**创建ContosoUniversity项目的步骤**

**一、创建 mvc core新项目<br/>**

**二、项目名称**：ContosoUniversity<br/>

**三、增加菜单项**，在Views/Shared/\_Layout.cshtml的菜单中增加如下代码

<li class="nav-item">

<a class="nav-link text-dark" asp-area="" asp-controller="Home" asp-action="About">About</a>

</li>

<li class="nav-item">

<a class="nav-link text-dark" asp-area="" asp-controller="Students" asp-action="Index">学生</a>

</li>

<li class="nav-item">

<a class="nav-link text-dark" asp-area="" asp-controller="Courses" asp-action="Index">课程</a>

</li>

<li class="nav-item">

<a class="nav-link text-dark" asp-area="" asp-controller="Instructors" asp-action="Index">讲师</a>

</li>

<li class="nav-item">

<a class="nav-link text-dark" asp-area="" asp-controller="Departments" asp-action="Index">部门</a>

</li>

**四、在Models文件夹中添加Student类**

public class Student

{

public int ID { get; set; }

public string LastName { get; set; }

public string FirstMidName { get; set; }

public DateTime EnrollmentDate { get; set; }

public ICollection<Enrollment> Enrollments { get; set; }

}

**五、继续添加Enrollment和Course类**

1、Enrollment类

public enum Grade

{

A, B, C, D, F

}

public class Enrollment

{

public int EnrollmentID { get; set; }

public int CourseID { get; set; }

public int StudentID { get; set; }

public Grade? Grade { get; set; }

public Course Course { get; set; }

public Student Student { get; set; }

}

2、Course类

public class Course

{

[DatabaseGenerated(DatabaseGeneratedOption.None)]

public int CourseID { get; set; }

public string Title { get; set; }

public int Credits { get; set; }

public ICollection<Enrollment> Enrollments { get; set; }

}

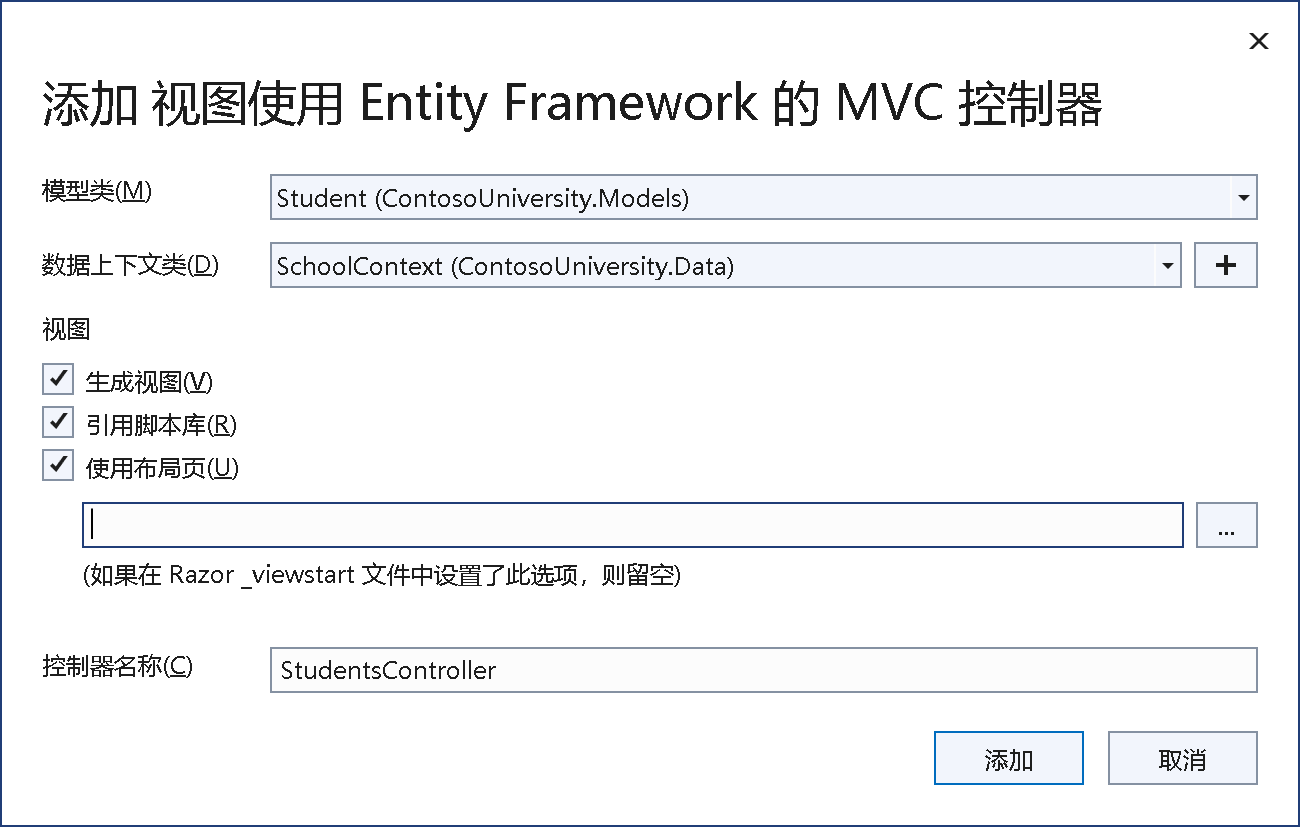
注意：引用 using System.ComponentModel.DataAnnotations.Schema;

**六、编译并运行，查看程序是否能正确运行。**

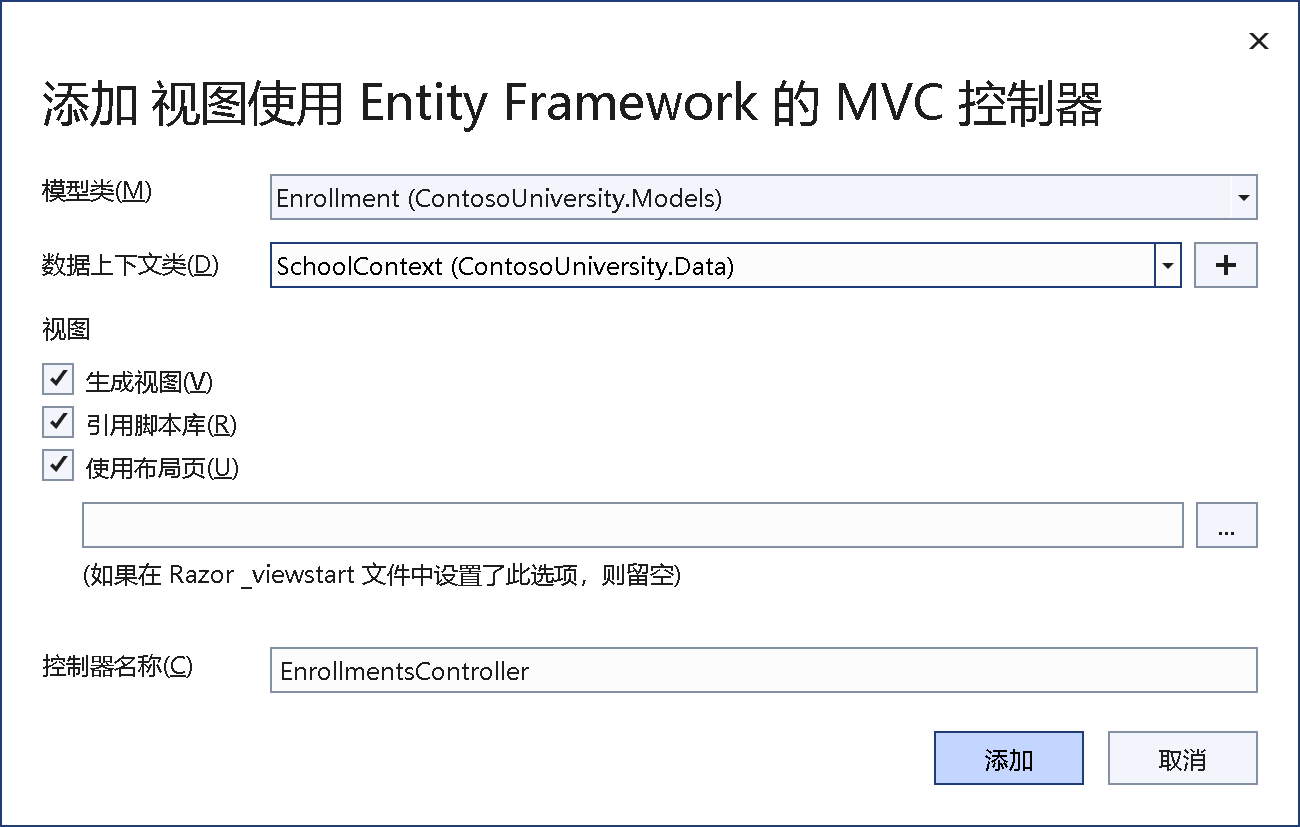
**七、如果是.net 6.0的项目**（5.0的项目调过此步骤），需要修改项目文件，方法为：在“解决方案资源管理器”的项目名称上

右键->属性->生成->可为 Null 类型 选项设为禁用

**八、添加Controller**：在Controllers上右键->添加->控制器，按如下方式添加，如果出错误多试几次。



**九、以此类推，**继续添加 Enrollment和Course模型类。



数据上下文类无需修改或增加。

十、创建数据库

1、add-migration init

2、update-database

附件：

**SQLServer安装方法：**

**打开vs 2022或2019，选择菜单的“工具”->获取工具和功能，之后如下图所示步骤安装即可。**

