**Mvc CRUD with SQL**

Purpose:

Illustrate how to build an Asp.Net MVC application with CRUD operations backed by an SQL Server database. This application:

1. Provides an index view of a list of courses and a list of instructors.
2. Both are editable and support editing.
3. New courses and new instructors can be added at any time.
4. Uses the .Net Entity Framework EF6.
5. See steps to build on the next page.

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Steps to Build:

1. Open Visual Studio 2013
2. New Project > C# > Asp.Net Application > MVC > check MVC
3. Right click on models folder > Add > Add Class
4. Insert Course and Instructor classes with all public properties
5. They map into Tables in the database that are created automatically.
6. In each class provide a public int id property that will map to a primary key in each table.
7. Add public virtual Instructor property to the Course class.
8. That provides a navigation property that will create a foreign key column in the Course db Table.
9. Right click on the Controllers folder > Add > Controller > select MVC 5 Entity Framework project.
10. Name the controller CourseController.
11. Repeat step 9 and name the controller InstructorController
12. This will now provide a runnable application that doesn’t need much additional code to function just like this demo.