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SETTING UP ADMIN TEMPLATE IN ASP.NET CORE MVC

OCTOBER 30, 2018

In this part of Tutorial, we're going to Setup AdminLTE Template in an Empty Asp.net Core MVC Project.

If you want to use Angularjs for routing then I'll recommend you to read this article =>

Angularjs UI-Router Nested Views with Asp.Net Core MVC Application

In this Tutorial, I'm using VS Code, you can use Editor or IDE of your choice.

Let's start by Creating an Empty MVC Project

If you're using VS Code you can create your project using this command
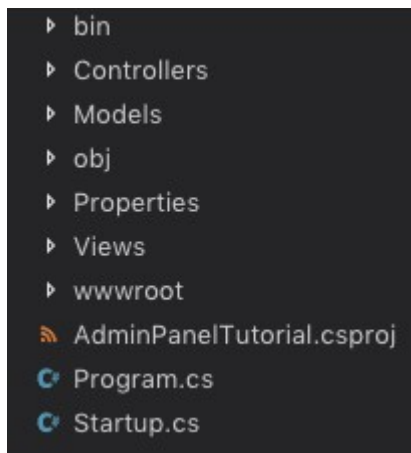
```
dotnet new Web
```

after that add this Code to your "Startup.cs" File to ready your project for using MVC.

```
1.   using System;
2.   using System.Collections.Generic;
3.   using System.Linq;
4.   using System.Threading.Tasks;
5.   using Microsoft.AspNetCore.Builder;
6.   using Microsoft.AspNetCore.Hosting;
7.   using Microsoft.AspNetCore.Http;
8.   using Microsoft.Extensions.DependencyInjection;
9.
10.  namespace AdminPanelTutorial
11.  {
12.      public class Startup
13.      {
14.          public void ConfigureServices(IServiceCollection services)
15.          {
16.              services.AddMvc();
17.          }
18.
19.          // This method gets called by the runtime. Use this method to configure the
     HTTP request pipeline.
20.          public void Configure(IApplicationBuilder app, IHostingEnvironment env)
21.          {
22.              if (env.IsDevelopment())
23.              {
24.                  app.UseDeveloperExceptionPage();
25.              }
26.
27.              app.UseStaticFiles();
28.
29.              app.UseMvc(routes =>
30.              {
31.                  routes.MapRoute(
32.                      name: "default",
33.                      template: "{controller=Home}/{action=Index}/{id?}");
34.              });
35.          }
36.      }
37.  }
```

Now create Three folders "Controllers", "Models" & "Views".

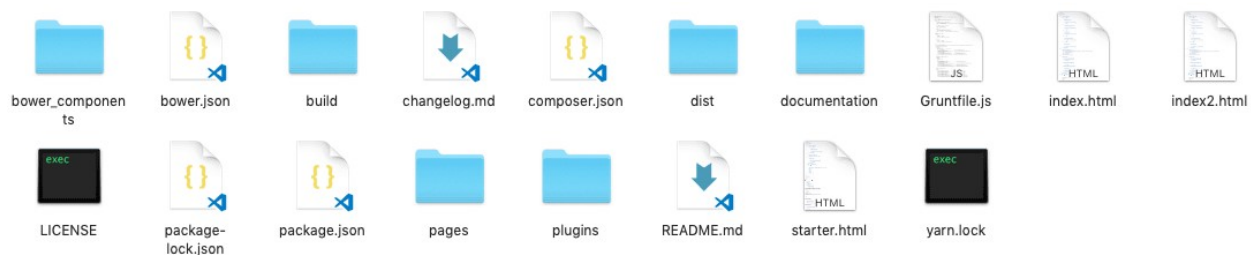After that, your project structure will look like this

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Now unzip the AdminLTE zip file, you'll see these files & folders inside.

For keeping our project clean you need to copy & paste only these Folders "bower_components" & "dist" from here to the "wwwroot" folder of your project.

Now create a Controller as "HomeController.cs" inside your Controllers Folder & Add this code.

```
1.   using Microsoft.AspNetCore;
2.   using Microsoft.AspNetCore.Hosting;
3.   using Microsoft.AspNetCore.Mvc;
4.
5.   namespace AdminPanelTutorial
6.   {
7.       public class HomeController : Controller
8.       {
```

```
 9.        public IActionResult Index()
10.        {
11.            return View();
12.        }
13.    }
14.  }
```

Don't forget to change the namespace according to your project name.

CREATING A LAYOUT PAGE

Create a new File as "**_ViewStart.**cshtml" Inside your "**Views**" Folder & Add this Code:

```
1.  @{
2.      Layout = "~/Views/Shared/_Layout.cshtml";
3.  }
```

Now Create a Folder "**Shared**" inside "**Views**" Folder & Inside "**Shared**" Folder Create two new Files as "**_Layout.cshtml**" & "**_MainMenu.cshtml**"

Put this Code Inside "**Layout.cshtml**"

```
 1.  <!DOCTYPE html>
 2.  <html>
 3.  <head>
 4.    <meta charset="utf-8">
 5.    <meta http-equiv="X-UA-Compatible" content="IE=edge">
 6.    <title>Admin Panel</title>
 7.    <!-- Tell the browser to be responsive to screen width -->
 8.    <meta content="width=device-width, initial-scale=1, maximum-scale=1, user-
      scalable=no" name="viewport">
 9.    <link rel="stylesheet" href="~/bower_components/bootstrap/dist/css
      /bootstrap.min.css">
10.    <!-- Font Awesome -->
11.    <link rel="stylesheet" href="~/bower_components/font-awesome/css/font-
      awesome.min.css">
12.    <!-- Ionicons -->
13.    <link rel="stylesheet" href="~/bower_components/Ionicons/css/ionicons.min.css">
14.    <!-- Theme style -->
15.    <link rel="stylesheet" href="~/dist/css/AdminLTE.min.css">
16.    <link rel="stylesheet" href="~/dist/css/skins/skin-blue.min.css">
17.    <!-- Google Font -->
18.    <link rel="stylesheet"
```

```
19.          href="https://fonts.googleapis.com
      /css?family=Source+Sans+Pro:300,400,600,700,300italic,400italic,600italic">
20.    </head>
21.    <body class="hold-transition skin-blue sidebar-mini">
22.    <div class="wrapper">
23.      <!-- Main Header -->
24.      <header class="main-header">
25.        <!-- Logo -->
26.        <a href="index2.html" class="logo">
27.          <!-- mini logo for sidebar mini 50x50 pixels -->
28.          <span class="logo-mini"><b>AP</b>T</span>
29.          <!-- logo for regular state and mobile devices -->
30.          <span class="logo-lg"><b>AdminPanel</b>Tutorial</span>
31.        </a>
32.        <!-- Header Navbar -->
33.        <nav class="navbar navbar-static-top" role="navigation">
34.          <!-- Sidebar toggle button-->
35.          <a href="#" class="sidebar-toggle" data-toggle="push-menu" role="button">
36.            <span class="sr-only">Toggle navigation</span>
37.          </a>
38.          <!-- Navbar Right Menu -->
39.          <div class="navbar-custom-menu">
40.            <ul class="nav navbar-nav">
41.              <!-- User Account Menu -->
42.              <li class="dropdown user user-menu">
43.                <!-- Menu Toggle Button -->
44.                <a href="#" class="dropdown-toggle" data-toggle="dropdown">
45.                  <!-- The user image in the navbar-->
46.                  <img src="~/dist/img/user2-160x160.jpg" class="user-image" alt="User
      Image">
47.                  <!-- hidden-xs hides the username on small devices so only the image
      appears. -->
48.                  <span class="hidden-xs">Shehryar khan</span>
49.                </a>
50.                <ul class="dropdown-menu">
51.                  <!-- The user image in the menu -->
52.                  <li class="user-header">
53.                    <img src="~/dist/img/user2-160x160.jpg" class="img-circle"
      alt="User Image">
54.                      <p>
55.                        Shehryar khan - Coding Infinite
56.                        <small>Member since Nov. 2012</small>
57.                      </p>
58.                  </li>
59.                  <!-- Menu Body -->
60.                  <li class="user-body">
61.                    <div class="row">
62.                      <div class="col-xs-4 text-center">
63.                        <a href="#">Account</a>
64.                      </div>
65.                    </div>
```

```
 66.                        <!-- /.row -->
 67.                      </li>
 68.                      <!-- Menu Footer-->
 69.                      <li class="user-footer">
 70.                        <div class="pull-left">
 71.                          <a href="#" class="btn btn-default btn-flat">Profile</a>
 72.                        </div>
 73.                        <div class="pull-right">
 74.                          <a href="#" class="btn btn-default btn-flat">Sign out</a>
 75.                        </div>
 76.                      </li>
 77.                    </ul>
 78.                  </li>
 79.                </ul>
 80.              </div>
 81.            </nav>
 82.          </header>
 83.          <!-- Left side column. contains the logo and sidebar -->
 84.          <aside class="main-sidebar">
 85.            <!-- sidebar: style can be found in sidebar.less -->
 86.            <section class="sidebar">
 87.              <!-- Sidebar user panel (optional) -->
 88.              <div class="user-panel">
 89.                <div class="pull-left image">
 90.                  <img src="~/dist/img/user2-160x160.jpg" class="img-circle" alt="User
      Image">
 91.                </div>
 92.                <div class="pull-left info">
 93.                  <p>Shehryar Khan</p>
 94.                  <!-- Status -->
 95.                  <a href="#"><i class="fa fa-circle text-success"></i> Online</a>
 96.                </div>
 97.              </div>
 98.              <!-- search form (Optional) -->
 99.              <form action="#" method="get" class="sidebar-form">
100.                <div class="input-group">
101.                  <input type="text" name="q" class="form-control" placeholder="Search...">
102.                  <span class="input-group-btn">
103.                    <button type="submit" name="search" id="search-btn" class="btn btn-
      flat"><i class="fa fa-search"></i>
104.                    </button>
105.                  </span>
106.                </div>
107.              </form>
108.              <!-- /.search form -->
109.              <!-- Sidebar Menu -->
110.              @Html.Partial("_MainMenu")
111.              <!-- /.sidebar-menu -->
112.            </section>
113.            <!-- /.sidebar -->
114.          </aside>
```

```
115.        <!-- Content Wrapper. Contains page content -->
116.        <div class="content-wrapper">
117.          <!-- Content Header (Page header) -->
118.          @RenderBody()
119.          <!-- /.content -->
120.        </div>
121.        <!-- /.content-wrapper -->
122.        <!-- Main Footer -->
123.        <footer class="main-footer">
124.          <!-- Default to the left -->
125.          <strong>Copyright &copy; 2018 <a
      href="https://codinginfinite.com">CodingInfinite</a>.</strong> All rights reserved.
126.        </footer>
127.      </div>
128.      <!-- ./wrapper -->
129.      <!-- REQUIRED JS SCRIPTS -->
130.      <!-- jQuery 3 -->
131.      <script src="~/bower_components/jquery/dist/jquery.min.js"></script>
132.      <!-- Bootstrap 3.3.7 -->
133.      <script src="~/bower_components/bootstrap/dist/js/bootstrap.min.js"></script>
134.      <!-- AdminLTE App -->
135.      <script src="~/dist/js/adminlte.min.js"></script>
136.    </body>
137.    </html>
```

& Copy the code below inside your **"_MainMenu.cshtml"**

```
1.    <ul class="sidebar-menu" data-widget="tree">
2.    <li class="header">HEADER</li>
3.    <!-- Optionally, you can add icons to the links -->
4.    <li class="active"><a href="#"><i class="fa fa-link"></i> <span>Link</span>
      </a></li>
5.    <li><a href="#"><i class="fa fa-link"></i> <span>Another Link</span></a></li>
6.    <li class="treeview">
7.        <a href="#"><i class="fa fa-link"></i> <span>Multilevel</span>
8.        <span class="pull-right-container">
9.            <i class="fa fa-angle-left pull-right"></i>
10.           </span>
11.       </a>
12.       <ul class="treeview-menu">
13.       <li><a href="#">Link in level 2</a></li>
14.       <li><a href="#">Link in level 2</a></li>
15.       </ul>
16.    </li>
17.    </ul>
```
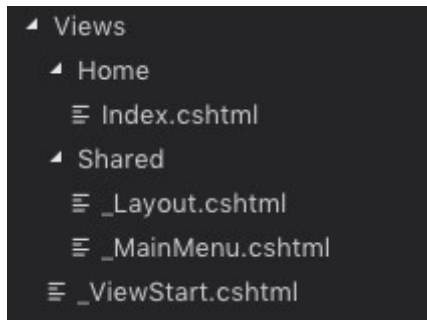
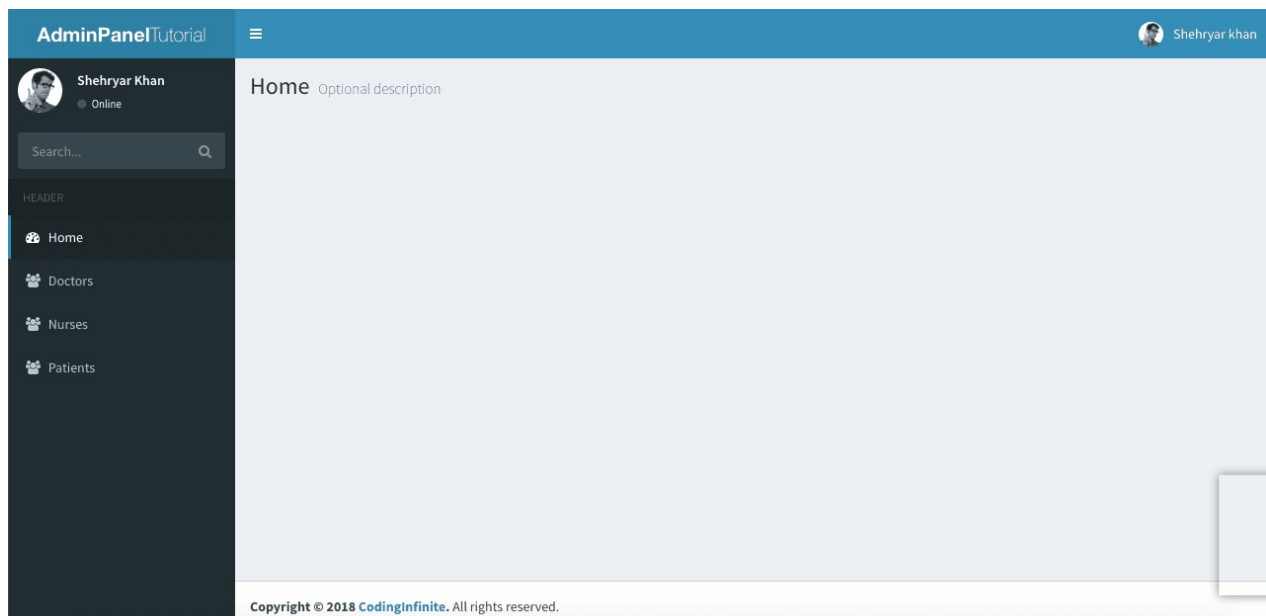Now create a new Folder to Views as **"Home"** & inside this Folder create a file as

"Index.cshtml"

Now your **"Views"** directory structure will be looking something like this

```
▲ Views
   ▲ Home
      ☰ Index.cshtml
   ▲ Shared
      ☰ _Layout.cshtml
      ☰ _MainMenu.cshtml
   ☰ _ViewStart.cshtml
```

Now add this code to your **"Index.cshtml"** file

```
1.   <section class="content-header">
2.       <h1>
3.       Home
4.       <small>Optional description</small>
5.       </h1>
6.   </section>
7.   <!-- Main content -->
8.   <section class="content container-fluid">
9.       <!--------------------------
10.      | Your Page Content Here |
11.      -------------------------->
12.  </section>
```

Run your project. You'll see this page

Now your Starter Page is ready. You can also download Complete Source Code from Github.

○ Download Complete Source Code

If you find any problem, please share in the comment section below.

In the next part of this tutorial, we'll create a login page for our Admin Panel. Although AdminLTE provides a sample login page but we'll use the more beautiful design for our login page.

↩ Admin Panel Tutorial in Asp.net Core

Creating Login Page ↪

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AUTHOR

SHEHRYAR KHAN

I'm passionate about learning new technologies as well as mentoring and helping others get
started with their programming career. This blog is my way of giving back to the Community.

🏠

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Very good tutorial. Congrats!

YAMT

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Excelent!!!

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Best Developer

PRINCE ANOKYE FRIMPONG   ↰ **REPLY**

7 MONTHS AGO

Dear Shehryar Khan,

Please I really like your tutorial and will need your assistance.
Can we chat privately through email or phone?

Email: pafrimpong@arbapexbank.com
Contact: +233245191369

MATTEO   ↰ **REPLY**

8 MONTHS AGO

I've an error after adding AdminLTE files:
in fullcalendar.d.ts cannot find 'JQueryPromise'
cannot find 'JQueryEventObject'
cannot find 'JQueryAjaxSettings'
cannot find 'moment'

SHEHRYAR KHAN   POST AUTHOR   ↰ **REPLY**

7 MONTHS AGO

Source Code Uploaded at Github –> https://github.com/CodingInfinite

/Asp-net-Core-Project-with-Admin-Template-Setup

DIRK G

↰ **REPLY**

8 MONTHS AGO

Thanks!

But it doesn't work for me.

Is there a downlaod link, please?

SHEHRYAR KHAN   POST AUTHOR

↰ **REPLY**

7 MONTHS AGO

Source Code Uploaded at Github -> https://github.com/CodingInfinite

/Asp-net-Core-Project-with-Admin-Template-Setup

JACK

↰ **REPLY**

8 MONTHS AGO

Thanks! Very helpful.

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