

DESIGN FIRST APPROACH

HEADING 1

Step-1


Open sqlserver and create one database for example demo.


	Column Name	Data Type	Allow Nulls
▶ 🔑	Id	int	<input type="checkbox"/>
	Name	varchar(50)	<input checked="" type="checkbox"/>
	Address	varchar(50)	<input checked="" type="checkbox"/>
	MobileNo	varchar(50)	<input checked="" type="checkbox"/>
			<input type="checkbox"/>


Step-2


Open Visual Studio Create New Project and select Empty web-application then


New ASP.NET Web Application - DesignFirst ? X


 Empty


 Web Forms

 MVC

 Web API

 Single Page Application

 Azure API App

 Azure Mobile App

An empty project template for creating ASP.NET applications. This template does not have any content in it.

[Learn more](#)

Authentication: **No Authentication**

Add folders and core references for:

☐ Web Forms ☒ MVC ☐ Web API

☐ Enable Docker support (Requires [Docker for Windows](#))

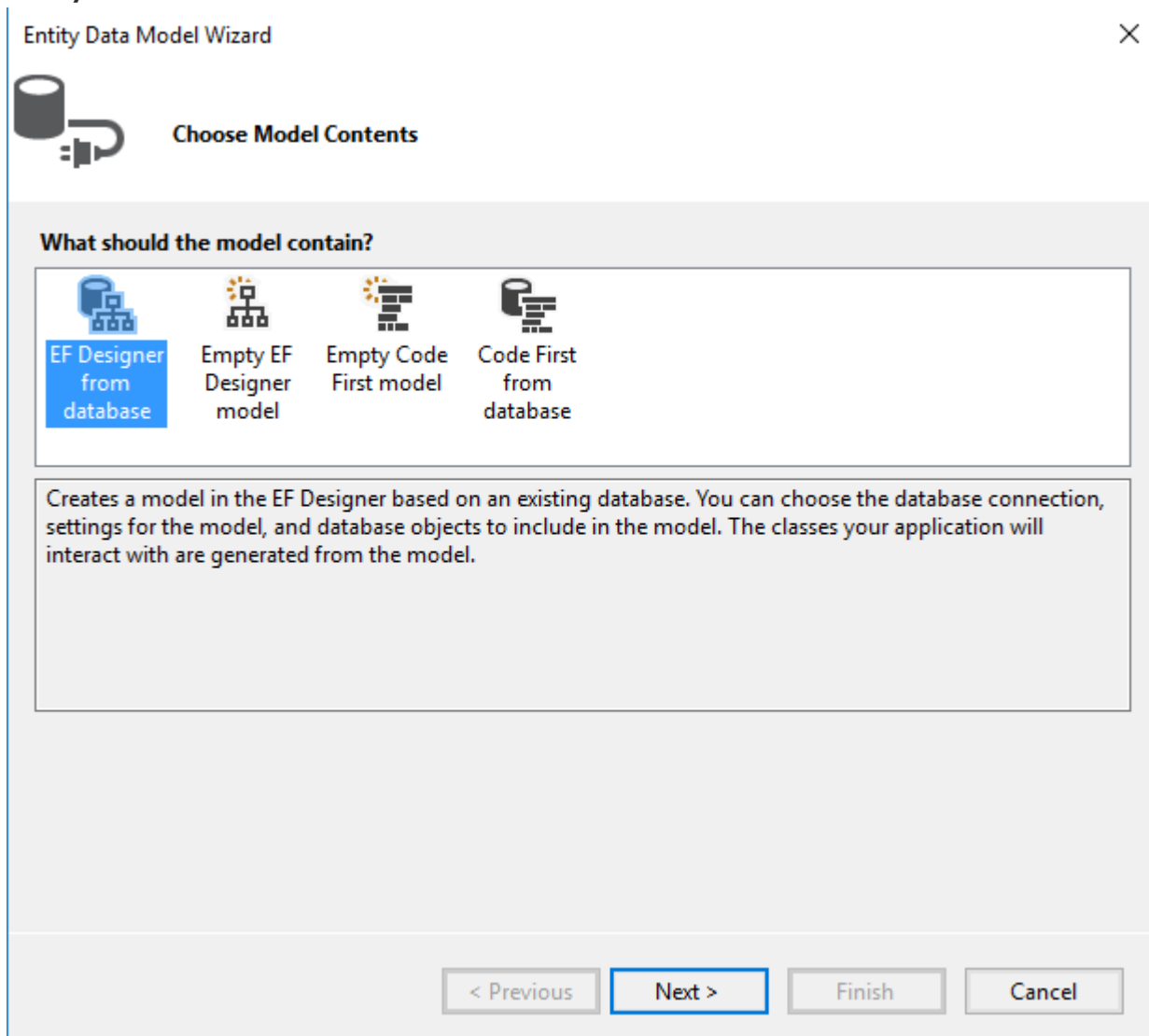
☐ Add unit tests

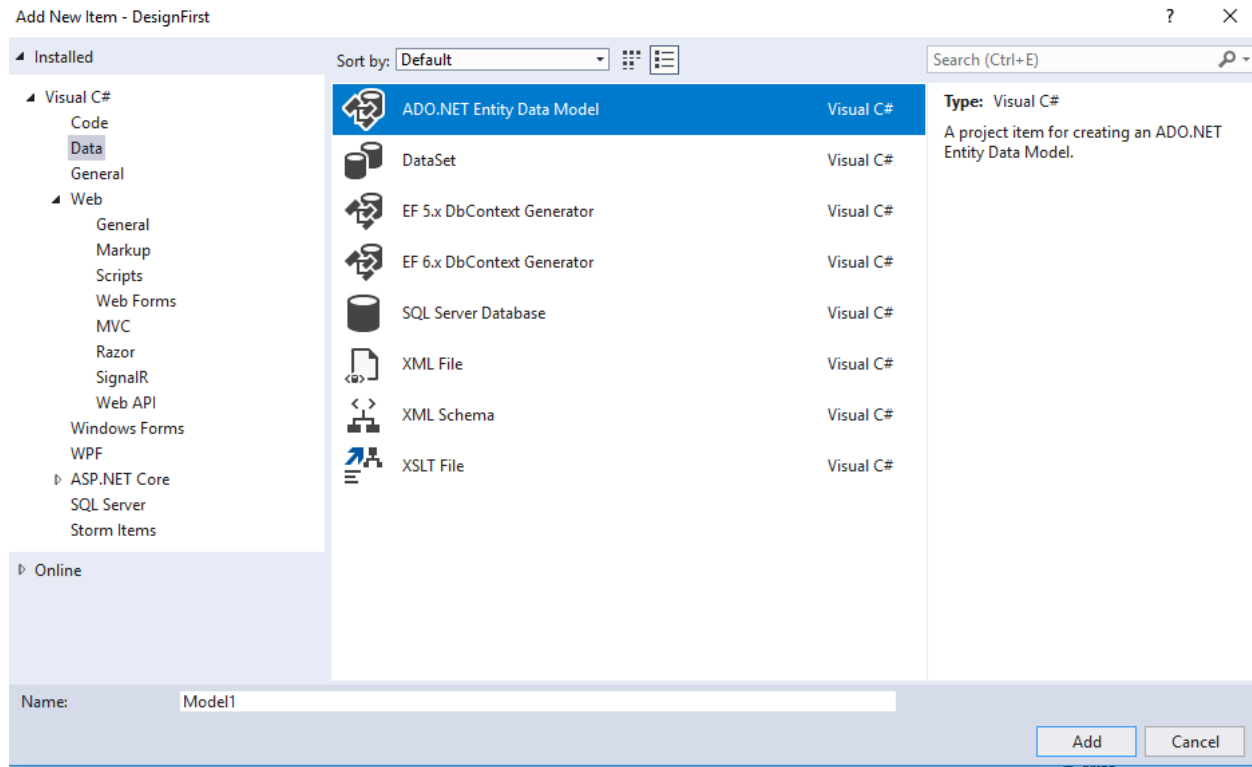
Test project name:

Click on ok.

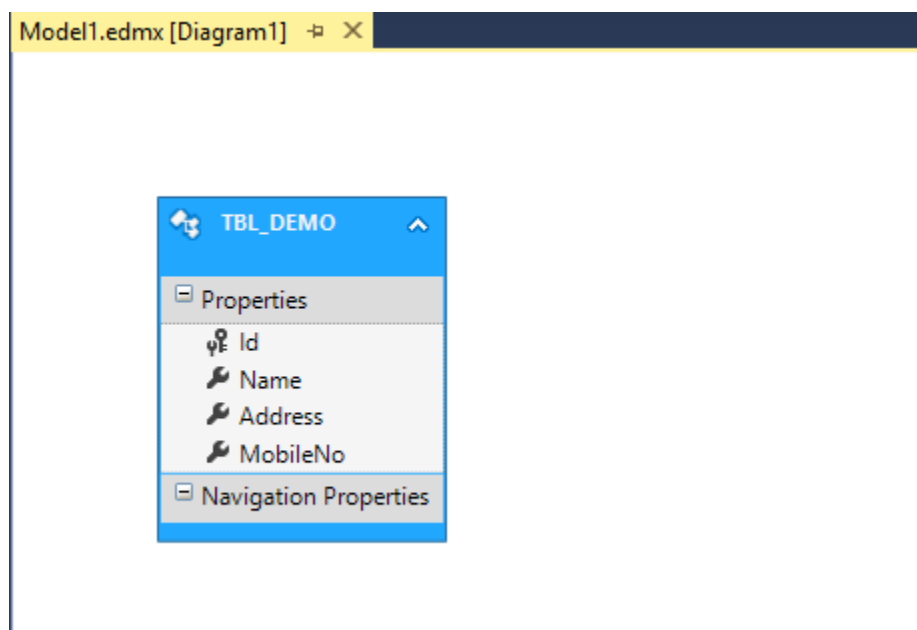
Step-3

On right side corner there is one solution Explorer on their add one folder which name EDM (Entity Data Model). Now right click on that EDM folder and add your database.





Now click on new connection and provide connectivity between database and visual studio. Now on your screen you see below fig.



now save via ctrl+s

and build your project.

Step-4

Now on controller folder add one Empty controller. And give name like Home or any but must be add this word after the name Controller. Now on controller `public ActionResult Index()` method is automatically declare so right click on that method and add view. Then follow the below fig for create custom page.

Add View

View name: Index

Template: Create

Model class: TBL_DEMO (DesignFirst.EDM)

Data context class: CON_STREntities (DesignFirst.EDM)

Options:

☐ Create as a partial view

☒ Reference script libraries

☒ Use a layout page:

(Leave empty if it is set in a Razor _viewstart file)

Add Cancel

Now build the project and run the project you can see following output on your screen.

Index - My ASP.NET Appl x

localhost:55172/Home/Index

Application name

Index

TBL_DEMO

Name	<input type="text"/>
Address	<input type="text"/>
MobileNo	<input type="text"/>

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Step-5

Now time for **insert** operation. So again go to the controller and add one more method for insert operation but here we can pass the data from client to server so add [HttpPost] and need to add connection so right following line

```
CON_STREntities _cn = new CON_STREntities();  
// GET: Home
```

Then right code for insertion operation for that see below code.

```

[HttpPost]
[ValidateAntiForgeryToken]
public ActionResult Index(TBL_DEMO _DEMO) //here In bracket Pass table name and one Object like _DEMO
{
    _cn.TBL_DEMO.Add(_DEMO);
    _cn.SaveChanges();
    return View();
}

```

now build and run the project. Here `_cn.SaveChanges()` is must be need to save value in data base.

Step-6

Now time for **view** operation. So again visit controller page and add method for view.

```

public ActionResult List()
{
    return View(_cn.TBL_DEMO.ToList());
}

```

And if you want to see your inserting data then need some changes in your inserting code which is provided below.

```

[HttpPost]
[ValidateAntiForgeryToken]
public ActionResult Index(TBL_DEMO _DEMO) //here In bracket Pass table name and one Object like _DEMO
{
    _cn.TBL_DEMO.Add(_DEMO);
    _cn.SaveChanges();
    return RedirectToAction("List"); //"list" redirect on list method.
}

```

Now right click on `List()` method and add view.

Add View

View name: List

Template: List

Model class: TBL_DEMO (DesignFirst.EDM)

Data context class: CON_STREntities (DesignFirst.EDM)

Options:

☐ Create as a partial view

☒ Reference script libraries

☒ Use a layout page:

(Leave empty if it is set in a Razor _viewstart file)

Add Cancel

Now build and run project.

Step-7

Now time for **Edit data** operation. So again visit controller page and add method to retrieve particular selected data.

```
public ActionResult Edit(int id)
{
    var data = _cn.TBL_DEMO.Find(id);
    return View(data);
}
```

Now add view. And follow following fig.

View name: Edit

Template: Edit

Model class: TBL_DEMO (DesignFirst.EDM)

Data context class: CON_STREntities (DesignFirst.EDM)

Options:

☐ Create as a partial view

☒ Reference script libraries

☒ Use a layout page:

(Leave empty if it is set in a Razor _viewstart file)

Add Cancel

Now build and run project.

Step-8

Now time for **Update data** operation. So again visit controller page and add method to update particular selected data.

```

    }
    [HttpPost]
    [ValidateAntiForgeryToken]
    public ActionResult Edit(TBL_DEMO _DEMO)
    {
        int id = _DEMO.Id;
        var data = _cn.TBL_DEMO.Find(id);
        data.Id = _DEMO.Id;
        data.Name = _DEMO.Name;
        data.Address = _DEMO.Address;
        data.MobileNo = _DEMO.MobileNo;
        _cn.SaveChanges();
        return RedirectToAction("List");
    }

```

Now build and run project.

Step-9

Now time for **Delete** operation. So again visit controller page and add method to delete particular selected data.

```
public ActionResult Delete(int id)
{
    var data = _cn.TBL_DEMO.Find(id);
    _cn.TBL_DEMO.Remove(data);
    _cn.SaveChanges();
    return RedirectToAction("List");
}
```

Now build and run.