**Custom Attributes & Use cases and Include**

Suppose we have customer class which having List of Invoice and each Invoice have Collection of Items.

Invoice1

Item1

Item3

Item2

Customer

Invoice2

Invoice3

One – many -Many

By default entity Framework Profile lazy loading ,

public class Customer

{

public int CustomerID { get; set; }

public string Name { get; set; }

public virtual List<Invoice> Invoices { get; set; } // by making Virtual we make it lazy loading

}

public class Invoice

{

public int InvoiceID { get; set; }

public DateTime Date { get; set; }

public int CustomerID { get; set; }

public virtual Customer Customer { get; set; }

public virtual ICollection<Item> Items { get; set; }

}

public class Item

{

public int ItemID { get; set; }

public string Name { get; set; }

public int InvoiceID { get; set; }

public virtual Invoice Invoice { get; set; }

}

using (var context = new MyContext())

{

var list = context.Customers.ToList();

foreach (var customer in list)

{

Console.WriteLine("Customer Name: {0}", customer.Name);

foreach (var customerInvoice in customer.Invoices)

{

Console.WriteLine("\tInvoice Date: {0}", customerInvoice.Date);

}

}

}

SELECT

[Extent1].[Id] AS [Id],

[Extent1].[Name] AS [Name]

FROM [dbo].[Customers] AS [Extent1]