# Bài thực hành 1: Hướng dẫn tạo Project và Thiết kế giao diện người dùng

## HƯớng dẫn tạo Project

### Tạo mới Project

Khởi động Visual Studio 2019

New Project - MVC - C#

🗹 Place solution and Project in the same directory

Empty

🗹 MVC

🗹 Configure for HTTPs

Ví dụ: Project name = **Thoitrang**

### Cấu hình file Route Config

Controller = “Site”

Action = “Index”

### Tạo Controller

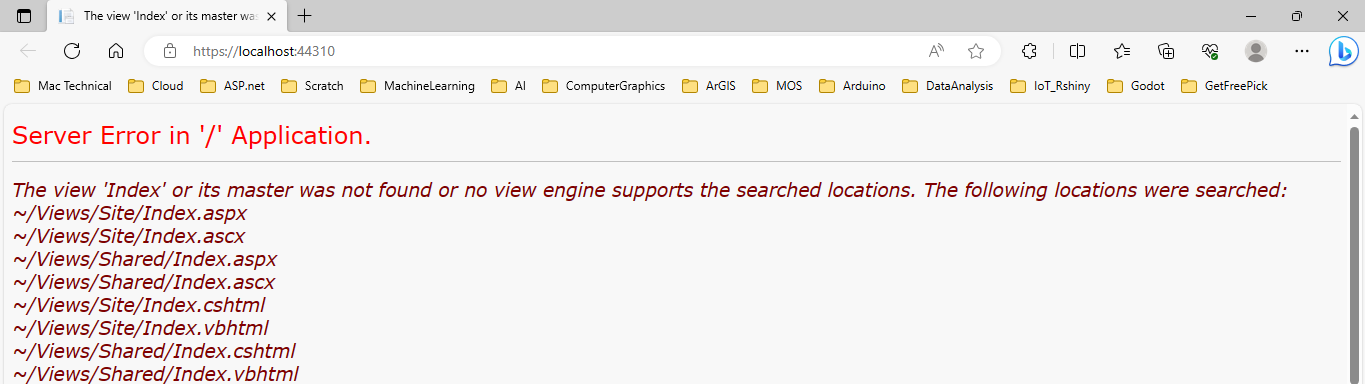
Controller – R\_Click – Add

MVC

MVC 5 Controller Empty

Name: Site**Controller** (**Lưu ý** phải có Controller ở cuối)

### Chạy thử



### Tạo View

View – R\_Click – Add Folder – Shared

R\_click Shared – New Item

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

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

<!DOCTYPE html>

<html>

<head>

<title>@Page.Title</title>

@RenderSection("head", required: false)

</head>

<body>

@RenderBody()

</body>

</html>

### Add \_LayoutSite vào Controller

Quay lại Controller – R\_Click Index – Add View

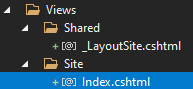
MVC 5 View

Name = Index

Template = Empty (without model)

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

Add



@{

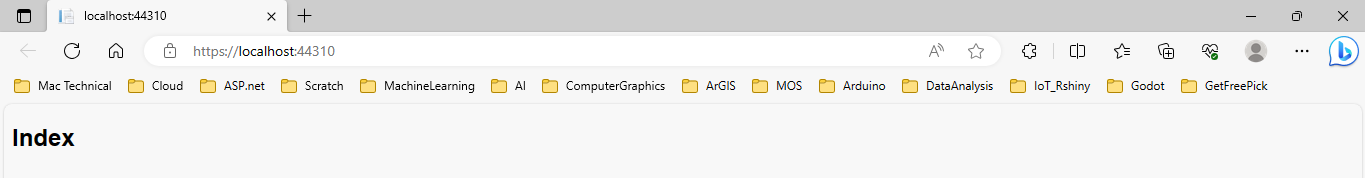
ViewBag.Title = "Index";

Layout = "~/Views/Shared/\_LayoutSite.cshtml";

}

<h2>Index</h2>

### Run Website

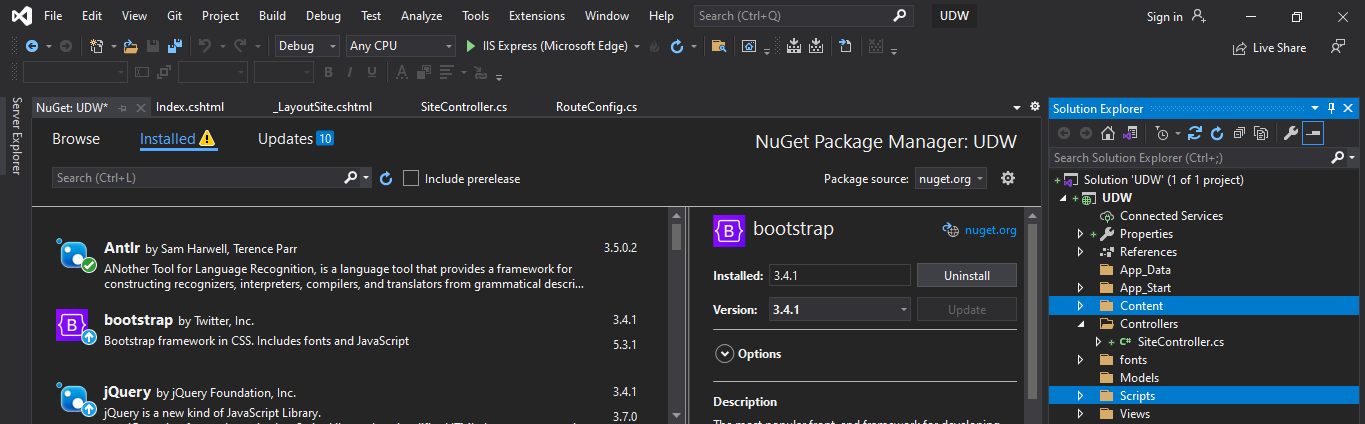


## BOOTSTRAP

### Install Bootstrap

R\_click UDW – Nuget Package manager

Browse: Bootstrap (latest) – Install



Kết quả có 2 folder: Scripts + Content

### Xem website mẫu

### sample\_template\_aroma\aroma

### Tạo folder chứa css, js và những cái khác

R\_Click UDW – Add Folder = **Public** và copy các thư mục con cho Public (css, js, img)

### 

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.

### Tạo StyleSheet

LayoutSite.css trong folder css

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

### 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">

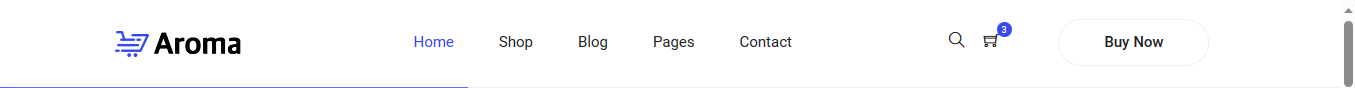
<link rel="stylesheet" href="~/Public/vendors/owl-carousel/owl.carousel.min.css">

<link rel="stylesheet" href="~/Public/css/style.css">

@RenderSection("header", required: false)

</head>

## Thiết kế header



<!--================ 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" alt=""></a>

<button class="navbar-toggler" type="button" data-toggle="collapse" data-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">

<ul class="nav navbar-nav menu\_nav ml-auto mr-auto">

<li class="nav-item active"><a class="nav-link" href="index.html">Home</a></li>

<li class="nav-item submenu dropdown">

<a href="#" class="nav-link dropdown-toggle" data-toggle="dropdown" role="button" aria-haspopup="true"aria-expanded="false">Shop</a>

<ul class="dropdown-menu">

<li class="nav-item"><a class="nav-link" href="category.html">Shop Category</a></li>

<li class="nav-item"><a class="nav-link" href="single-product.html">Product Details</a></li>

<li class="nav-item"><a class="nav-link" href="checkout.html">Product Checkout</a></li>

<li class="nav-item"><a class="nav-link" href="confirmation.html">Confirmation</a></li>

<li class="nav-item"><a class="nav-link" href="cart.html">Shopping Cart</a></li>

</ul>

</li>

<li class="nav-item submenu dropdown">

<a href="#" class="nav-link dropdown-toggle" data-toggle="dropdown" role="button" aria-haspopup="true"aria-expanded="false">Blog</a>

<ul class="dropdown-menu">

<li class="nav-item"><a class="nav-link" href="blog.html">Blog</a></li>

<li class="nav-item"><a class="nav-link" href="single-blog.html">Blog Details</a></li>

</ul>

</li>

<li class="nav-item submenu dropdown">

<a href="#" class="nav-link dropdown-toggle" data-toggle="dropdown" role="button" aria-haspopup="true"aria-expanded="false">Pages</a>

<ul class="dropdown-menu">

<li class="nav-item"><a class="nav-link" href="login.html">Login</a></li>

<li class="nav-item"><a class="nav-link" href="register.html">Register</a></li>

<li class="nav-item"><a class="nav-link" href="tracking-order.html">Tracking</a></li>

</ul>

</li>

<li class="nav-item"><a class="nav-link"href="contact.html">Contact</a></li>

</ul>

<ul class="nav-shop">

<li class="nav-item"><button><i class="ti-search"></i></button></li>

<li class="nav-item"><button><i class="ti-shopping-cart"></i><span class="nav-shop\_\_circle">3</span></button> </li>

<li class="nav-item"><a class="button button-header" href="#">Buy Now</a></li>

</ul>

</div>

</div>

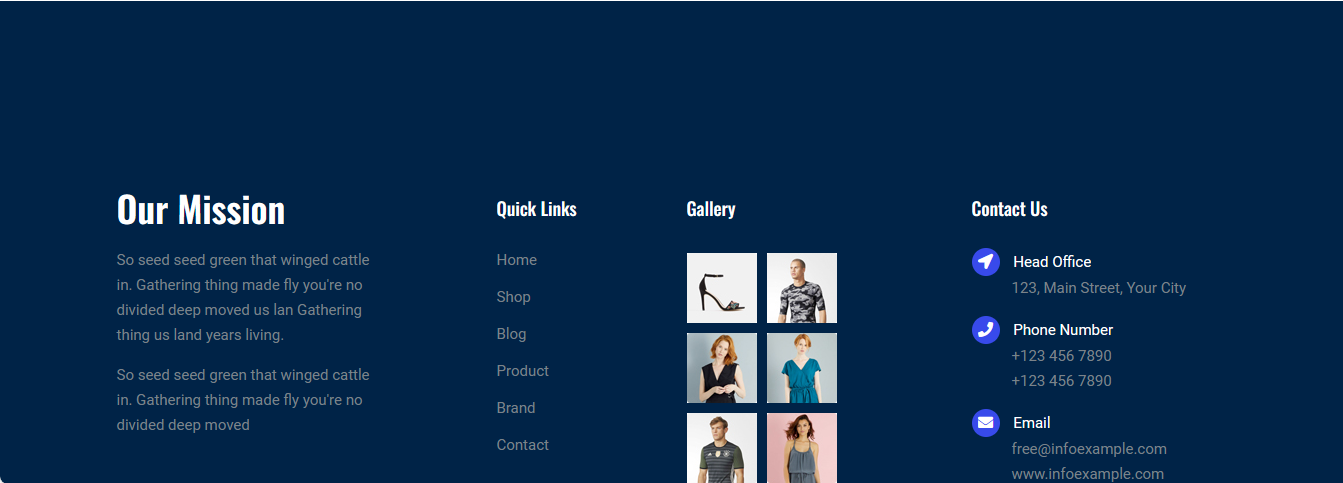
</nav>

</div>

</header>

<!--================ End Header Menu Area =================-->

## THIẾT KẾ FOOTER



<!--================ 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>

<p> 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.

</p>

<p> So seed seed green that winged cattle in. Gathering thing made fly you're no divided deep moved

</p>

</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>

<ul class="list">

<li><a href="#">Home</a></li>

<li><a href="#">Shop</a></li>

<li><a href="#">Blog</a></li>

<li><a href="#">Product</a></li>

<li><a href="#">Brand</a></li>

<li><a href="#">Contact</a></li>

</ul>

</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>

<ul class="list instafeed d-flex flex-wrap">

<li><img src="~/Public/img/gallery/r1.jpg" alt=""></li>

<li><img src="~/Public/img/gallery/r2.jpg" alt=""></li>

<li><img src="~/Public/img/gallery/r3.jpg" alt=""></li>

<li><img src="~/Public/img/gallery/r5.jpg" alt=""></li>

<li><img src="~/Public/img/gallery/r7.jpg" alt=""></li>

<li><img src="~/Public/img/gallery/r8.jpg" alt=""></li>

</ul>

</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">

<p class="sm-head"><span class="fa fa-location-arrow"></span>Head Office</p>

<p>123, Main Street, Your City</p>

<p class="sm-head"> <span class="fa fa-phone"></span>Phone Number</p>

<p>

+123 456 7890 <br>

+123 456 7890

</p>

<p class="sm-head"><span class="fa fa-envelope"></span>Email</p>

<p>

free@infoexample.com <br>

www.infoexample.com

</p>

</div>

</div>

</div>

</div>

</div>

</div>

<div class="footer-bottom">

<div class="container">

<div class="row d-flex">

<p class="col-lg-12 footer-text text-center">

<!-- Link back to Colorlib can't be removed. Template is licensed under CC BY 3.0. -->

Copyright &copy;

<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. -->

</p>

</div>

</div>

</div>

</footer>

<!--================ End footer Area =================-->

# Bài thực hành 1+1: Hướng dẫn Thiết kế giao diện ADMIN

## Tạo vùng admin

### Tạo Areas

Add Folder: Areas

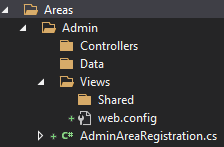
### Tạo Admin:

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 gõ 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]](#footnote-1),action= "Index",id = UrlParameter.Optional }

);

}

}

}

### Tạo controller cho Admin = DashboardController.cs

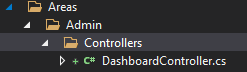
R\_Click Areas\Admin

Add: Controller

MVC 5 Controller - Empty

Add

Name: 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();

}

}

}

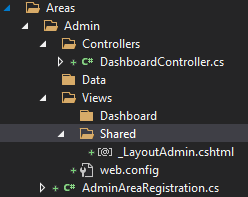
Hiện nay chưa thể thực hiện trang admin: <https://localhost:44310/admin>.Vì còn thiếu trang Index

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:

R\_click Areas\Admin\View\Shared - Add - New Item

Iinstalled - Visual C# - Web - Razor - Layout Page (Razor 3)

Name: \_LayoutAdmin.cshtml



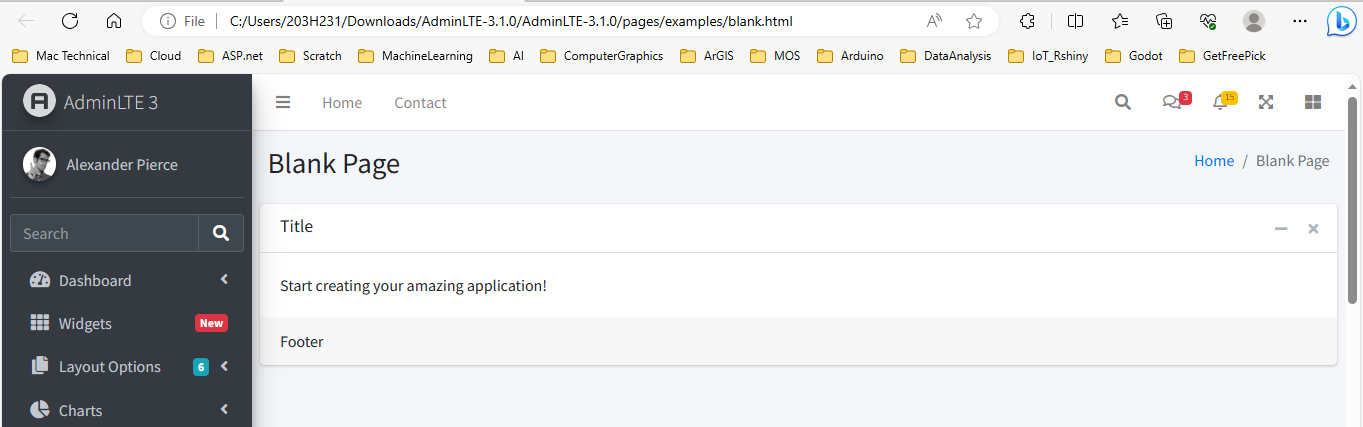
### Tải giao diện mẫu: adminlte.io

Tải source.zip

Unzip

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

Mở file blank.html



Open code blank.html

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

<head>

<meta charset="utf-8">

<meta name="viewport" content="width=device-width, initial-scale=1">

<title>AdminLTE 3 | Blank Page</title>

<!-- Google Font: Source Sans Pro -->

<link rel="stylesheet" href="https://fonts.googleapis.com/css?family=Source+Sans+Pro:300,400,400i,700&display=fallback">

<!-- Font Awesome -->

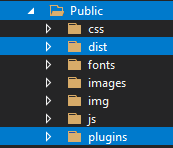
<link rel="stylesheet" href="../../plugins/fontawesome-free/css/all.min.css">

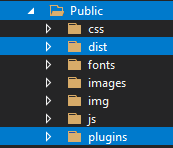
<!-- Theme style -->

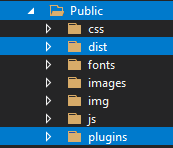
<link rel="stylesheet" href="../../dist/css/adminlte.min.css">

</head>

### Sao chép folder dist và plugins của AdminLTE đến folder Publics







<!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" href="https://fonts.googleapis.com/css?family=Source+Sans+Pro:300,400,400i,700&display=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\*@

@RenderSection("header", required: false)

</head>

@\*Khu vuc body\*@

<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 -->

<ul class="navbar-nav">

<li class="nav-item">

<a class="nav-link" data-widget="pushmenu" href="#" role="button"><i class="fas fa-bars"></i></a>

</li>

<li class="nav-item d-none d-sm-inline-block">

<a href#" class="nav-link">Home</a>

</li>

<li class="nav-item d-none d-sm-inline-block">

<a href="#" class="nav-link">Contact</a>

</li>

</ul>

<!-- Right navbar links -->

<ul class="navbar-nav ml-auto">

<li class="nav-item">

<a class="nav-link" data-widget="fullscreen" href="#" role="button">

<i class="fas fa-expand-arrows-alt"></i>

</a>

</li>

<li class="nav-item">

<a class="nav-link" data-widget="control-sidebar" data-slide="true" href="#" role="button">

<i class="fas fa-th-large"></i>

</a>

</li>

</ul>

</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 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" alt="User Image">

</div>

<div class="info">

<a href="#" class="d-block">Alexander Pierce</a>

</div>

</div>

<!-- Sidebar Menu -->

<nav class="mt-2">

<ul class="nav nav-pills nav-sidebar flex-column" data-widget="treeview" role="menu" data-accordion="false">

**<!-- Menu Sản phẩm: Loại SP, Sản phẩm, Nhà cung cấp -->**

<li class="nav-item">

<a href="#" class="nav-link">

<i class="nav-icon fas fa-tachometer-alt"></i>

<p>

Sản phẩm

<i class="right fas fa-angle-left"></i>

</p>

</a>

<ul class="nav nav-treeview">

<li class="nav-item">

<a href="@Url.Action("Index","Product")" class="nav-link">

<i class="far fa-circle nav-icon"></i>

<p>Sản phẩm</p>

</a>

</li>

<li class="nav-item">

<a href="@Url.Action("Index","Category")" class="nav-link">

<i class="far fa-circle nav-icon"></i>

<p>Loại sản phẩm</p>

</a>

</li>

<li class="nav-item">

<a href="@Url.Action("Index","Supplier")" class="nav-link">

<i class="far fa-circle nav-icon"></i>

<p>Nhà cung cấp</p>

</a>

</li>

</ul>

</li>

<!-- Menu danh mục bài viết-->

<li class="nav-item">

<a href="#" class="nav-link">

<i class="nav-icon fas fa-tachometer-alt"></i>

<p>

Bài viết

<i class="right fas fa-angle-left"></i>

</p>

</a>

<ul class="nav nav-treeview">

<li class="nav-item">

<a href="@Url.Action("Index","Post")" class="nav-link">

<i class="far fa-circle nav-icon"></i>

<p>Danh sách bài viết</p>

</a>

</li>

<li class="nav-item">

<a href="@Url.Action("Index","Topic")" class="nav-link">

<i class="far fa-circle nav-icon"></i>

<p>Chủ đề bài viết</p>

</a>

</li>

<li class="nav-item">

<a href="@Url.Action("Index","Page")" class="nav-link">

<i class="far fa-circle nav-icon"></i>

<p>Trang đơn</p>

</a>

</li>

</ul>

</li>

<!--Menu dành cho giao diện-->

<li class="nav-item">

<a href="#" class="nav-link">

<i class="nav-icon fas fa-tachometer-alt"></i>

<p>

Giao diện

<i class="right fas fa-angle-left"></i>

</p>

</a>

<ul class="nav nav-treeview">

<li class="nav-item">

<a href="@Url.Action("Index","Menu")" class="nav-link">

<i class="far fa-circle nav-icon"></i>

<p>Menu</p>

</a>

</li>

<li class="nav-item">

<a href="@Url.Action("Index","Slider")" class="nav-link">

<i class="far fa-circle nav-icon"></i>

<p>Slide Show</p>

</a>

</li>

</ul>

</li>

<!--Phàn còn lại của menu-->

<li class="nav-header">LABELS</li>

<li class="nav-item">

<a href="#" class="nav-link">

<i class="nav-icon far fa-circle text-danger"></i>

<p class="text">Important</p>

</a>

</li>

<li class="nav-item">

<a href="#" class="nav-link">

<i class="nav-icon far fa-circle text-warning"></i>

<p>Warning</p>

</a>

</li>

<li class="nav-item">

<a href="#" class="nav-link">

<i class="nav-icon far fa-circle text-info"></i>

<p>Informational</p>

</a>

</li>

</ul>

</nav>

<!-- /.sidebar-menu -->

</div>

<!-- /.sidebar -->

</aside>

**@RenderBody()[[2]](#footnote-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>

### Tạo View Index cho DashboardController.cs

Từ tập tin DashboardController

public class DashboardController : Controller

{

// GET: Admin/Dashboard

public ActionResult Index()

{

return View();

}

}

R\_Click Index - Add View

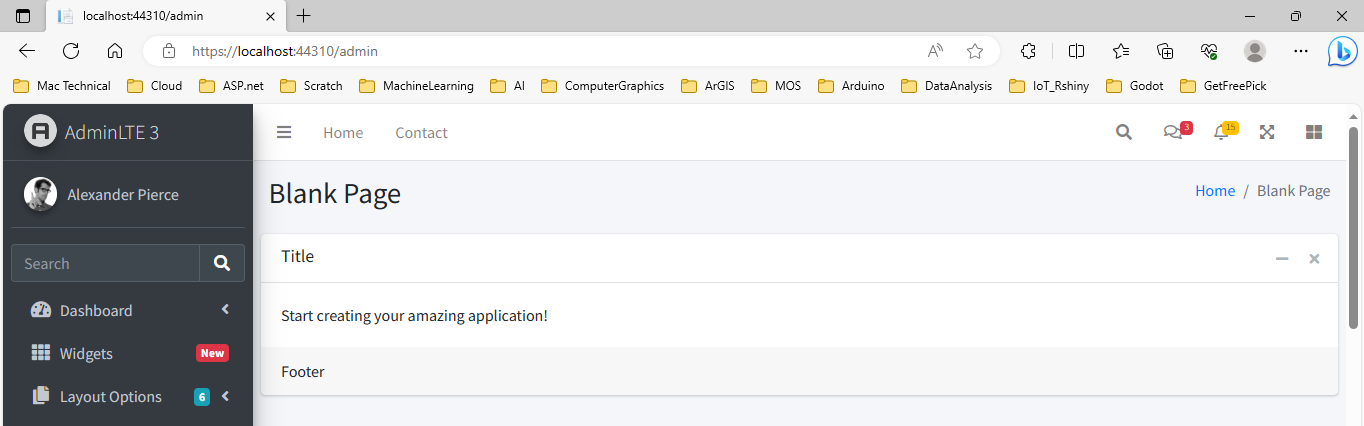
View \ MVC 5 View \

Name: Index

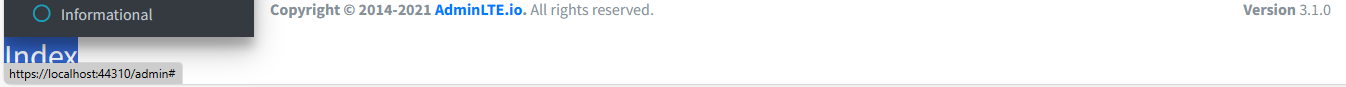
Template: Emty

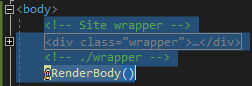
🗹 Use layout page: ~Areas\Admin\View/Shared/\_LayoutAdmin.cshtml

### Build và Run Admin page



#### Có tình huống phát sinh là INDEX nằm dưới cùng. Vì sao?





Nghĩa là nộ dung trang INDEX nằm bên dưới đoạn Site wrapper, vận dụng kiến thức ở trang người dùng chúng ta chuyển toàn bộ nội dung ở Site wrapper sang Index và thực hiện gọi trang INDEX bằng RENDERBODY

### Đây là nội dung trang INDEX sau khi sửa đổi

@{

ViewBag.Title = "Index";

Layout = "~/Areas/Admin/Views/Shared/\_LayoutAdmin.cshtml";

}

<!-- Content Wrapper. Contains page content -->

<div class="content-wrapper">

<!-- Main content -->

<section class="content my-2">

<!-- Default box -->

<div class="card">

<div class="card-header">

<div class="row">

<div class="col-md-6">

<strong>TITLE</strong>

</div>

<div class="col-md-6 text-right">

LINK

</div>

</div>

</div>

<div class="card-body">

NOI DUNG

<!-- /.card-body -->

</div>

</div>

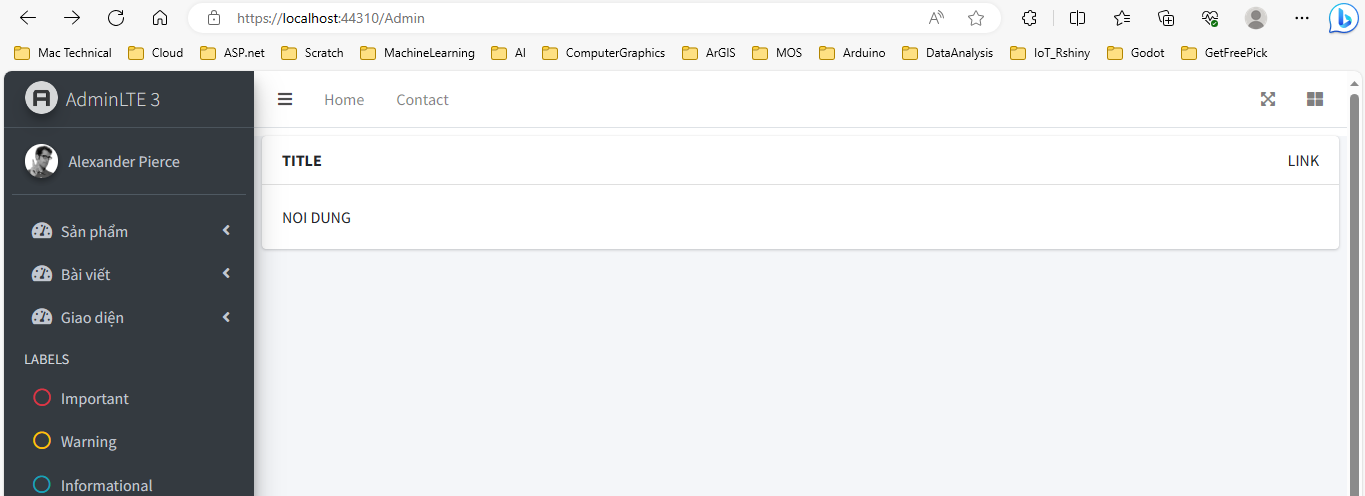
<!-- /.card -->

</section>

<!-- /.content -->

</div>

<!-- /.content-wrapper -->



1. Đặt thêm tên cho controller [↑](#footnote-ref-1)
2. Đẩy nội dung trang INDEX hoặc bất kỳ trang nào khác qua đây (phần này mỗi trang khác nhau sẽ khác nhau) [↑](#footnote-ref-2)