Code First builds conceptual model from your domain classes using default conventions. Code first leverages a programming pattern referred to as convention over configuration. It means you can override these conventions by configuring your domain classes to provide EF with the information it needs. There are two ways to configure your domain classes.

1. DataAnnotations
2. Fluent API

**DataAnnotation:**

DataAnnotation is a simple attribute based configuration, which you can apply on your domain classes and its properties. You can find most of the attributes in the [*System.ComponentModel.DataAnnotations*](http://msdn.microsoft.com/en-us/library/system.componentmodel.dataannotations%28v=vs.110%29.aspx) namespace. However, DataAnnotation provides only a subset of Fluent API configurations. So if you don't find some attributes in DataAnnotation, then you have to use Fluent API to configure it.

Following is an example of DataAnnotation used in Student Class:

[Table("StudentInfo")]

public class Student

{

public Student() { }

[Key]

public int SID { get; set; }

[Column("Name", TypeName="ntext")]

[MaxLength(20)]

public string StudentName { get; set; }

[NotMapped]

public int? Age { get; set; }

public int StdId { get; set; }

[ForeignKey("StdId")]

public virtual Standard Standard { get; set; }

}

**Fluent API:**

Fluent API configuration is applied as EF builds the model from your domain classes You can inject the configurations by overriding the DbContext class's **OnModelCreating** method as following:

public class SchoolDBContext: DbContext

{

public SchoolDBContext(): base("SchoolDBConnectionString")

{

}

public DbSet<Student> Students { get; set; }

public DbSet<Standard> Standards { get; set; }

public DbSet<StudentAddress> StudentAddress { get; set; }

**protected override void OnModelCreating(DbModelBuilder modelBuilder)**

**{**

**//Configure domain classes using Fluent API here**

**base.OnModelCreating(modelBuilder);**

**}**

}

You can use modelBuilder, which is an object of DbModelBuilder class, to configure domain classes.

Let's see DataAnnotation