

Data Types

Non-Primary and Foreign Keys

Type	Can be NULL	Validation Annotations
int (Int32)	N	Required, Range
int? (Int32?)	Y	Range
DateTime	N	Required
DateTime?	Y	
*string	*Y	*Required or not, StringLength, MinLength
decimal	N	Required, Range
decimal?	Y	Range
bool	N	Required

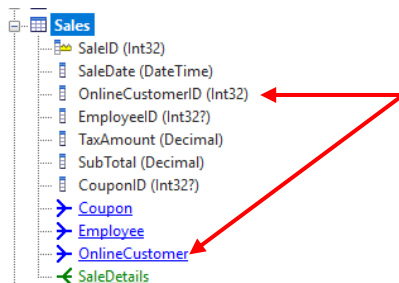
Any data type that has a ? after it is a **nullable** field and **MUST NOT** have a [Required] annotation

Primary Keys

Generally, the first field listed in an Entity class identified by [Key], NO ErrorMessage.

Foreign Keys

Any other field in an Entity that ends with "ID", "id", or "Id". Only need [Required] with ErrorMessage. In LINQPad, these can be seen as having the Many-to-1 relationship:



*Strings

The string data type is an object which can be null. During Database Reverse Engineer, string fields that are NOT NULL will have [Required] and [StringLength]. Fields that can be null will have no validation annotations. In a database, the string data type has different SQL data types:

Variable Length

Here the MinLength is less than the StringLength

- VARCHAR
- NVARCHAR

Fixed Length

Here the MinLength is equal to the StringLength

- CHAR
- NCHAR