DESIGN FIRST APPROACH

HEADING 1

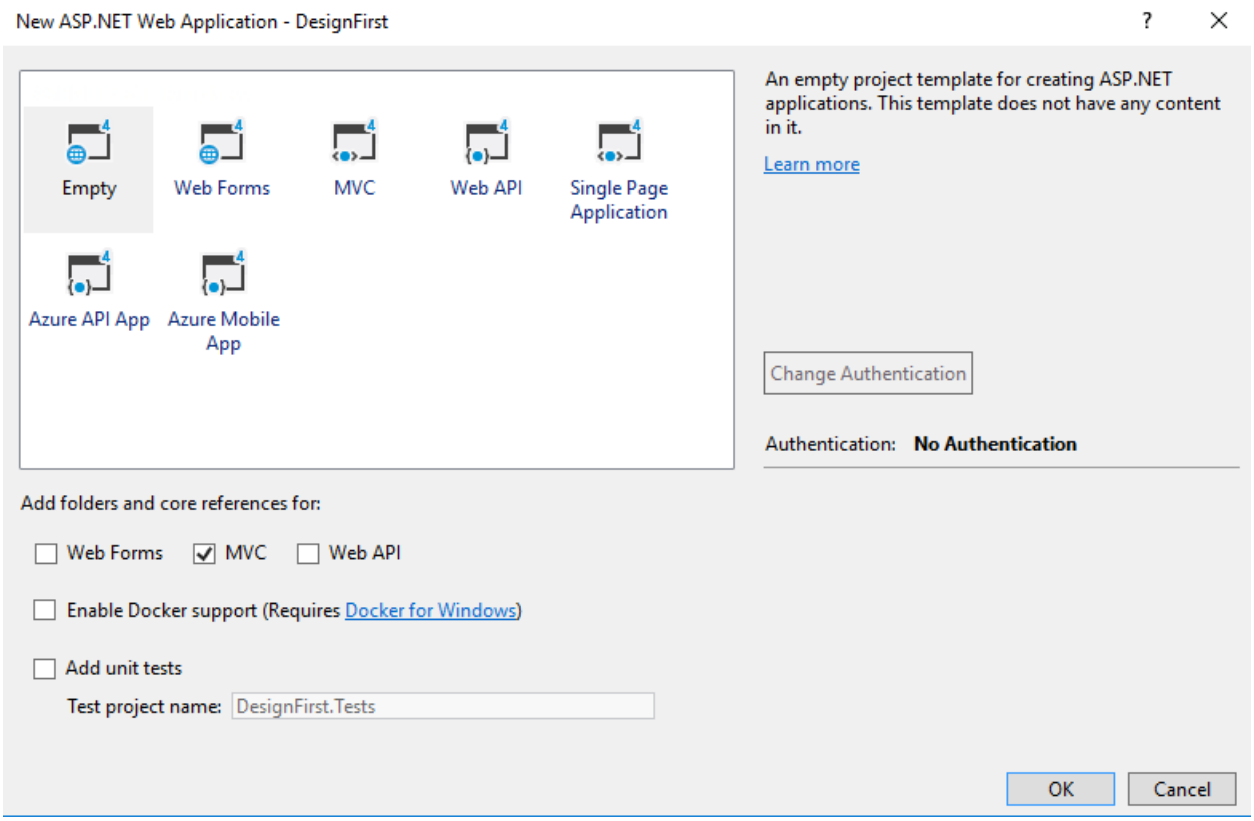
Step-1

Open sqlserver and create one database for example demo.

	Column Name	Data Type	Allow Nulls
🔑	Id	int	☐
	Name	varchar(50)	☑
	Address	varchar(50)	☑
	MobileNo	varchar(50)	☑
			☐

Step-2

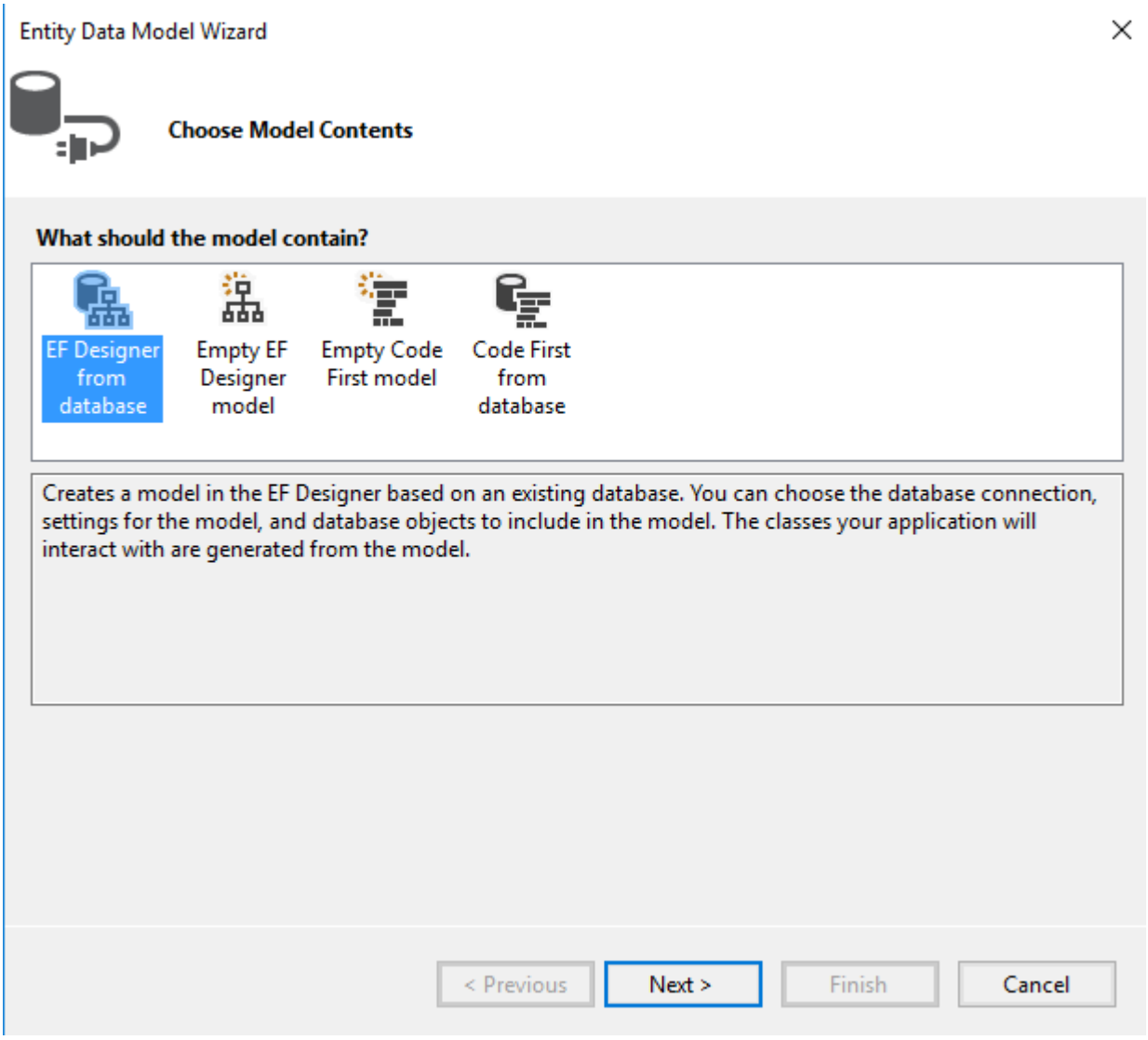
Open Visual Studio Create New Project and select Empty web-application then



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.



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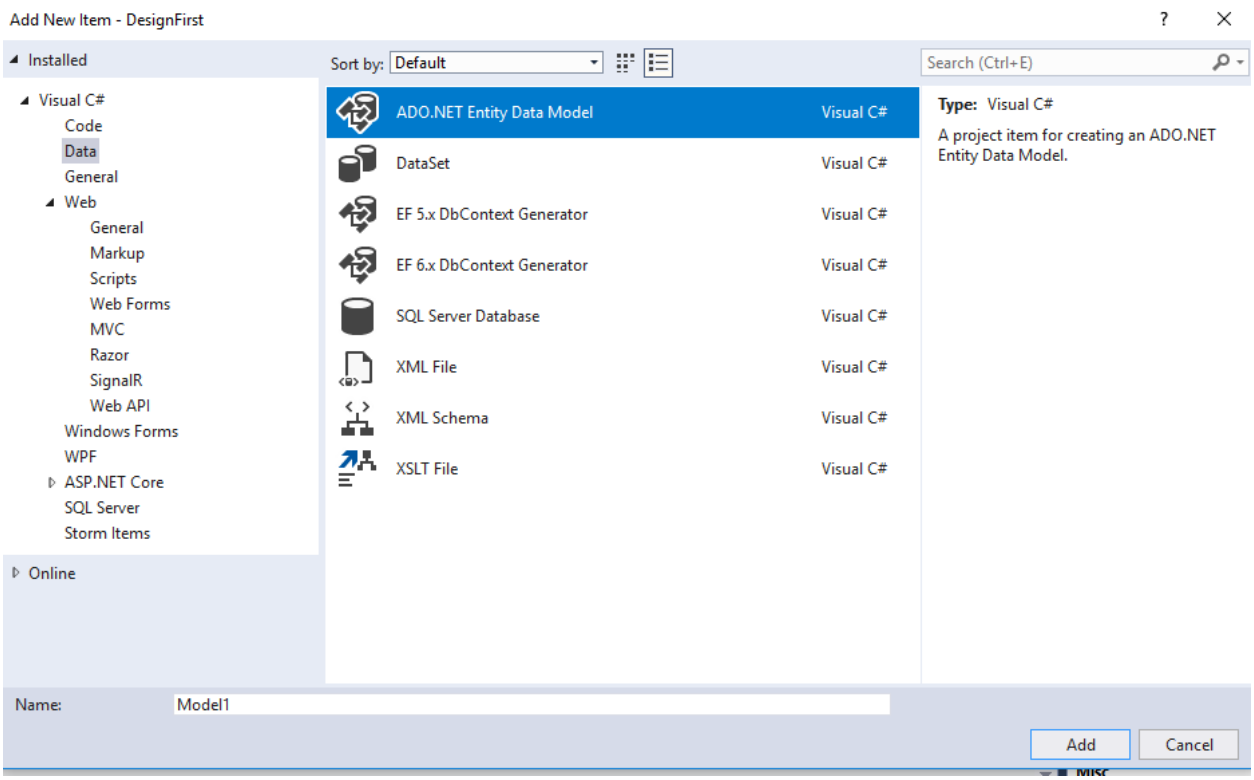
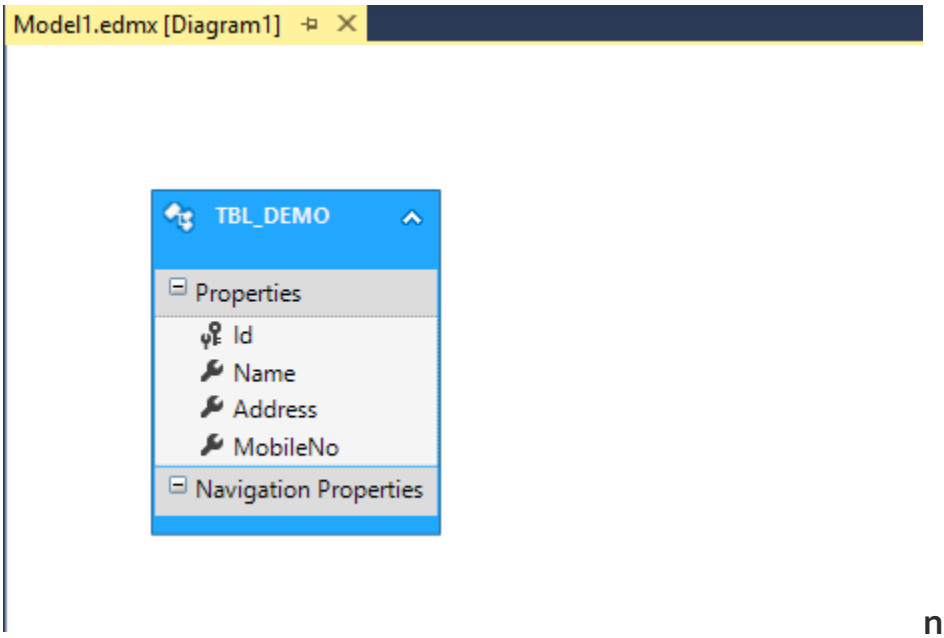


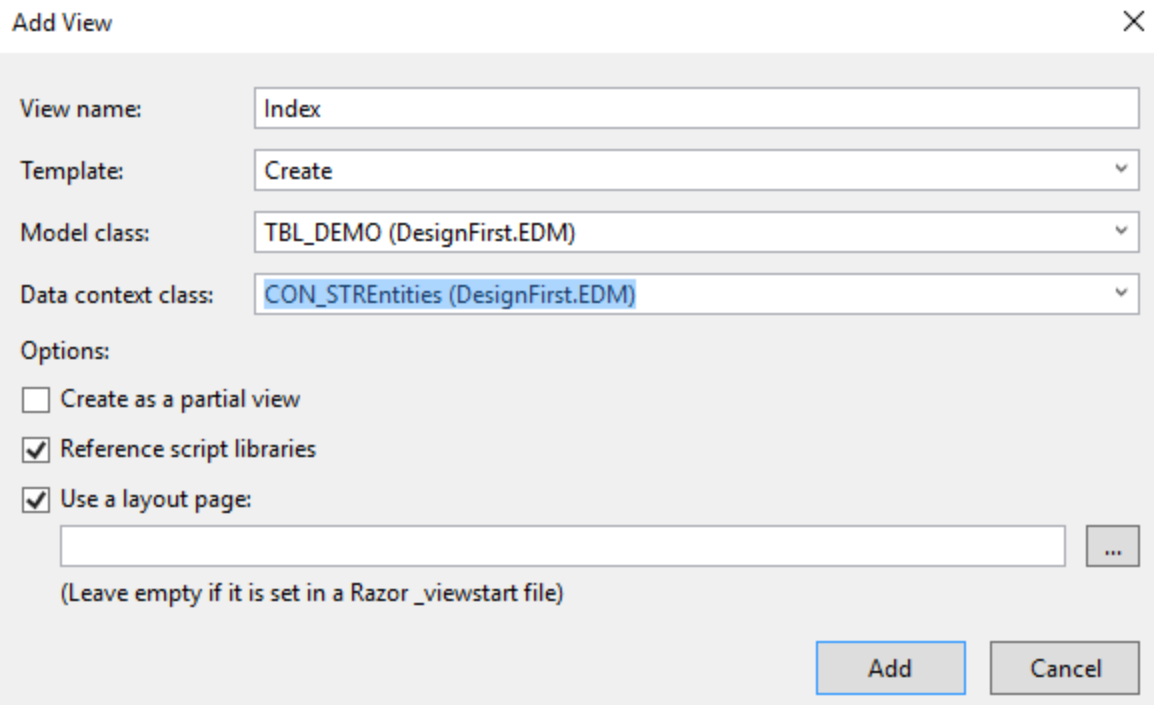
Now click on new connection and provide connectivity between database and visual studio. Now on your screen you see below fig.



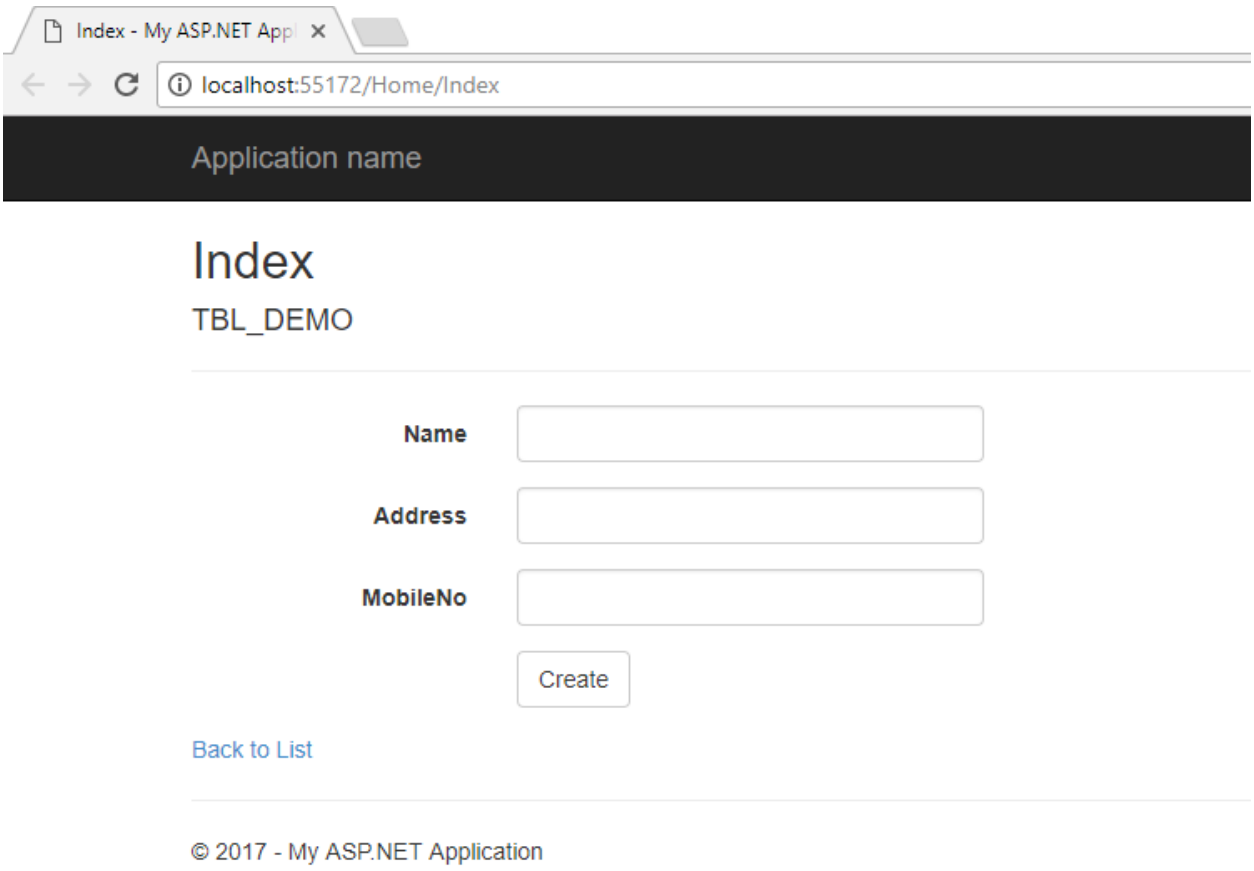
now save via ctrl+s and build your project.

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.



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



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

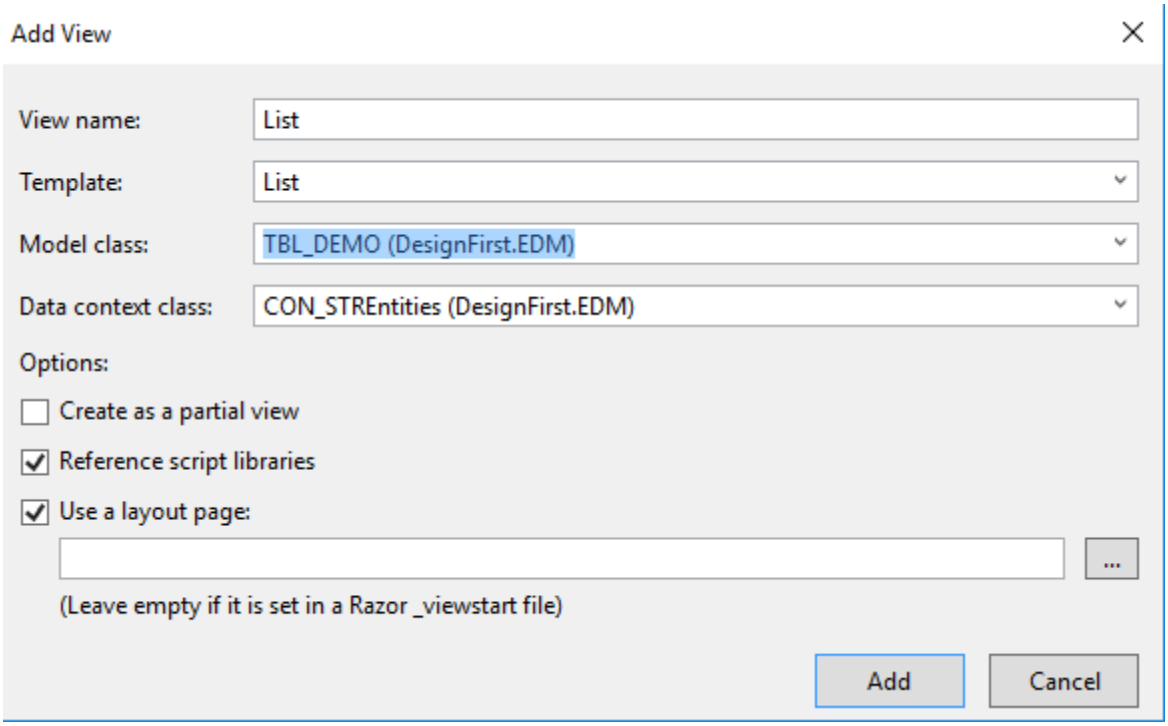
Now time for view operation. So again visit controller page and add method for view.

```
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.



Now build and run project.

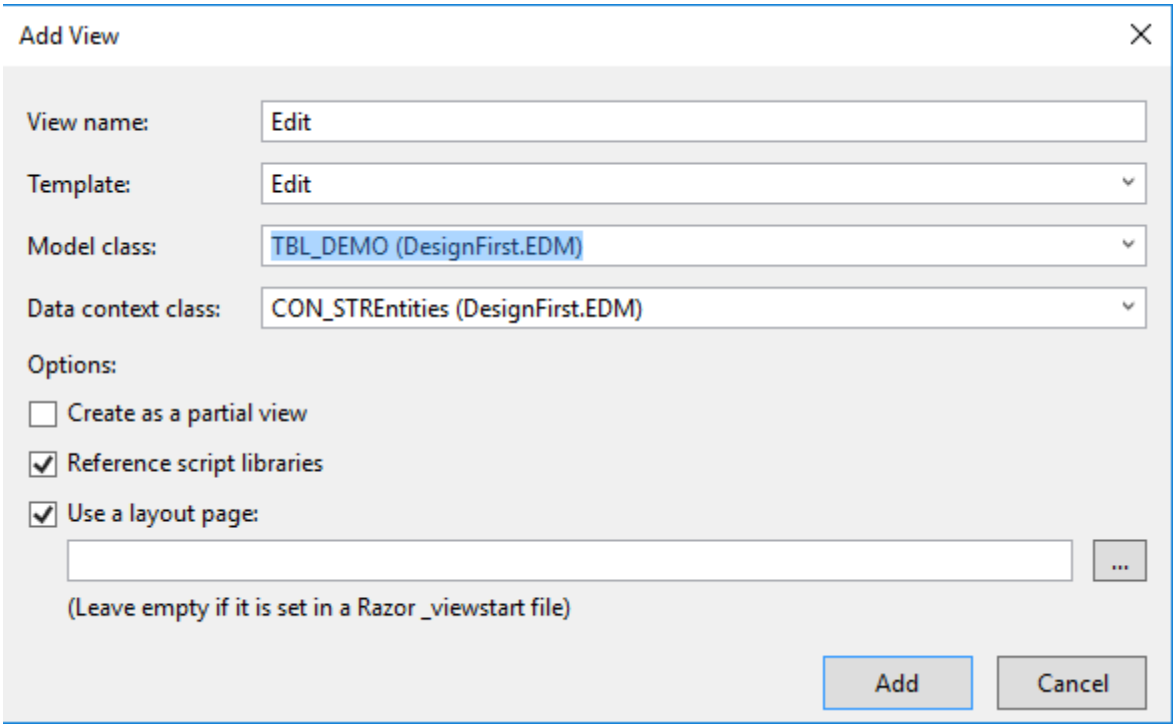
Step-7

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.



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.