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Class ValidationMethods

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

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Inheritance

☐ System.Object

   ☐ ValidationMethods

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.utility

Assembly: SchoolReportSystem.dll

Syntax

```
public static class ValidationMethods
```

🔗 Methods

🔗 CheckIDRange(Int32, String)

This method returns true/false depending on the whether digits of the ID string are valid for the year.

Declaration

```
public static bool CheckIDRange(int year, string ID)
```

Parameters

Type	Name	Description
System.Int32	*year*	The student's academic year.
System.String	*ID*	The student's ID.

Returns

Type	Description
System.Boolean	A boolean true/false is returned, which depends on the ID value being in range or not.

🔗 IsIDValid(Int32, String)

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

Declaration

```
public static (bool, string) IsIDValid(int year, string ID)
```

Parameters

Type	Name	Description
System.Int32	*year*	The student's academic year.
System.String	*ID*	The student's ID.

Returns

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

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🔗 IsSchoolNameValid(String)

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

Declaration

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

Parameters

Type	Name	Description
System.String	*name*	The school 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 name string and

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🔗 IsStudentNameValid(String, String)

This method checks if the forename or surname fields of the Student object are valid; it returns a tuple of boolean and string, which depends on the validity.

Declaration

```
public static (bool, string) IsStudentNameValid(string name, string type)
```

Parameters

Type	Name	Description
System.String	*name*	The name string to be validated.
System.String	*type*	The type of name (forename/surname).

Returns

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

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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 seperate part of the main IF statement.

Declaration

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

Parameters

Type	Name	Description
System.String	*name*	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

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