Create Supplier Class

public enum StateName { Delhi, Calcutta, HP , MP};

public class Supplier

{

public int SupplierId { get; set; }

public string Name { get; set; }

public string Address { get; set; }

public StateName State { get; set; }

public ICollection<Product> Products { get; set; }

}

Create Product Class

public class Product

{

public int ProductId { get; set; }

public string Name { get; set; }

public int QtyStock { get; set; }

public DateTime DateOfPurchase { get; set; }

public Supplier Supplier { get; set; }

}

Create SalesDbContext Class

public class SalesDbContext : DbContext

{

public DbSet<Product> Products { get; set; }

public DbSet<Supplier> Suppliers { get; set; }

}

Add its entry in config file

<connectionStrings>

<add name ="SalesDbContext" connectionString="data source=LAPTOP-53S2KQS8\SQLEXPRESS;initial catalog=SalesDb;integrated security=true" providerName="System.Data.SqlClient"/>

</connectionStrings>

Build it

Add Controllers Products & Suppliers

How to bind it in View, We don’t bind it it comes automatically

<div class="form-group">

@Html.LabelFor(model => model.State, htmlAttributes: new { @class = "control-label col-md-2" })

<div class="col-md-10">

@Html.EnumDropDownListFor(model => model.State, htmlAttributes: new { @class = "form-control" })

@Html.ValidationMessageFor(model => model.State, "", new { @class = "text-danger" })

</div>

</div>

ProductsController.cs

public ActionResult Create()

{

ViewBag.SupplierNames = new SelectList(db.Suppliers.ToList() , "SupplierId", "Name") ;

return View();

}

How to Bind it in View

**<div class="form-group">**

**@Html.LabelFor(model => model.Supplier.Name, htmlAttributes: new { @class = "control-label col-md-2" })**

**<div class="col-md-10">**

**@Html.DropDownList("SuppliersName",ViewBag.SupplierNames as SelectList, new { htmlAttributes = new { @class = "form-control" } })**

**</div>**

**</div>**

Add some links in \_Layout.cshtml

<li>@Html.ActionLink("List Products", "Index", "Products")</li>

<li>@Html.ActionLink("List Suppliers", "Index", "Suppliers")</li>

<li>@Html.ActionLink("Add Product", "Create", "Products")</li>

Now Authenticate

For this , add [Authorize] Attribute

Now it will give error

For that, in web.cong file

<authentication mode="Forms">

Add Controller Account

In that create method Login

// GET: Account

public ActionResult Login()

{

return View();

}

[HttpPost]

public ActionResult Login(string username, string password)

{

if(username=="user" && password=="user")

{

FormsAuthentication.SetAuthCookie(username, false);

FormsAuthentication.RedirectFromLoginPage(username, true);

}

return View();

}

public ActionResult Logout()

{

FormsAuthentication.SignOut();

return RedirectToAction("Login");

}

In web.config file

<authentication mode="Forms">

<forms loginUrl="Account/Login">

</forms>

</authentication>

How to set it Globally , to secure your complete application

In global.asax

protected void Application\_Start()

{

AreaRegistration.RegisterAllAreas();

**GlobalFilters.Filters.Add(new AuthorizeAttribute());**

}

But now, nothing will be accessible. So add

[AllowAnonymous]

Now , hide links from users

<ul class="nav navbar-nav">

<li>@Html.ActionLink("Home", "Index", "Home")</li>

<li>@Html.ActionLink("About", "About", "Home")</li>

<li>@Html.ActionLink("Contact", "Contact", "Home")</li>

**@if (User.Identity.IsAuthenticated)**

**{**

**<li>@Html.ActionLink("List Products", "Index", "Products")</li>**

**<li>@Html.ActionLink("List Suppliers", "Index", "Suppliers")</li>**

**<li>@Html.ActionLink("Add Product", "Create", "Products")</li>**

**}**

<li>@Html.ActionLink("Login", "Login", "Account")</li>

<li>@Html.ActionLink("Logout", "Logout", "Account")</li>

</ul>

