Data Annotations

By: Mosh Hamedani

Tables

```csharp
[Table("tbl_Course", Schema = "catalog" )]
public class Course
{
}
```

Columns

```csharp
[Column("sName", TypeName = "varchar")]
[Required]
[MaxLength(255)]
public string Name { get; set; }
```

Primary Keys

```csharp
[Key]
[DatabaseGenerated(DatabaseGeneratedOption.None)]
public class Isbn { get; set; }
```

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Composite Primary Keys

```csharp
public class OrderItem
{
    [Key]
    [Column(Order = 1)]
    public int OrderId { get; set; }

    [Key]
    [Column(Order = 2)]
    public int OrderItemId { get; set; }

}
```

Indices

```csharp
[Index]
public int AuthorId { get; set; }


[Index(IsUnique = true)]
public string Name { get; set; }
```

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Composite Indices

```
[Index("IX_AuthorStudentsCount", 1)]
public int AuthorId { get; set; }

[Index("IX_AuthorStudentsCount", 2)]
public int StudentsCount { get; set; }
```

Foreign Keys

```
public class Course
{
    [ForeignKey("Author")]
    public int AuthorId { get; set; }

    public Author Author { get; set; }
}
```