

The Entity Framework and ASP.NET – Getting Started

The Contoso University sample web application demonstrates how to create ASP.NET Web Forms applications using the Entity Framework. The sample application is a website for a fictional Contoso University. It includes functionality such as student admission, course creation, and instructor assignments.

This tutorial series details the steps taken to build the Contoso University sample application. You can [download the completed application](#) or create it by following the steps in the tutorial. If you have questions about the tutorial, please post them to the [ADO.NET, Entity Framework, LINQ to SQL, NHibernate forum](#) on the ASP.NET website.

This tutorial series uses the ASP.NET Web Forms model. It assumes you know how to work with ASP.NET Web Forms in Visual Studio. If you don't, a good place to start is a [basic ASP.NET Web Forms Tutorial](#). If you prefer to work with the ASP.NET MVC framework, see the [Creating Model Classes with the Entity Framework](#) tutorial.

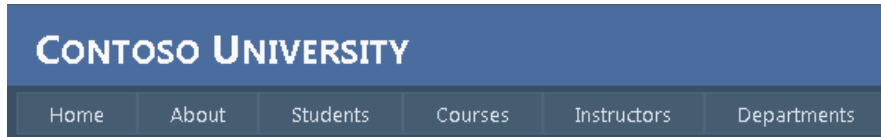
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Part 1: Overview

The application you'll be building in these tutorials is a simple university website.



WELCOME TO CONTOSO UNIVERSITY!

Users can view and update student, course, and instructor information. A few of the screens you'll create are shown below.

STUDENT LIST

	ID	Name	EnrollmentDate
Edit Delete	3	Peggy Justice	9/1/2001
Edit Delete	6	Yan Li	9/1/2002
Edit Delete	7	Laura Norman	9/1/2003

ADD NEW STUDENTS

First Name	<input type="text"/>
Last Name	<input type="text"/>
Enrollment Date	<input type="text"/>
Insert Cancel	

COURSES BY DEPARTMENT

Select a Department

CourseID	Title	Credits
1050	Chemistry	4
1061	Physics	4

COURSES BY NAME

Enter a course name

Department	CourseID	Title	Credits
Economics	4041	Macroeconomics	3
Economics	4022	Microeconomics	3

INSTRUCTORS

	ID	Name	Hire Date	Office Assignment
Edit Select	1	Abercrombie, Kim	3/11/1995	17 Smith
Edit Select	4	Fakhouri, Fadi	8/6/2002	29 Adams
Edit Select	5	Harui, Roger	7/1/1998	37 Williams
Edit Select	18	Zheng, Roger	2/12/2004	143 Smith
Edit Select	25	Kapoor, Candace	1/15/2001	57 Adams
Edit Select	27	Serrano, Stacy	6/1/1999	271 Williams
Edit Select	31	Stewart, Jasmine	10/12/1997	131 Smith
Edit Select	32	Xu, Kristen	7/23/2001	203 Williams
Edit Select	34	Van Houten, Roger	12/7/2000	213 Smith

COURSE DETAILS

ID	2030
Title	Poetry
Credits	2
Department	English
Location	
URL	http://www.fineart:

COURSES TAUGHT

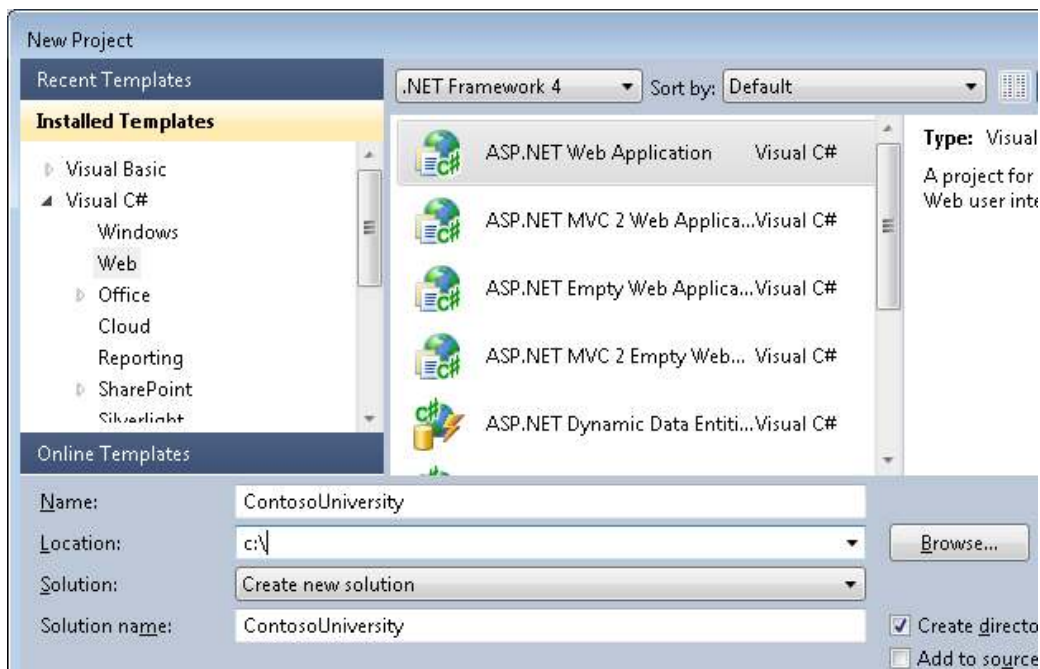
	ID	Title	Department
Select	2030	Poetry	English

STUDENT GRADES

ID	Name	Grade
2	Barzdukas, Gytis	3.50
3	Justice, Peggy	4.00

Creating the Web Application

To start the tutorial, open Visual Studio and then create a new ASP.NET Web Application Project using the **ASP.NET Web Application** template:



This template creates a web application project that already includes a style sheet and master pages:

[Click here to download full PDF material](#)