

C. QUẢN LÝ THÔNG TIN SÁCH

1. Thay đổi cấu trúc bảng Sach:

	Column Name	Data Type	Allow Nulls
PK	masach	int	<input type="checkbox"/>
	maloai	int	<input checked="" type="checkbox"/>
	tensach	nvarchar(100)	<input type="checkbox"/>
	hinh	varchar(50)	<input checked="" type="checkbox"/>
	giaban	decimal(18, 0)	<input checked="" type="checkbox"/>
	ngaycapnhat	smalldatetime	<input checked="" type="checkbox"/>
	soluongton	int	<input checked="" type="checkbox"/>
			<input type="checkbox"/>

Script:

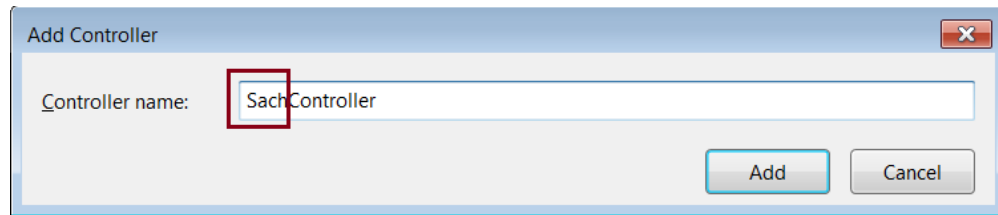
```
create database NhaSach
go
use NhaSach
go
create table TheLoai
(
    maloai int identity primary key,
    tenloai nvarchar(30)
)
go
create table Sach
(
    masach int identity(1,1) primary key,
    maloai int references TheLoai(maloai),
    tensach nvarchar(100) not null,
    hinh varchar(50),
    giaban decimal(18,0),
    ngaycapnhat smalldatetime,
    soluongton int
)
go
-----
insert into TheLoai(tenloai) values(N'Công nghệ thông tin')
insert into TheLoai(tenloai) values(N'Kinh tế')
insert into TheLoai(tenloai) values(N'Mỹ thuật')
select * from TheLoai
go
-----
insert into Sach(maloai,tensach,hinh,giaban,ngaycapnhat,soluongton) values(1,N'Lập
trình Java','/Content/images/book1.jpg',40000,'12/02/2022',20)
insert into Sach(maloai,tensach,hinh,giaban,ngaycapnhat,soluongton) values(2,N'Quản
trị kinh doanh quốc tế','/Content/images/book2.jpg',50000,'02/24/2022',20)
insert into Sach(maloai,tensach,hinh,giaban,ngaycapnhat,soluongton) values(3,N'Kỹ
thuật tô màu','/Content/images/book3.jpg',75000,'02/24/2022',20)
select * from Sach
```

Dữ liệu mẫu cho bảng Sach:

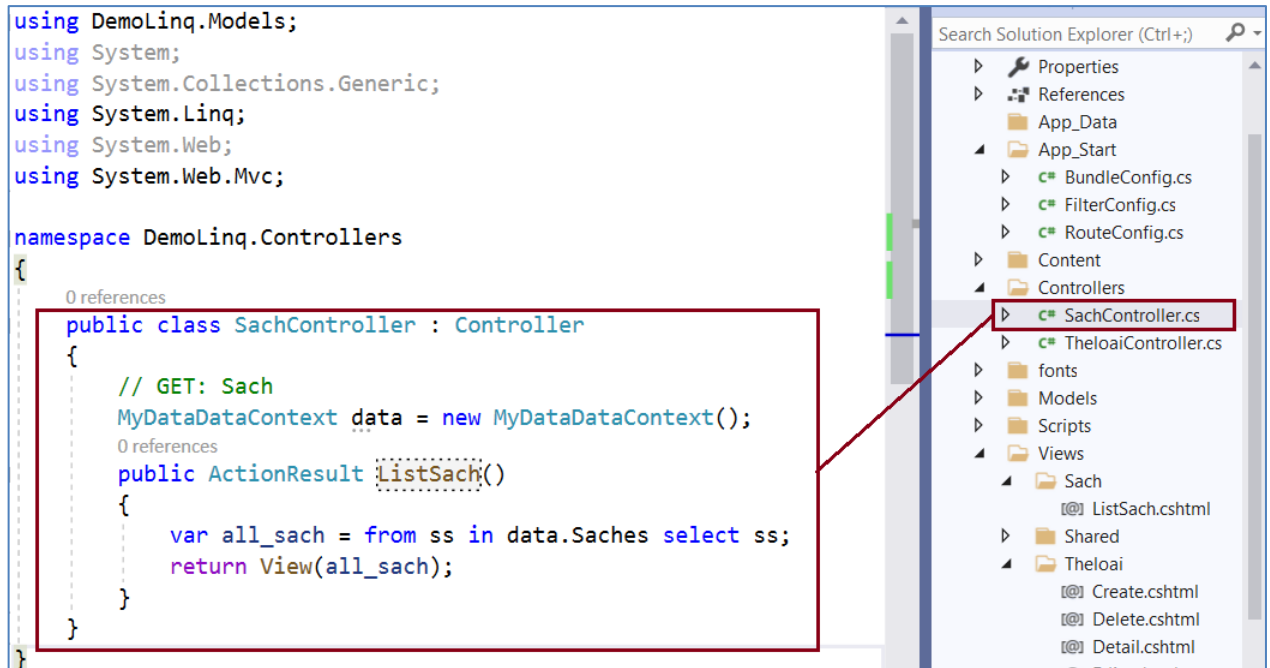
	masach	mal...	tensach	hinh	giaban	ngaycapnhat	soluongt...
1	6	2	ĐI TÌM LỄ SỐNG	/Content/images/book1.jpg	40000	2022-12-02 00:00:00	20
2	7	2	7 THỜI QUEN HIỆU QUẢ	/Content/images/book2.jpg	50000	2022-02-25 00:00:00	20
3	8	3	HẠT GIỐNG TÂM HỒN	/Content/images/book3.jpg	85000	2022-02-25 00:00:00	10
4	1005	1	KỸ THUẬT LẬP TRÌNH	/Content/images/book8.jpg	50000	2022-02-27 00:00:00	15

2. Tạo Controller: SachController

- Click phải vào Controllers → Add → Controller... → Đặt tên: SachController



- Thêm code vào file SachController.cs



- Layout trang ListSach.cshtml

```
@model IEnumerable<DemoLinq.Models.Sach>
@{
    ViewBag.Title = "ListSach";
    Layout = "~/Views/Shared/_Layout.cshtml";
}

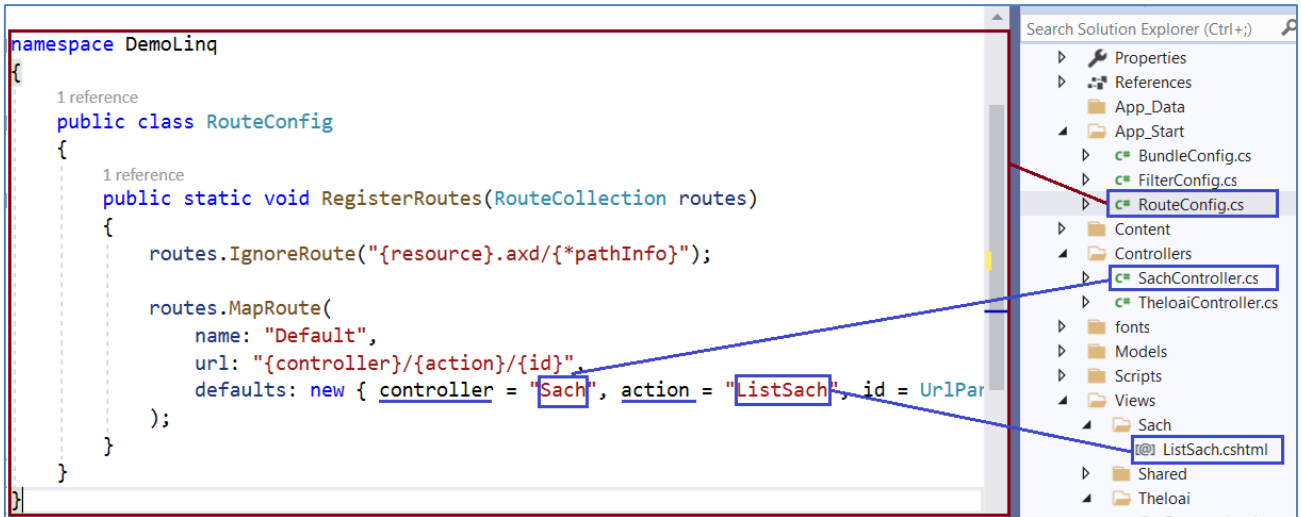
<h2>THÔNG TIN SÁCH</h2>
<p>
    @Html.ActionLink("Create New", "Create")
</p>
<table class="table">
    <tr>
        <th> Mã loại </th>
        <th> Tên sách</th>
        <th> Hình </th>
        <th> Giá bán</th>
        <th> Ngày cập nhật </th>
        <th> Số lượng tồn</th>
        <th></th>
    </tr>
    @foreach (var item in Model) {
        <tr>
            <td>@Html.DisplayFor(modelItem => item.maloai)</td>
            <td>@Html.DisplayFor(modelItem => item.tensach)</td>
            <td></td>
            <td>@Html.DisplayFor(modelItem => item.giaban)</td>
            <td>@Html.DisplayFor(modelItem => item.ngaycapnhat)</td>
```

```

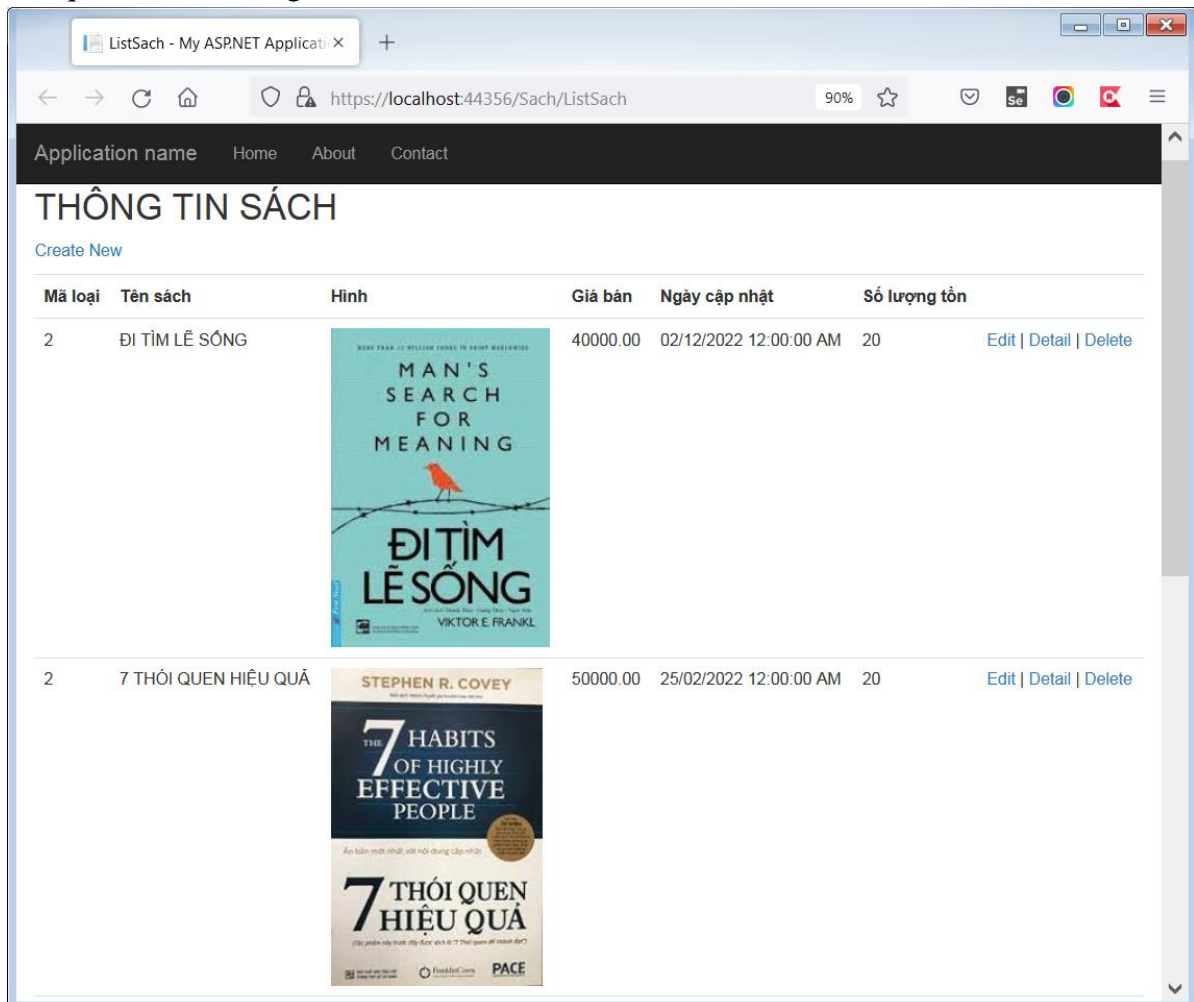
<td>@Html.DisplayFor(modelItem => item.soluongton)</td>
<td>
    @Html.ActionLink("Edit", "Edit", new { id=item.masach }) |
    @Html.ActionLink("Detail", "Detail", new { id=item.masach }) |
    @Html.ActionLink("Delete", "Delete", new { id=item.masach })
</td>
</tr>
</table>
}

```

- Thay đổi trang hiển thị mặc định trong **App_Start/RouteConfig.cs**



- Kết quả thực thi trang **ListSach.cshtml**



3. Code xử lý các chức năng Detail, Create, Edit, Delete

- Code các Action (*Detail, Create, Edit, Delete*) trong **SachController.cs**

```
using DemoLinq.Models;
using System;
using System.Collections.Generic;
using System.Linq;
using System.Web;
using System.Web.Mvc;

namespace DemoLinq.Controllers
{
    public class SachController : Controller
    {
        // GET: Sach
        MyDataDataContext data = new MyDataDataContext();
        public ActionResult ListSach()
        {
            var all_sach = from ss in data.Saches select ss;
            return View(all_sach);
        }
        public ActionResult Detail(int id)
        {
            var D_sach = data.Saches.Where(m => m.masach == id).First();
            return View(D_sach);
        }
        public ActionResult Create()
        {
            return View();
        }
        [HttpPost]
        public ActionResult Create(FormCollection collection, Sach s)
        {
            var E_tensach = collection["tensach"];
            var E_hinh = collection["hinh"];
            var E_giaban = Convert.ToDecimal(collection["giaban"]);
            var E_ngaycapnhat = Convert.ToDateTime(collection["ngaycapnhat"]);
            var E_soluongton = Convert.ToInt32(collection["soluongton"]);
            if (string.IsNullOrEmpty(E_tensach))
            {
                ViewData["Error"] = "Don't empty!";
            }
            else
            {
                s.tensach = E_tensach.ToString();
                s.hinh = E_hinh.ToString();
                s.giaban = E_giaban;
                s.ngaycapnhat = E_ngaycapnhat;
                s.soluongton = E_soluongton;
                data.Saches.InsertOnSubmit(s);
                data.SubmitChanges();
                return RedirectToAction("ListSach");
            }
            return this.Create();
        }
        public ActionResult Edit(int id)
        {
            var E_sach = data.Saches.First(m => m.masach == id);
            return View(E_sach);
        }
        [HttpPost]
        public ActionResult Edit(int id, FormCollection collection)
```

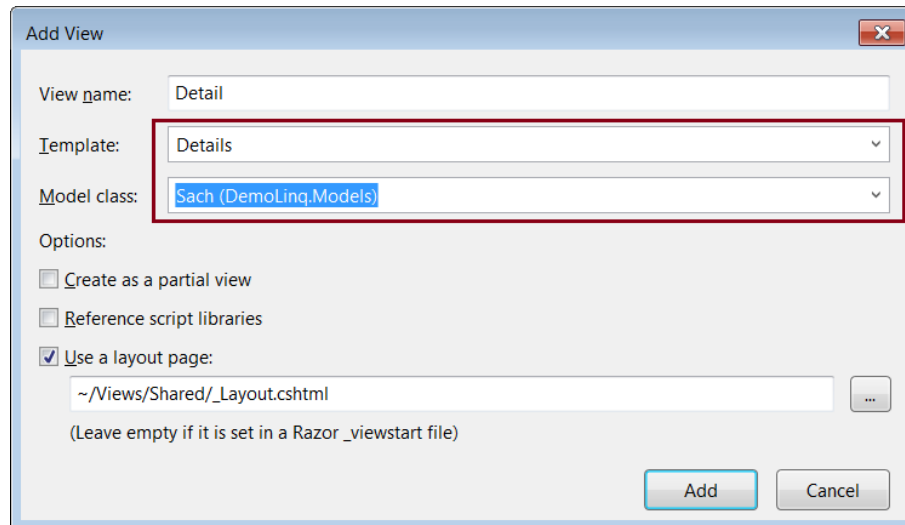
```

    {
        var E_sach = data.Saches.First(m => m.masach == id);
        var E_tensach = collection["tensach"];
        var E_hinh = collection["hinh"];
        var E_giaban = Convert.ToDecimal(collection["giaban"]);
        var E_ngaycapnhat = Convert.ToDateTime(collection["ngaycatnhat"]);
        var E_soluongton = Convert.ToInt32(collection["soluongton"]);
        E_sach.masach = id;
        if (string.IsNullOrEmpty(E_tensach))
        {
            ViewData["Error"] = "Don't empty!";
        }
        else
        {
            E_sach.tensach = E_tensach;
            E_sach.hinh = E_hinh;
            E_sach.giaban = E_giaban;
            E_sach.ngaycapnhat = E_ngaycapnhat;
            E_sach.soluongton = E_soluongton;
            UpdateModel(E_sach);
            data.SubmitChanges();
            return RedirectToAction("ListSach");
        }
        return this.Edit(id);
    }
    //-----
    public ActionResult Delete(int id)
    {
        var D_sach = data.Saches.First(m => m.masach == id);
        return View(D_sach);
    }
    [HttpPost]
    public ActionResult Delete(int id, FormCollection collection)
    {
        var D_sach = data.Saches.Where(m => m.masach == id).First();
        data.Saches.DeleteOnSubmit(D_sach);
        data.SubmitChanges();
        return RedirectToAction("ListSach");
    }
}
}

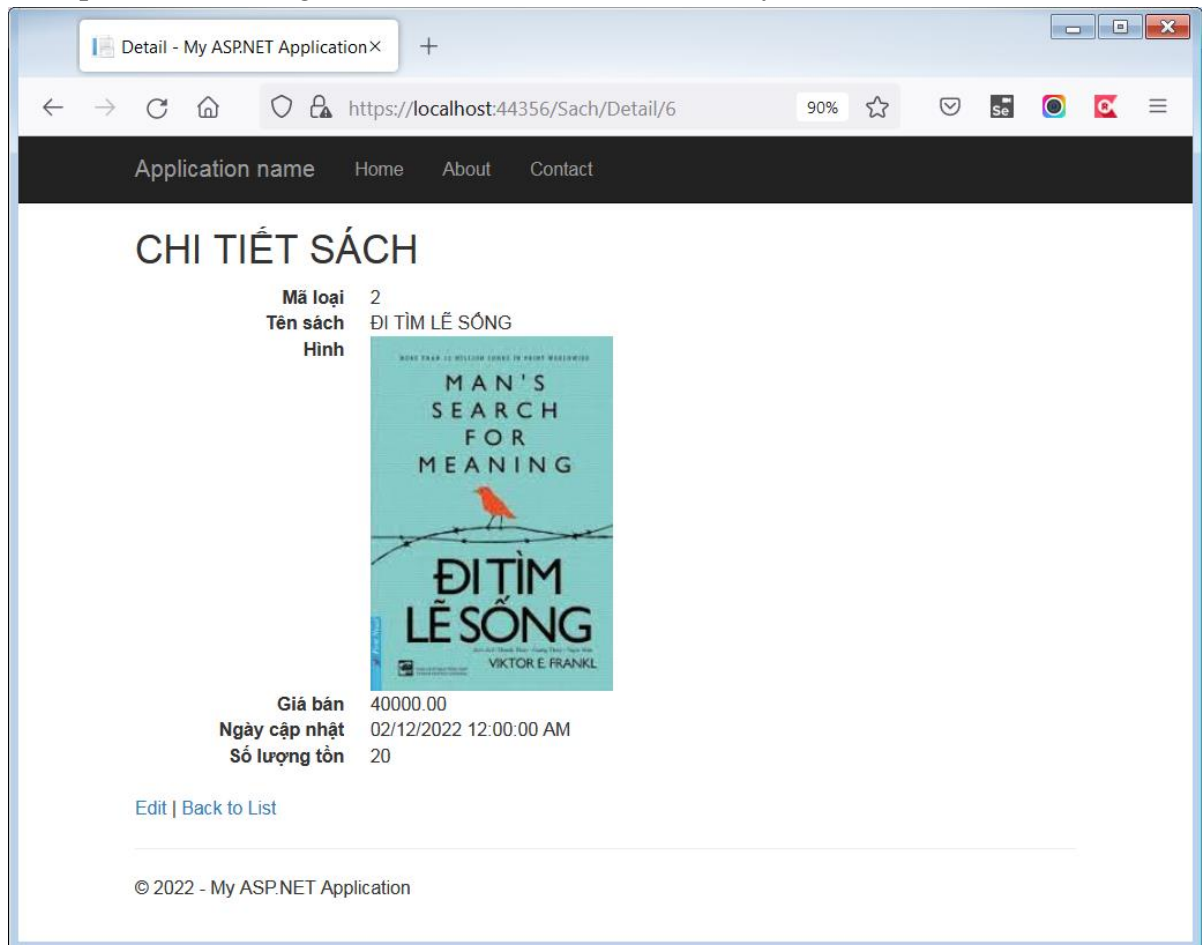
```

- Tạo trang **Detail.cshtml**

+ Click phải vào ActionResult Detail → Add View...

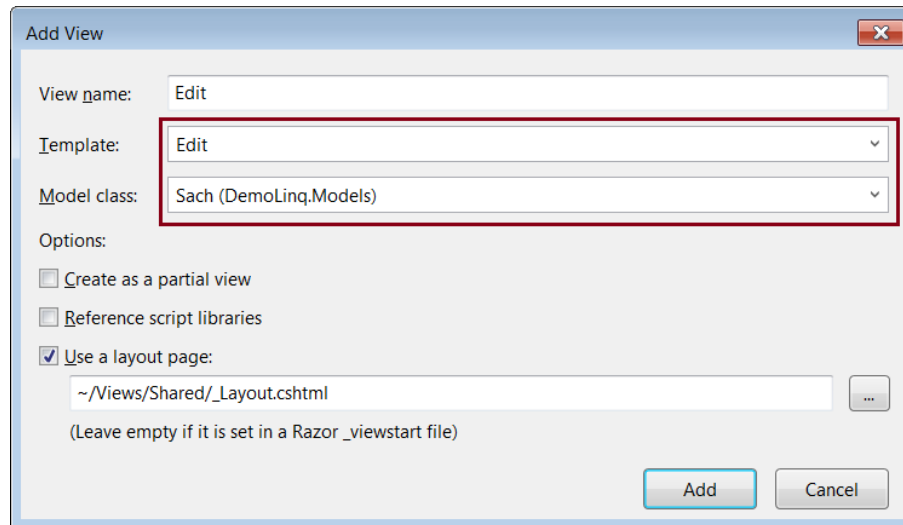


+ Kết quả hiển thị trang **Detail.cshtml** (có hiệu chỉnh layout)



- Tạo trang **Edit.cshtml**

+ Click phải vào ActionResult Edit → Add View...



+ Layout phần chọn và hiển thị hình ảnh:

```
<div class="form-group">
  <div class="col-md-10">
    <strong>Hình</strong>
    @Html.EditorFor(model=>model.hinh,new{htmlAttributes=new {@class="form-control"}})
    @Html.ValidationMessageFor(model => model.hinh, "", new { @class = "text-danger" })
    <input type="file" name="fileUpload" id="fileUpload" accept="image/*"
style="display:none;" />
    <input type="button" id="btnUpload" value="Chọn" class="btn btn-success" />
    
  </div>
</div>
@section upload
{
  <script>
    $(function () {
      $('#btnUpload').click(function () {
        $('#fileUpload').trigger('click');
      });
    });

    $('#fileUpload').change(function () {
      if (window.FormData !== undefined) {
        var fileUpload = $('#fileUpload').get(0);
        var files = fileUpload.files;
        var formData = new FormData();
        formData.append('file', files[0]);
        $.ajax(
          {
            type: 'POST',
            url: '/Sach/ProcessUpload',
            contentType: false,
            processData: false,
            data: formData,
            success: function (urlImage) {
              $('#pictureUpload').attr('src', urlImage);
              $('#hinh').val(urlImage);
            },
            error: function (err) {
              alert('Error ', err.statusText);
            }
          }
        );
      }
    });
  </script>
}
```

```

    });
}
</script>
}

```

+ Thêm đoạn code lấy đường dẫn hình và file SachController.cs

```

public string ProcessUpload(HttpPostedFileBase file)
{
    if (file == null)
    {
        return "";
    }

    file.SaveAs(Server.MapPath("~/Content/images/" + file.FileName));

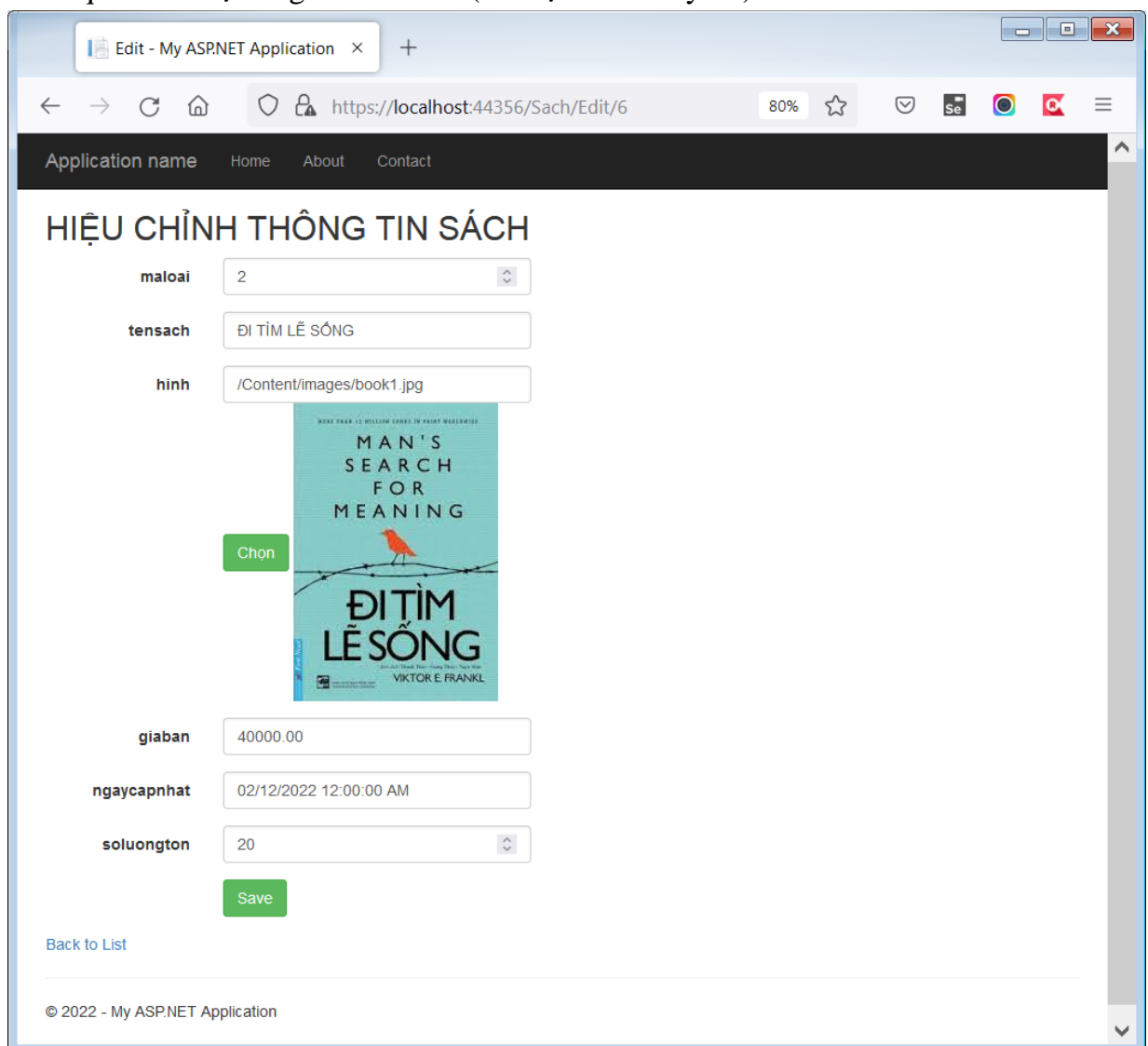
    return "~/Content/images/" + file.FileName;
}

```

+ Thêm dòng code sau vào file **_Layout.cshtml**

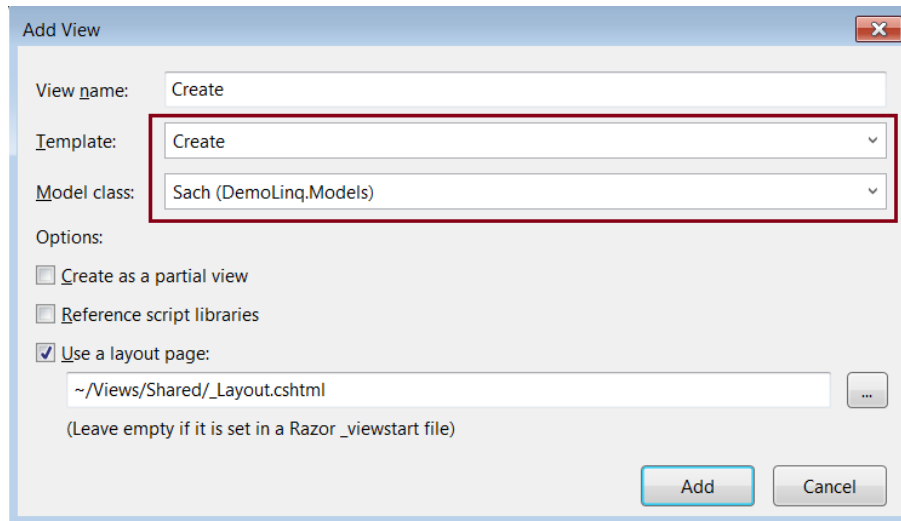
```
@RenderSection("upload", required: false)
```

+ Kết quả hiển thị trang Edit.cshtml (có hiệu chỉnh layout)

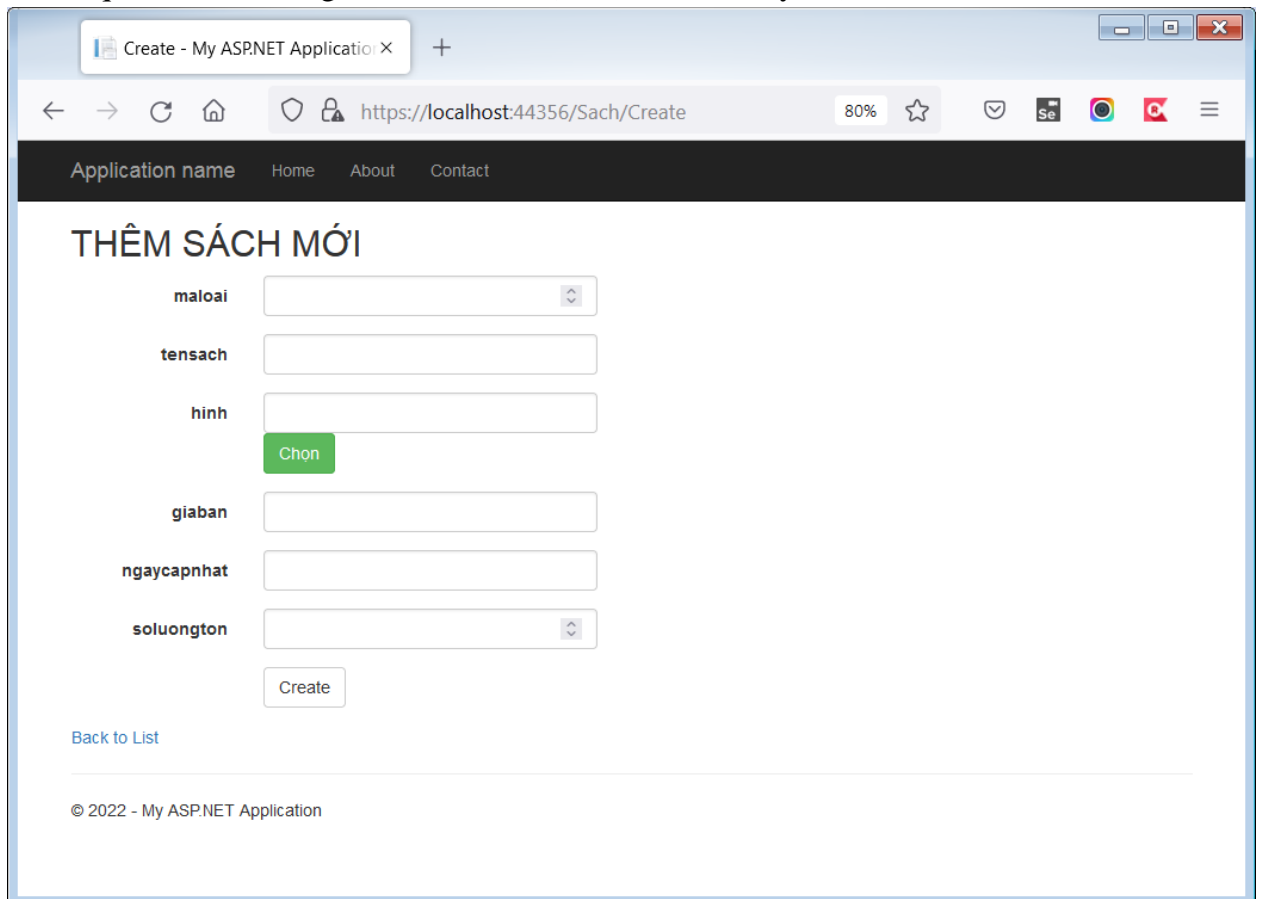


- Tạo trang **Create.cshtml**

+ Click phải vào ActionResult Create → Add View...

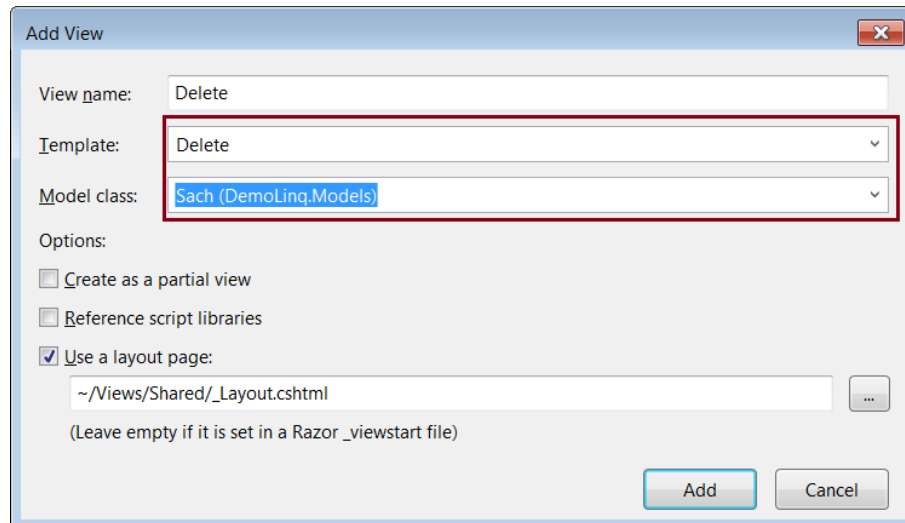


+ Kết quả hiển thị trang Create.cshtml (có hiệu chỉnh layout)



- Tạo trang **Delete.cshtml**

+ Click phải vào ActionResult Delete → Add View...



View name: Delete

Template: Delete

Model class: Sach (DemoLing.Models)

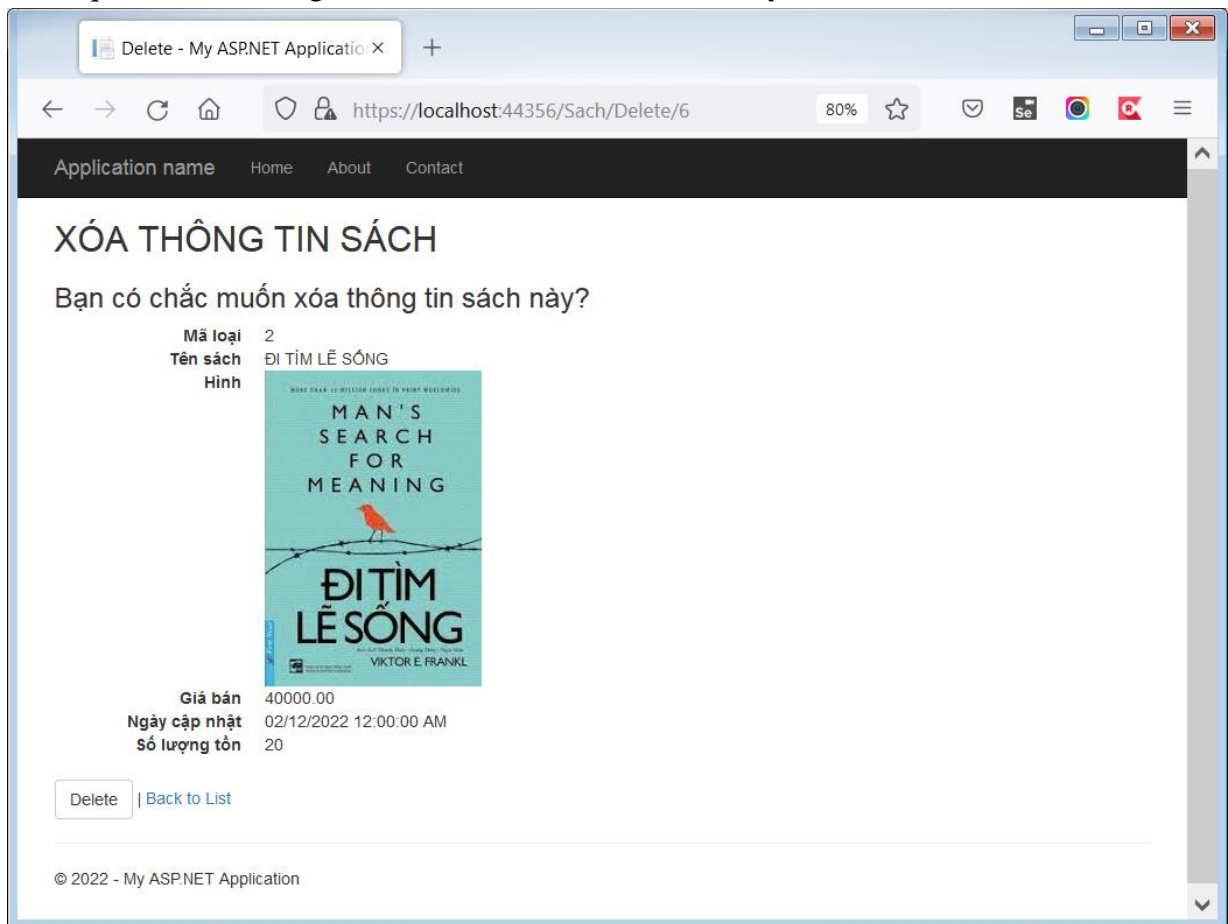
Options:

- ☐ Create as a partial view
- ☐ Reference script libraries
- ☒ Use a layout page: ~/Views/Shared/_Layout.cshtml

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

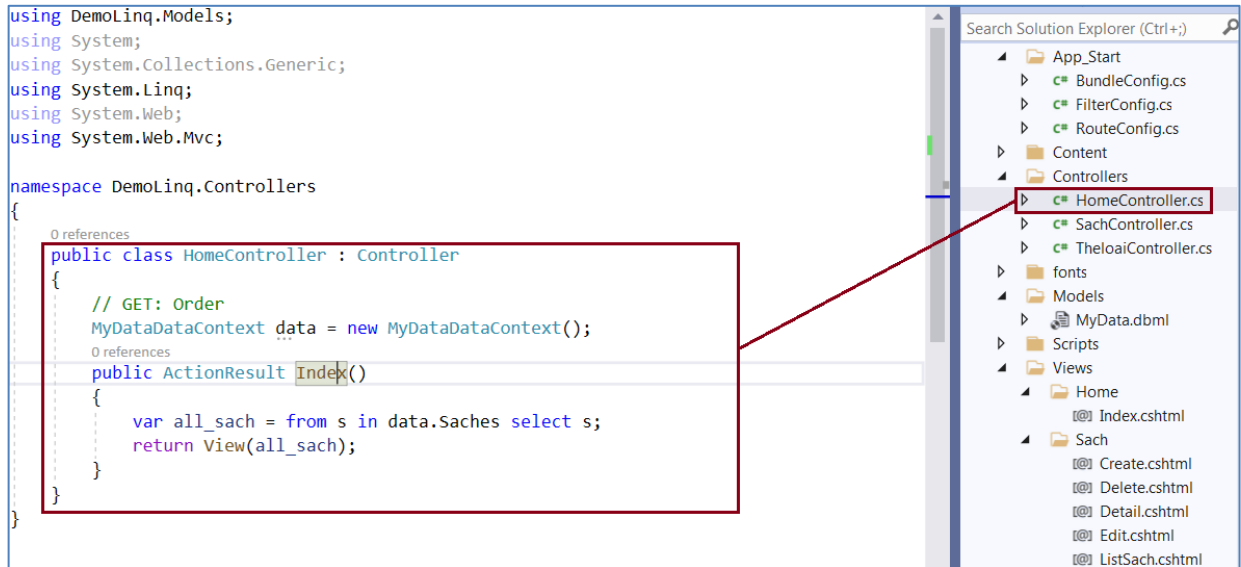
Add Cancel

+ Kết quả hiển thị trang Delete.cshtml (có hiệu chỉnh layout)



D. TRANG CHỦ - HUTECH SÁCH

1. Tạo Controllers/HomeController.cs

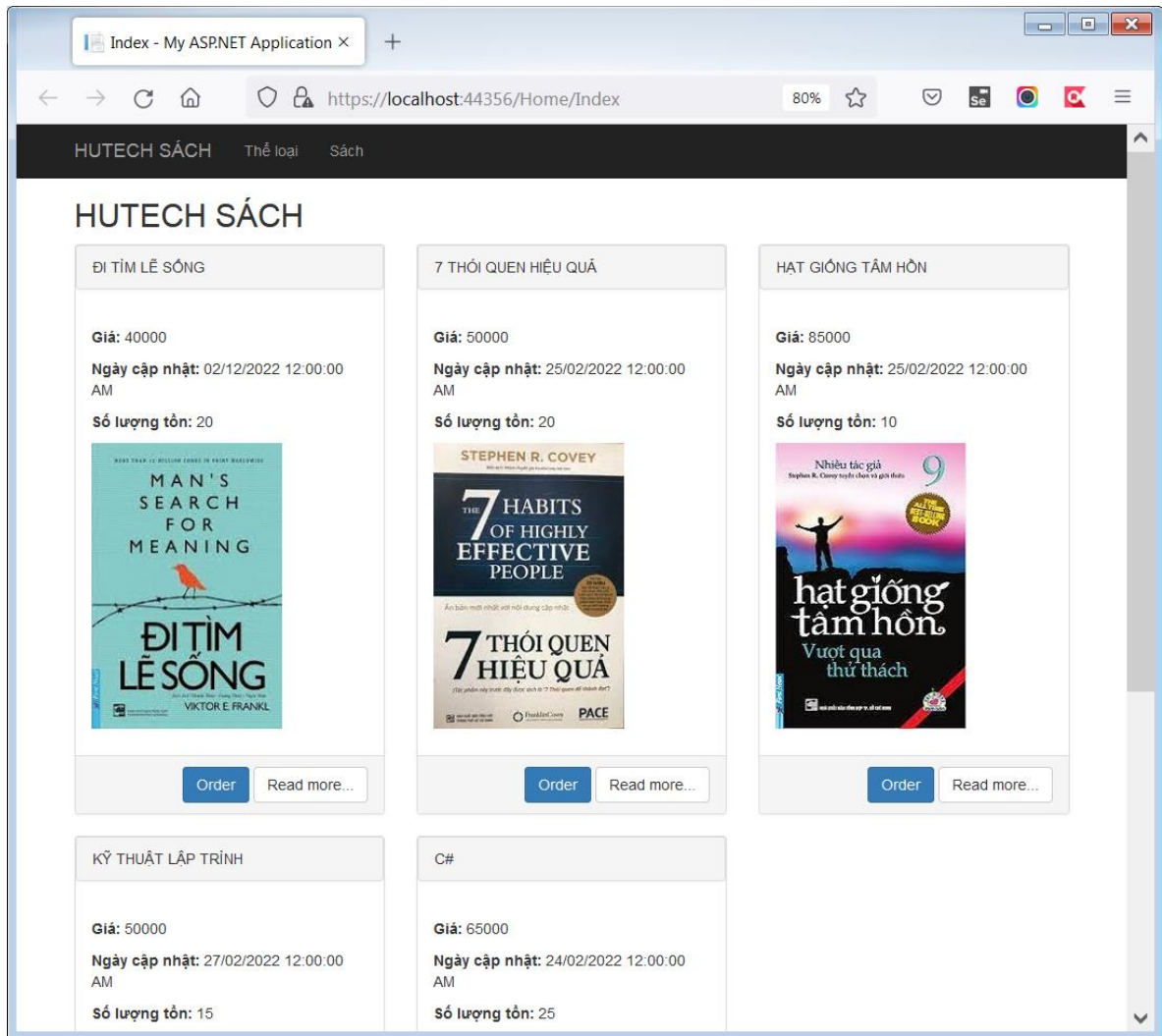


2. Tạo trang Home/Index.cshtml

```
@model IEnumerable<DemoLinq.Models.Sach>
@{
    ViewBag.Title = "Index";
    Layout = "~/Views/Shared/_Layout.cshtml";
}

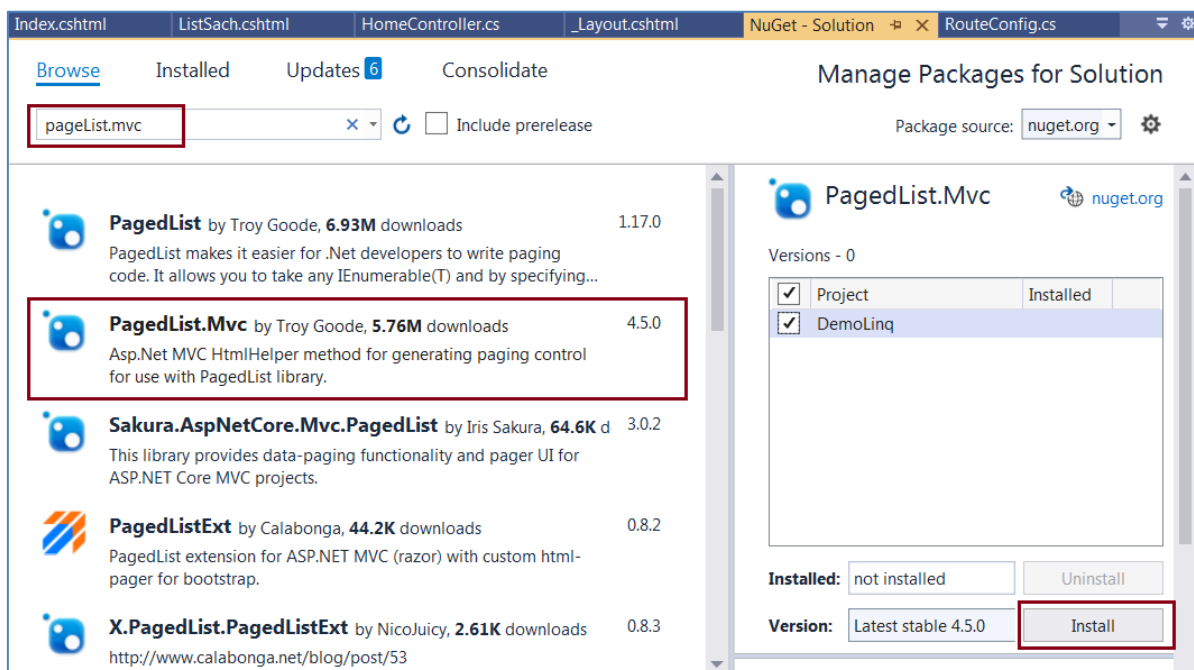
<h2>HUTECH SÁCH</h2>
<div class="row">
    @foreach (var item in Model)
    {
        <div class="col-lg-4 col-md-4 col-sm-6 col-xs-12">
            <div class="panel panel-default">
                <div class="panel panel-heading">
                    @item.tensach
                </div>
                <div class="panel-body">
                    <p><strong>Giá: </strong>@item.giaban</p>
                    <p><strong>Ngày cập nhật: </strong>@item.ngaycapnhat</p>
                    <p><strong>Số lượng tồn: </strong>@item.soluongton</p>
                    <p></p>
                </div>
                <div class="panel-footer clearfix">
                    <div class="pull-right">
                        <a href="#" class="btn btn-primary">Order</a>
                        @Html.ActionLink("Read more...", "Detail", new { id =
item.masach }, new { @class = "btn btn-default" })
                    </div>
                </div>
            </div>
        </div>
    }
</div>
```

3. Kết quả thực thi trang Home/Index.cshtml

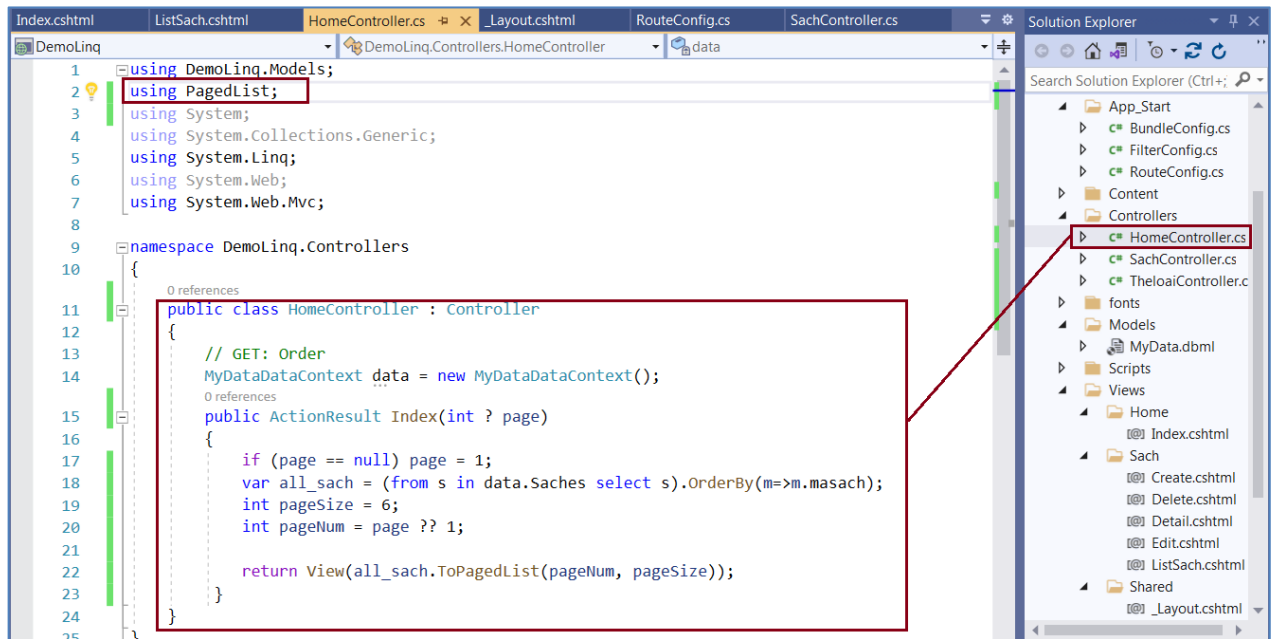


4. Phân trang cho trang Home/Index.cshtml

- Cài đặt PagedList.Mvc: Tools / NuGet Package Manager / Manager NuGet Manager for Solution...



- Code trong file Controllers/HomeController.cs



- Script:

```

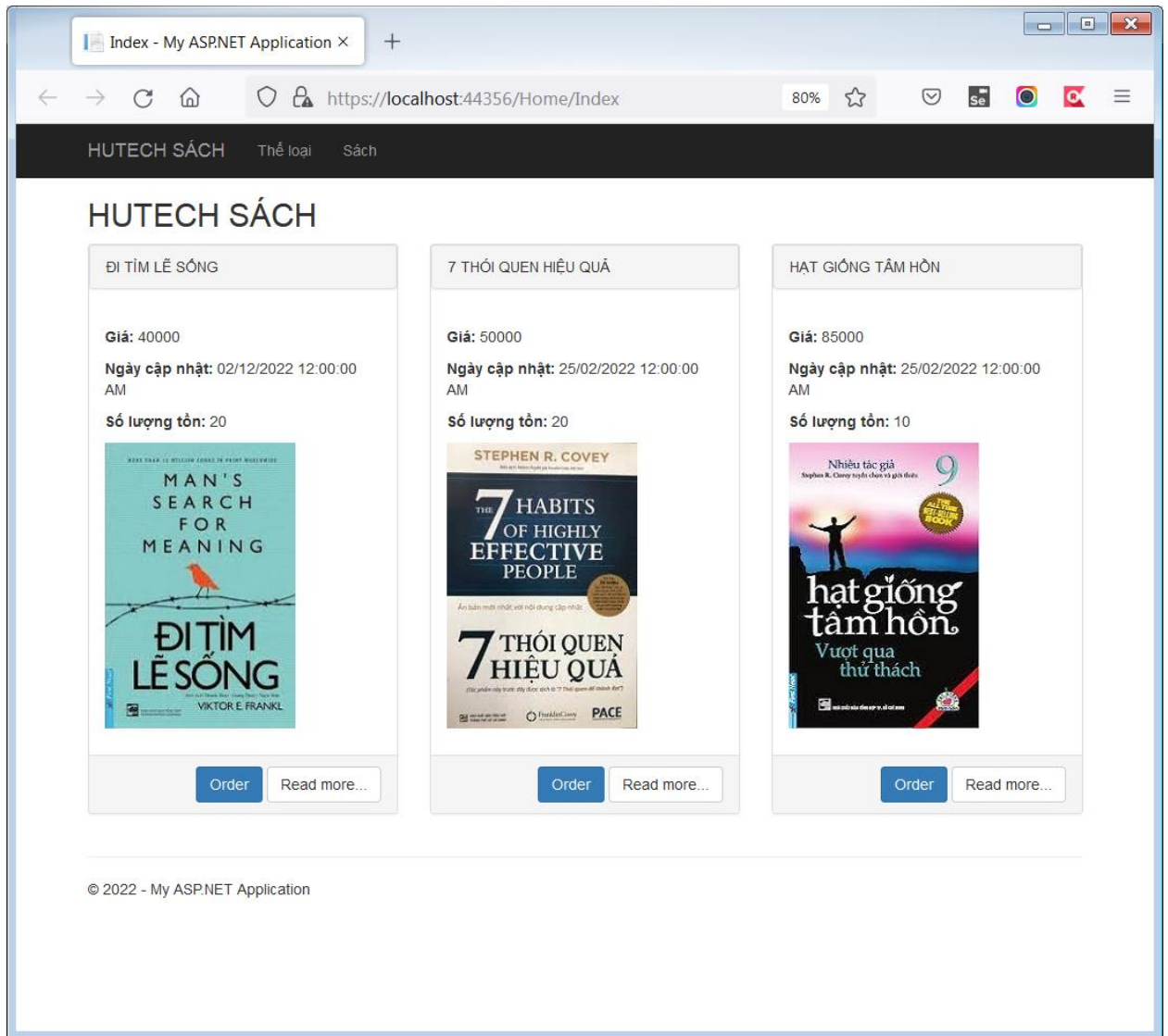
using DemoLinq.Models;
using PagedList;
using System;
using System.Collections.Generic;
using System.Linq;
using System.Web;
using System.Web.Mvc;

namespace DemoLinq.Controllers
{
    public class HomeController : Controller
    {
        // GET: Order
        MyDataDataContext data = new MyDataDataContext();
        public ActionResult Index(int ? page)
        {
            if (page == null) page = 1;
            var all_sach = (from s in data.Saches select s).OrderBy(m=>m.masach);
            int pageSize = 3;
            int pageNum = page ?? 1;

            return View(all_sach.ToPagedList(pageNum, pageSize));
        }
    }
}

```

- Kết quả thực hiện sau khi phân trang:



- Tạo thanh chuyển trang trong Home/Index.cshtml

```
@model PagedList.IPagedList<DemoLinq.Models.Sach>
@using PagedList.Mvc;

@{
    ViewBag.Title = "Index";
    Layout = "~/Views/Shared/_Layout.cshtml";
}

<h2>HUTECH SÁCH</h2>
<div class="row">
    @foreach (var item in Model)
    {
        <div class="col-lg-4 col-md-4 col-sm-6 col-xs-12">
            <div class="panel panel-default">
                <div class="panel panel-heading">
                    @item.tensach
                </div>
                <div class="panel-body">
                    <p><strong>Giá: </strong>@item.giaban</p>
                    <p><strong>Ngày cập nhật: </strong>@item.ngaycapnhat</p>
                    <p><strong>Số lượng tồn: </strong>@item.soluongton</p>
                    <p></p>
                </div>
            </div>
        </div>
    }
</div>
```

```

        </div>
        <div class="panel-footer clearfix">
            <div class="pull-right">
                <a href="#" class="btn btn-primary">Order</a>
                @Html.ActionLink("Read more...", "Detail", new { id =
item.masach }, new { @class = "btn btn-default" })
            </div>
        </div>
    </div>
</div>
}
</div>
</div>
<div>
    <div>
        Trang @(Model.PageCount < Model.PageNumber ? 0 : Model.PageNumber) /
        @Model.PageCount
    </div>

    <div class="MenuTrang">
        @Html.PagedListPager(Model, page => Url.Action("Index", new { page = page
}))
    </div>
</div>

<style>
    .MenuTrang li {
        display: inline;
    }
</style>

<style type="text/css">
    #mau-nut a {
        clear: both;
        background-color: orange;
        color: snow;
    }

    #mau-nut a:hover {
        background-color: darkcyan;
        color: snow;
    }
</style>

<script src="https://code.jquery.com/jquery-3.5.1.min.js"></script>
<script>
    $(document).ready(function () {
        var maxLength = 100;
        $(".show-read-more").each(function () {
            var myStr = $(this).text();
            if ($.trim(myStr).length > maxLength) {
                var newStr = myStr.substring(0, maxLength);
                var removedStr = myStr.substring(maxLength, $.trim(myStr).length);
                $(this).empty().html(newStr);
                $(this).append(' <a href="javascript:void(0);" class="read-
more">đọc tiếp...</a>');
                $(this).append(' <span class="more-text">' + removedStr +
'</span>');
            }
        });
        $(".read-more").click(function () {
            $(this).siblings(".more-text").contents().unwrap();

```

```

        $(this).remove();
    });
});
</script>
<style>
    .show-read-more .more-text {
        display: none;
    }
</style>

```

- Kết quả thực hiện trang Home/Index.cshtml

