# BÀI THỰC HÀNH 1: HƯỚNG DẪN TẠO PROJECT VÀ THIẾT KẾ GIAO DIỆN NGƯỜI DÙNG

# HƯỚNG DẪN TẠO PROJECT

Clone Respository từ Github, ví dụ PTUDW

#### Tao mói Project

Khởi động Visual Studio 2019 - New Project

Language: C# Search: MVC

☐ Place solution and Project in the same directory (*Tao mới Folder trong Folder PTUDW*)

**☑** MVC

☑ Configure for HTTPs

Ví dụ: Project name = **Thoitrang** 

# Cấu hình file RouteConfig.cs

Controller = "Site"
Action = "Index"

#### Tao Controller

Controller - R\_Click - Add

**MVC** 

MVC 5 Controller Empty

Name: Site Controller (Luu ý phải có Controller ở cuối)



# Chạy thử



Nguyên nhân: chưa có tập tin Index (View)

#### Tạo View: Layout View = những nội dung được lặp đi lặp lại ở các trang

### R\_Click View – Add Folder – Shared (N\u00e9u chua c\u00f3)

R click Shared - New Item

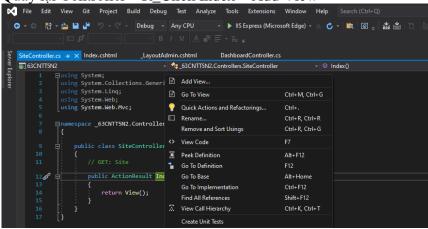
Installed – Visual C# - Web – Razor – Layout Page (Razor 3)

Name: \_LayoutSite.cshtml (trang người dùng # trang admin)

```
@RenderSection("head", required: false)
</head>
<body>
     @RenderBody()
</body>
</html>
```

#### Add Index.cshtml từ Site Controller

Quay lai Controller – R\_Click Index – Add View



```
MVC 5 View
```

Name = Index

Template = Empty (without model)

☑ Use layout view = View – Shared - \_LayoutStie.cshtml

Add

```
✓ Views
✓ Shared
+ [@] _LayoutSite.cshtml
✓ Site
+ [@] Index.cshtml
```

```
O{
    ViewBag.Title = "Index";
    Layout = "~/Views/Shared/_LayoutSite.cshtml";
}
```

<h2>Index</h2>

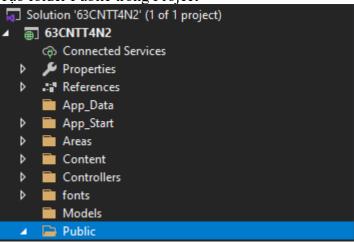
#### Run Website



Sao chép nội dung Index.html trong aroma template cho Index.cshtml. Trong file index này có các đoạn css, script và hình ảnh nên chúng ta cần thiết lập đường dẫn cho chúng bằng cách chuyển tất cả các folder sang Public. Cụ thể:

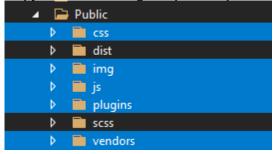
#### **BOOTSTRAP**

Tao folder Public trong Project



Lưu ý: không tạo folder publics bên trong folder Content có sẵn (mặc định của Bootstrap) nên khi gỡ Bootstrap thì đồng nghĩa với việc các css cũng bị mất.

Copy các folder trong sample\_template\_aroma\aroma cho Public (bao gồm css, js, ...)



Tao StyleSheet

\_LayoutSite.css trong folder css

Mục đích: để lưu trữ các css không có sẵn hoặc các thiết kế riêng của người dùng

# THIẾT KẾ TRANG INDEX DỦA VÀO INDEX CỦA AROMA TEMPLATE

Sao chép phần bootstrap của Index sang cho **\_LAYOUTSITE**, chỉnh sửa đường dẫn đến thư mục chứa Bootstrap

Add bootstrap cho LayoutView (dành cho User là khách hàng)

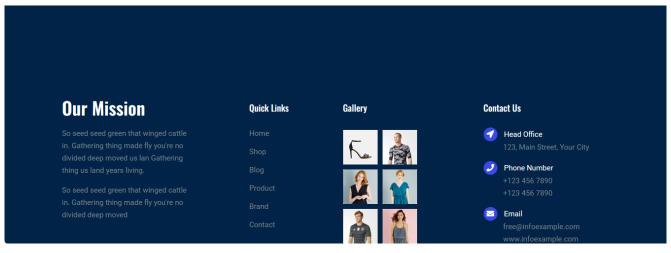
```
Khai báo thư viện bootstrap
<head>
    <title>@Page.Title</title>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <meta http-equiv="X-UA-Compatible" content="ie=edge">
    <title>Aroma Shop - Home</title>
    <link rel="icon" href="~/Public/img/Fevicon.png" type="image/png">
    <link rel="stylesheet" href="~/Public/vendors/bootstrap/bootstrap.min.css">
    <link rel="stylesheet" href="~/Public/vendors/fontawesome/css/all.min.css">
    <link rel="stylesheet" href="~/Public/vendors/themify-icons/themify-icons.css">
    <link rel="stylesheet" href="~/Public/vendors/nice-select/nice-select.css">
    <link rel="stylesheet" href="~/Public/vendors/owl-carousel/owl.theme.default.min.css">
    <link rel="stylesheet" href="~/Public/vendors/owl-carousel/owl.carousel.min.css">
    <link rel="stylesheet" href="~/Public/css/style.css">
    @RenderSection("header", required: false)
</head>
<body>
@RenderBody()
    <script src="Public/vendors/jquery/jquery-3.2.1.min.js"></script>
    <script src="Public/vendors/bootstrap/bootstrap.bundle.min.js"></script>
    <script src="Public/vendors/skrollr.min.js"></script>
    <script src="Public/vendors/owl-carousel/owl.carousel.min.js"></script>
    <script src="Public/vendors/nice-select/jquery.nice-select.min.js"></script>
    <script src="Public/vendors/jquery.ajaxchimp.min.js"></script>
    <script src="Public/vendors/mail-script.js"></script>
    <script src="Public/js/main.js"></script>
</body>
</html>
```

# THIẾT KẾ HEADER

```
Q 🚅
       🗦 Aroma
                                              Contact
                                                                    Buv Now
                         Home
                              Shop
                                   Bloa
<!DOCTYPE html>
<html>
<head>
   <title>@Page.Title</title>
   <meta charset="UTF-8">
   <meta name="viewport" content="width=device-width, initial-scale=1.0">
   <meta http-equiv="X-UA-Compatible" content="ie=edge">
   <title>Aroma Shop - Home</title>
   <link rel="icon" href="Public/img/Fevicon.png" type="image/png">
   <link rel="stylesheet" href="Public/vendors/bootstrap/bootstrap.min.css">
   <link rel="stylesheet" href="Public/vendors/fontawesome/css/all.min.css">
   <link rel="stylesheet" href="Public/vendors/themify-icons.css">
   <link rel="stylesheet" href="Public/vendors/nice-select/nice-select.css">
   <link rel="stylesheet" href="Public/vendors/owl-carousel/owl.theme.default.min.css">
   <link rel="stylesheet" href="Public/vendors/owl-carousel/owl.carousel.min.css">
   <link rel="stylesheet" href="Public/css/style.css">
   @RenderSection("header", required: false)
</head>
<body>
<!--========= Start Header Menu Area ==========>>
<header class="header area">
 <div class="main menu">
   <nav class="navbar navbar-expand-lg navbar-light">
     <div class="container">
       <a class="navbar-brand logo_h" href="index.html"><img src="~/Public/img/logo.png"</pre>
       <button class="navbar-toggler" type="button" data-toggle="collapse" data-</pre>
        target="#navbarSupportedContent" aria-controls="navbarSupportedContent" aria-
        expanded="false" aria-label="Toggle navigation">
          <span class="icon-bar"></span>
          <span class="icon-bar"></span>
          <span class="icon-bar"></span>
       </button>
       <div class="collapse navbar-collapse offset" id="navbarSupportedContent">
         <a class="nav-link" href="index.html">Home</a>
            <a href="#" class="nav-link dropdown-toggle" data-toggle="dropdown"</pre>
                role="button" aria-haspopup="true"aria-expanded="false">Shop</a>
                <a class="nav-link" href="category.html">Shop
                                                            Category</a>
                  <a class="nav-link" href="single-</pre>
                                                         product.html">Product
                                                         Details</a>
                  <a class="nav-link" href="checkout.html">Product
                                                                   Checkout</a>
                  <a class="nav-link"</pre>
                                          href="confirmation.html">Confirmation</a>
                  <a class="nav-link" href="cart.html">Shopping
                                                                       Cart</a>
               <a href="#" class="nav-link dropdown-toggle" data-toggle="dropdown"</pre>
                  role="button" aria-haspopup="true"aria-expanded="false">Blog</a>
```

```
<a class="nav-link" href="blog.html">Blog</a>
                 <a class="nav-link" href="single-blog.html">Blog
                                                           Details</a>
                <a href="#" class="nav-link dropdown-toggle" data-toggle="dropdown"</pre>
                      role="button" aria-haspopup="true"aria-expanded="false">Pages</a>
               <a class="nav-link"</pre>
                                               href="login.html">Login</a>
                 <a class="nav-link"</pre>
                                          href="register.html">Register</a>
                 <a class="nav-link" href="tracking-</pre>
                                                order.html">Tracking</a>
               <a class="nav-link"href="contact.html">Contact</a>
            <button><i class="ti-search"></i></button>
             <button><i class="ti-shopping-cart"></i><span</pre>
                class="nav-shop__circle">3</span></button> 
             <a class="button button-header" href="#">Buy
                                                      Now</a>
            </div>
          </div>
        </nav>
      </div>
   </header>
   @RenderBody()
 <script src="Public/vendors/jquery/jquery-3.2.1.min.js"></script>
 <script src="Public/vendors/bootstrap/bootstrap.bundle.min.js"></script>
 <script src="Public/vendors/skrollr.min.js"></script>
 <script src="Public/vendors/owl-carousel/owl.carousel.min.js"></script>
 <script src="Public/vendors/nice-select/jquery.nice-select.min.js"></script>
 <script src="Public/vendors/jquery.ajaxchimp.min.js"></script>
 <script src="Public/vendors/mail-script.js"></script>
 <script src="Public/js/main.js"></script>
</body>
/html>
```

# THIẾT KẾ FOOTER



```
<!DOCTYPE html>
<html>
<head>
   <title>@Page.Title</title>
   <meta charset="UTF-8">
   <meta name="viewport" content="width=device-width, initial-scale=1.0">
   <meta http-equiv="X-UA-Compatible" content="ie=edge">
   <title>Aroma Shop - Home</title>
   <link rel="icon" href="Public/img/Fevicon.png" type="image/png">
   <link rel="stylesheet" href="Public/vendors/bootstrap/bootstrap.min.css">
   <link rel="stylesheet" href="Public/vendors/fontawesome/css/all.min.css">
   <link rel="stylesheet" href="Public/vendors/themify-icons/themify-icons.css">
   <link rel="stylesheet" href="Public/vendors/nice-select/nice-select.css">
   <link rel="stylesheet" href="Public/vendors/owl-carousel/owl.theme.default.min.css">
   <link rel="stylesheet" href="Public/vendors/owl-carousel/owl.carousel.min.css">
   <link rel="stylesheet" href="Public/css/style.css">
   @RenderSection("header", required: false)
</head>
<body>
<!--======== Start Header Menu Area =========-->
<!--======== Start footer Area =========>>
<footer class="footer">
  <div class="footer-area">
   <div class="container">
     <div class="row section gap">
        <div class="col-lg-3 col-md-6 col-sm-6">
          <div class="single-footer-widget tp widgets">
             <h4 class="footer_title large_title">Our Mission</h4>
              So seed seed green that winged cattle in. Gathering thing made fly you're
                   no divided deep moved us lan Gathering thing us land years living.
              So seed seed green that winged cattle in. Gathering thing made fly you're
                   no divided deep moved
               </div>
        </div>
        <div class="offset-lg-1 col-lg-2 col-md-6 col-sm-6">
          <div class="single-footer-widget tp_widgets">
            <h4 class="footer_title">Quick Links</h4>
```

```
<a href="#">Home</a>
           <a href="#">Shop</a>
           <a href="#">Blog</a>
           <a href="#">Product</a>
           <a href="#">Brand</a>
           <a href="#">Contact</a>
       </div>
   </div>
 <div class="col-lg-2 col-md-6 col-sm-6">
 <div class="single-footer-widget instafeed">
 <h4 class="footer title">Gallery</h4>
 <img src="~/Public/img/gallery/r1.jpg" alt="">
   <img src="~/Public/img/gallery/r2.jpg"</li>
                                      ' alt="">
                                      ' alt="">
   <img src="~/Public/img/gallery/r3.jpg"</li>
   <img src="~/Public/img/gallery/r5.jpg" alt="">
   <img src="~/Public/img/gallery/r7.jpg" alt="">
   <img src="~/Public/img/gallery/r8.jpg" alt="">
 </div>
</div>
<div class="offset-lg-1 col-lg-3 col-md-6 col-sm-6">
 <div class="single-footer-widget tp_widgets">
   <h4 class="footer_title">Contact Us</h4>
   <div class="ml-40">
   <span class="fa fa-location-arrow"></span>Head Office
   >123, Main Street, Your City
    <span class="fa fa-phone"></span>Phone Number
   >
     +123 456 7890 <br>
     +123 456 7890
   <span class="fa fa-envelope"></span>Email
   >
     free@infoexample.com <br>
     www.infoexample.com
   </div>
</div>
</div>
</div>
</div>
</div>
<div class="footer-bottom">
 <div class="container">
   <div class="row d-flex">
     <!-- Link back to Colorlib can't be removed. Template is licensed under CC BY 3.0. -->
     Copyright ©
     <script>document.write(new Date().getFullYear());</script> All rights reserved | This
            template is made with <i class="fa fa-heart" aria-hidden="true"></i> by <a
            href="https://colorlib.com" target="_blank">Colorlib</a>
     <!-- Link back to Colorlib can't be removed. Template is licensed under CC BY 3.0. -->
     </div>
 </div>
 </div>
</footer>
   <script src="Public/vendors/jquery/jquery-3.2.1.min.js"></script>
   <script src="Public/vendors/bootstrap/bootstrap.bundle.min.js"></script>
   <script src="Public/vendors/skrollr.min.js"></script>
```

# BÀI THỰC HÀNH 1+1: HƯỚNG DẪN THIẾT KẾ GIAO DIỆN ADMIN

# **TẠO VÙNG ADMIN**

#### Tao Areas

Add Folder: Areas

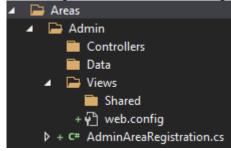
# Tạo Admin Area:

R\_click Areas (folder) - Add - Areas

Common - MVC - Areas - MVC 5 Area - Add

Name: Admin

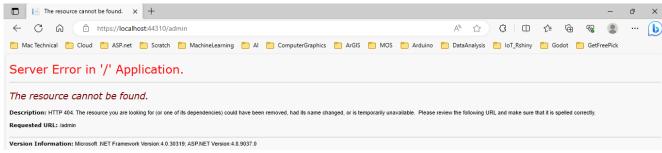
Một vùng MVC thu nhỏ bên trong Areas (Controller, Data, Views = Shared+ webconfig..)



Mục đích: khi ra ngoài web gỗ địa chỉ: /admin thì trang web hiển thị nội dung trang views admin tương ứng với controller admin.

Có thể thấy được điều này thông qua tập tin: AdminAreasRegistration.cs using System.Web.Mvc;

```
namespace ThoiTrang.Areas.Admin
{
   public class AdminAreaRegistration : AreaRegistration
   {
      public override string AreaName
      {
            get
            {
                return "Admin";
            }
      }
}
```



# Khai báo Controller = "Dashboard" trong AdminAreasRegistration.cs

```
public override void RegisterArea(AreaRegistrationContext context)
{
      context.MapRoute(
         "Admin_default",
         "Admin/{controller}/{action}/{id}",
}
```

```
new {Controller = "Dashboard"1, action= "Index", id = UrlParameter. Optional }
     );
   }
 }
Tao controller cho Admin = DashboardController.cs
R_Click Areas\Admin
Add: Controller
MVC 5 Controller - Empty
Add
Name: DashboardController.cs
    Areas
   Admin
      Controllers
        > + C# DashboardController.cs
using System;
using System.Collections.Generic;
using System.Linq;
using System.Web;
using System.Web.Mvc;
namespace ThoiTrang.Areas.Admin.Controllers
    public class DashboardController : Controller
        // GET: Admin/Dashboard
        public ActionResult Index()
            return View();
        }
```

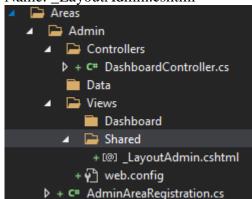
Hiện nay chưa thể thực hiện trang admin: <a href="https://localhost:44310/admin">https://localhost:44310/admin</a>. Vì còn thiếu trang Index Trang Admin là Index (VIEW) chưa tồn tại cần tạo ra thì mới có thể thực thi được. Thay vì tạo trang Admin bằng tay thì ta dùng template admin sẵn có:

### TAO LAYOUTADMIN

}

R\_click Areas\Admin\View\Shared - Add - New Item Iinstalled - Visual C# - Web - Razor - Layout Page (Razor 3)

Name: \_LayoutAdmin.cshtml



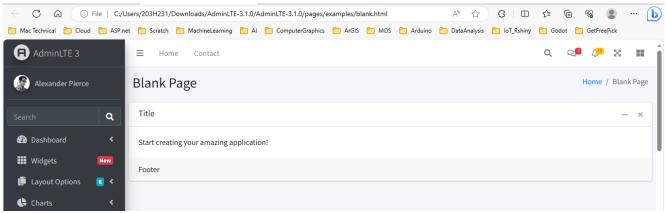
<sup>&</sup>lt;sup>1</sup> Đặt thêm tên cho controller

# Tải giao diện mẫu: adminite.io

Tải source.zip

Unzip

Truy cập đến folder: Downloads\AdminLTE-3.1.0\AdminLTE-3.1.0\pages\examples



#### Open code blank.html

Nhìn sơ qua phần khai báo header của trang index, cần bổ sung các css, js như sau:

Sao chép folder dist và plugins của AdminLTE đến folder Publics



Sau đó chỉnh sửa đường dẫn đến các folder chứa thư mục dist và plugin

```
<!DOCTYPE html>
<html>
  <head>
    <title>@ViewBag.Title</title>
    <meta name="viewport" content="width=device-width, initial-scale=1">
    <!-- Google Font: Source Sans Pro -->
    <link rel="stylesheet"</pre>
         href="https://fonts.googleapis.com/css?family=Source+Sans+Pro:300,400,400i,700&displa
         y=fallback">
    <!-- Font Awesome -->
    <link href="~/Public/plugins/fontawesome-free/css/all.min.css" rel="stylesheet" />
    <!-- Theme style -->
    <link href="~/Public/dist/css/adminlte.min.css" rel="stylesheet" />
    <!-- Bootstrap tu dinh nghia-->
    <link href="~/Public/css/LayoutAdmin.css" rel="stylesheet" />
    @*Khu vuc header<mark>*@</mark>
    @RenderSection("header", required: false)
</head>
```

```
@*Khu vuc bodv*@
<body class="hold-transition sidebar-mini">
<!-- Site wrapper -->
<div class="wrapper">
 <!-- Navbar -->
 <nav class="main-header navbar navbar-expand navbar-white navbar-light">
 <!-- Left navbar links -->
   <a class="nav-link" data-widget="pushmenu" href="#" role="button"><i class="fas fa-</pre>
               bars"></i></a>
    <a href#" class="nav-link">Home</a>
    <a href="#" class="nav-link">Contact</a>
    <!-- Right navbar links -->
   <a class="nav-link" data-widget="fullscreen" href="#" role="button">
        <i class="fas fa-expand-arrows-alt"></i>
      </a>
    <a class="nav-link" data-widget="control-sidebar" data-slide="true" href="#"</pre>
        role="button">
        <i class="fas fa-th-large"></i></i>
      </a>
    </nav>
 <!-- /.navbar -->
 <!-- Main Sidebar Container -->
 <aside class="main-sidebar sidebar-dark-primary elevation-4">
   <!-- Brand Logo -->
   <a href="@Url.Action("Index","Link")" class="brand-link">
    <img src="~/Public/dist/img/AdminLTELogo.png" alt="AdminLTE Logo" class="brand-image</pre>
             img-circle elevation-3" style="opacity: .8">
    <span class="brand-text font-weight-light">AdminLTE 3</span>
   </a>
   <!-- Sidebar -->
   <div class="sidebar">
    <!-- Sidebar user (optional) -->
    <div class="user-panel mt-3 pb-3 mb-3 d-flex">
      <div class="image">
        <img src="~/Public/dist/img/user2-160x160.jpg" class="img-circle elevation-2"</pre>
             alt="User Image">
      </div>
    <div class="info">
      <a href="#" class="d-block">Alexander Pierce</a>
    </div>
   </div>
   <!-- Sidebar Menu -->
   <nav class="mt-2">
    data-accordion="false">
      <!-- Menu Sản phẩm: Loại SP, Sản phẩm, Nhà cung cấp -->
      <a href="#" class="nav-link">
         <i class="nav-icon fas fa-tachometer-alt"></i></i>
          Sản phẩm <i class="right fas fa-angle-left"></i>
```

```
</a>
    <a href="@Url.Action("Index","Product")" class="nav-link">
        <i class="far fa-circle nav-icon"></i></i></or>
        Sản phẩm
        </a>
     <a href="@Url.Action("Index","Category")" class="nav-link">
        <i class="far fa-circle nav-icon"></i></i></or>
        Loại sản phẩm
       </a>
     <a href="@Url.Action("Index", "Supplier")" class="nav-link">
        <i class="far fa-circle nav-icon"></i></i></or>
        Nhà cung cấp
       </a>
     <!-- Menu danh mục bài viết-->
  <a href="#" class="nav-link">
     <i class="nav-icon fas fa-tachometer-alt"></i></i>
     Bài viết<i class="right fas fa-angle-left"></i>
    </a>
    <a href="@Url.Action("Index","Post")" class="nav-link">
       <i class="far fa-circle nav-icon"></i></i></or>
       Danh sách bài viết
     </a>
    class="nav-item">
     <a href="@Url.Action("Index","Topic")" class="nav-link">
       <i class="far fa-circle nav-icon"></i></i></or>
       Chủ đề bài viết
     </a>
    class="nav-item">
     <a href="@Url.Action("Index","Page")" class="nav-link">
       <i class="far fa-circle nav-icon"></i></i></or>
       Trang don
     </a>
    <!--Menu dành cho giao diện-->
<a href="#" class="nav-link">
   <i class="nav-icon fas fa-tachometer-alt"></i></i>
   Giao diện<i class="right fas fa-angle-left"></i>
 <a href="@Url.Action("Index","Menu")" class="nav-link">
     <i class="far fa-circle nav-icon"></i></i></or>
     Menu
   </a>
  <a href="@Url.Action("Index","Slider")" class="nav-link">
     <i class="far fa-circle nav-icon"></i></i></or>
```

```
Slide Show
          </a>
          <!--Phàn còn lai của menu-->
      LABELS
        <a href="#" class="nav-link">
           <i class="nav-icon far fa-circle text-danger"></i></i></i>
           Important
          </a>
        <a href="#" class="nav-link">
           <i class="nav-icon far fa-circle text-warning"></i></i>
            Warning
          </a>
        <a href="#" class="nav-link">
            <i class="nav-icon far fa-circle text-info"></i></i>
             Informational
          </a>
        </nav>
   </div><!-- /.sidebar-menu -->
  </aside><!-- /.sidebar -->
  @RenderBody()²
  <footer class="main-footer">
   <div class="float-right d-none d-sm-block">
     <b>Version</b> 3.1.0
   </div>
   <strong>Copyright &copy; 2014-2021 <a href="https://adminlte.io">AdminLTE.io</a>.</strong>
           All rights reserved.
  </footer>
 <!-- Control Sidebar -->
  <aside class="control-sidebar control-sidebar-dark">
   <!-- Control sidebar content goes here -->
  </aside>
 <!-- /.control-sidebar -->
</div>
<!-- ./wrapper -->
<!-- jQuery -->
<script src="~/Public/plugins/jquery/jquery.min.js"></script>
<!-- Bootstrap 4 -->
<script src="~/Public/plugins/bootstrap/js/bootstrap.bundle.min.js"></script>
<!-- AdminLTE App -->
<script src="~/Public/dist/js/adminlte.min.js"></script>
<!-- AdminLTE for demo purposes -->
<script src="~/Public/dist/js/demo.js"></script>
@*Khu vuc Footer*@
@RenderSection("footer", required: false)
</body>
</html>
```

<sup>&</sup>lt;sup>2</sup> Đẩy nội dung trang INDEX hoặc bất kỳ trang nào khác qua đây (phần này mỗi trang khác nhau sẽ khác nhau)

#### Tao View Index cho DashboardController.cs

#### Đây là nội dung trang INDEX

```
<u>@{</u>
    ViewBag.Title = "Index";
    Layout = "~/Areas/Admin/Views/Shared/_LayoutAdmin.cshtml";
<body class="hold-transition sidebar-mini">
  <!-- Site wrapper -->
  <div class="wrapper">
    <!-- Main Sidebar Container -->
    <!-- Content Wrapper. Contains page content -->
    <div class="content-wrapper">
      <!-- Main content -->
      <section class="content">
        <!-- Default box -->
        <div class="card">
          <div class="card-header">
            <h3 class="card-title">Title</h3>
              <div class="card-tools">
              <button type="button" class="btn btn-tool" data-card-widget="collapse"</pre>
                      title="Collapse">
                <i class="fas fa-minus"></i></i>
              </button>
              <button type="button" class="btn btn-tool" data-card-widget="remove"</pre>
                      title="Remove">
                <i class="fas fa-times"></i></i>
              </button>
            </div>
          </div>
          <div class="card-body">
            Start creating your amazing application!
          </div> <!-- /.card-footer-->
        </div><!-- /.card -->
      </section><!-- /.content -->
    </div> <!-- /.content-wrapper -->
  </div><!-- ./wrapper -->
</body>
```

