SchoolReportSystem.dll

Syntax

```
public static class SubjectValidation
```

Methods

[IsSubjectGradeValid\(String, String\)](#)

This method checks if the subject grade is valid and returns a tuple of boolean and string, which depends on the validity.

Declaration

```
public static (bool, string) IsSubjectGradeValid(string grade, string type)
```

Parameters

Type	Name	Description
System.String	<i>grade</i>	The subject grade string to be validated.
System.String	<i>type</i>	The type of subject grade (actual/expected).

Returns

Type	Description
System.ValueTuple<System.Boolean, System.String>	A tuple of a boolean true/false dependent on the validity of the grade string and

[IsSubjectIDValid\(String\)](#)

This method checks if the ID field of a Subject object is valid and returns a tuple of boolean and string, which depends on the validity.

Declaration

```
public static (bool, string) IsSubjectIDValid(string ID)
```

Parameters

Type	Name	Description
System.String	<i>ID</i>	The subject ID to be validated.

Returns

Type	Description
System.ValueTuple<System.Boolean, System.String>	A tuple of a boolean true/false dependent on the validity of the subject ID and a
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[↗](#) IsSubjectNameValid(String)

This method checks if the subject name is valid and returns a tuple of boolean and string, with values that depend on the validity of the subject name. As there a potential of different types of subject names depending on different conditions, each one is sectioned in a separate part of the main IF statement.

Declaration

```
public static (bool, string) IsSubjectNameValid(string name)
```

Parameters

Type	Name	Description
System.String	<i>name</i>	The subject name to be validated.

Returns

Type	Description
System.ValueTuple<System.Boolean, System.String>	A tuple of a boolean true/false dependent on the validity of the subject name ar
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