

System.ComponentModel.DataAnnotations Namespace

Reference

Provides attribute classes that are used to define metadata for ASP.NET MVC and ASP.NET data controls.

Classes

AssociatedMetadataTypeTypeDescriptionProvider	Extends the metadata information for a class by adding attributes and property information that is defined in an associated class.
AssociationAttribute	Specifies that an entity member represents a data relationship, such as a foreign key relationship.
CompareAttribute	Provides an attribute that compares two properties.
ConcurrencyCheckAttribute	Specifies that a property participates in optimistic concurrency checks.
CreditCardAttribute	Specifies that a data field value is a credit card number.
CustomValidationAttribute	Specifies a custom validation method that is used to validate a property or class instance.
DataTypeAttribute	Specifies the name of an additional type to associate with a data field.
DisplayAttribute	Provides a general-purpose attribute that lets you specify localizable strings for types and members of entity partial classes.
DisplayColumnAttribute	Specifies the column that is displayed in the referred table as a foreign-key column.
DisplayFormatAttribute	Specifies how data fields are displayed and formatted by ASP.NET Dynamic Data.
EditableAttribute	Indicates whether a data field is editable.
EmailAddressAttribute	Validates an email address.

EnumDataTypeAttribute	Enables a .NET enumeration to be mapped to a data column.
FileExtensionsAttribute	Validates file name extensions.
FilterUIHintAttribute	Represents an attribute that is used to specify the filtering behavior for a column.
KeyAttribute	Denotes one or more properties that uniquely identify an entity.
MaxLengthAttribute	Specifies the maximum length of array or string data allowed in a property.
MetadataTypeAttribute	Specifies the metadata class to associate with a data model class.
MinLengthAttribute	Specifies the minimum length of array or string data allowed in a property.
PhoneAttribute	Specifies that a data field value is a well-formed phone number.
RangeAttribute	Specifies the numeric range constraints for the value of a data field.
RegularExpressionAttribute	Specifies that a data field value in ASP.NET Dynamic Data must match the specified regular expression.
RequiredAttribute	Specifies that a data field value is required.
ScaffoldColumnAttribute	Specifies whether a class or data column uses scaffolding.
StringLengthAttribute	Specifies the minimum and maximum length of characters that are allowed in a data field.
TimestampAttribute	Specifies the data type of the column as a row version.
UIHintAttribute	Specifies the template or user control that Dynamic Data uses to display a data field.
UrlAttribute	Provides URL validation.
ValidationAttribute	Serves as the base class for all validation attributes.
ValidationContext	Describes the context in which a validation check is performed.
ValidationException	Represents the exception that occurs during validation of a data field when the ValidationAttribute class is used.
ValidationResult	Represents a container for the results of a validation request.

Validator

Defines a helper class that can be used to validate objects, properties, and methods when it is included in their associated [ValidationAttribute](#) attributes.

Interfaces

IValidatableObject

Provides a way for an object to be validated.

Enums

DataType

Represents an enumeration of the data types associated with data fields and parameters.