How to use Kendo UI in ASP.NET MVC

In this article, I want to describe How to use Kendo UI in ASP.NET MVC application. Before starting describes How to use Kendo UI in ASP.NET MVC, I would like to say something about Kendo UI. So let try to know what Kendo UI is.

Kendo UI provide you with a simple and consistent programming interface, polished and innovative UI widgets for the web, powered by jQuery, HTML5 & CSS3, a MVVM framework, themes which are easily customizable to fit the widgets to your web application, templates and much more. All that’s left to do is to develop modern desktop and mobile web applications by leveraging your web development skills while unlocking the power of JavaScript, HTML5 & CSS3, and using the intuitive Kendo UI. You can know about Kendo UI more by this link.

Now time to start How to use Kendo UI in ASP.NET MVC application. I am trying to descried step by step; I hope it will be helpful for use. So we should follow step properly.

Step 1:

At first take an ASP.NET MVC application, where you want to use Kendo UI. Then added Kendo UI required CSS, JavaScript files. So you have to download Kendo UI by this links.

Notice, you can download MSI installer or the ZIP file.

Step 2:

After completed download Kendo UI files you can see the distribution files contain like below:

* \js - Kendo UI minified JavaScript files.
* \styles - Kendo UI minified CSS files and background images used by the themes.
* \src - Complete JavaScript, CSS and C# source code.
* \wrappers\aspnetmvc\Binaries - Kendo UI Complete for ASP.NET MVC assemblies.
* \wrappers\aspnetmvc\Examples - a sample ASP.NET MVC application.
* \wrappers\aspnetmvc\EditorTemplates - ready-to-use editor templates based on various Kendo UI widgets.
* \wrappers\aspnermvc\LegacyThemes - Kendo UI themes ported from Telerik Extensions for ASP.NET MVC themes.

Step 3:

Now go to your ASP.NET MVC application to which you want to use Kendo UI. Added Kendo UI dll reference to your ASP.NET MVC application, which you can get from downloaded folder like below:

* \wrappers\aspnetmvc\Binaries\Mvc3\Kendo.Mvc.dll

Step 4:

You have to added CSS files and JavaScript files to you ASP.NET MVC application. For CSS files, Copy the Kendo UI CSS files and folders from the \styles folder of the download to the Content folder of your application. If you want to use only one theme copy kendo.common.min.css, the theme file (e.g. kendo.default.min.css), the theme folder (e.g. Default) and the textures folder. For JavaScript, Copy the Kendo UI JavaScript files from the \js folder of the download to the Scripts folder of your application. I added like below:

==========image

Notice, if you want to use CDN section.

Step 5:

You have to configure your ASP.NET MVC application layout page or master page to include the Kendo UI Web CSS and JavaScript files like below:

=========code

Notice, I am using Razor View page engine in here.

Step 6:

Add a reference to the Kendo.Mvc.UI namespace to your web.config. Then the Kendo HtmlHelper extension would be availble in your views. Rebuild your project after adding the namespace to the web.config (required for Visual Studio to show intellisense for Kendo.Mvc.UI).

I am using Razor View page engine, so I can do like that open the web.config file which is in the Views folder of your application. Add <add namespace="Kendo.Mvc.UI" /> before the closing namespaces tag like below:

=========code

Notice, you have to added both web.config in your application.

For using any Kendo UI HtmlHelper extension like below:

=========code

Now I think ready to use Kendo UI in ASP.NET MVC application, if do you follow all step properly.

I would like to use CDN like below:

==========code

Thanks you for reading this article. You can more about it from this link.

Kendo UI Grid in ASP.NET MVC

In this article, I want to describe How to use Kendo UI Grid in ASP.NET MVC application. Before starting use Kendo UI Grid in ASP.NET MVC, You have to ready to your ASP.NET MVC application. How to use Kendo UI in ASP.NET MVC application, you can know by this link.

After ready your ASP.NET MVC application, now I would like describe How to use Kendo UI Grid in ASP.NET MVC step by step; I hope it will be helpful for use. So we should follow step properly.

Step 1:

At first added Product controller and added an Index action to controller. Create an Index Razor View page for display Product list in Index.cshtml page. For using Kendo UI Grid Ajax Binding, Create a method in Product Controller like below:

=========code

Above in the code, this action method will return data to populate the Kendo UI Grid by Ajax Binding. \_db is my Database Context, which will give product data.

Step 2:

Add a new parameter of type Kendo.UI.DataSourceRequest. It will contain the current Kendo UI Grid request information - page, sort, group and filter. Decorate that parameter with the Kendo.UI.DataSourceRequestAttribute. That attribute is responsible for populating the DataSourceRequest object. Like below:

==========code

Step 3:

I want to Use the ToDataSourceResult extension method to convert your IQueryable or IEnumerable to a Kendo.UI.DataSourceResult object. That extension method will page, filter, sort or group your data using the information provided by the DataSourceRequest object. To use the ToDataSourceResult extension method import the Kendo.Mvc.Extensions namespace like below:

==========code

Step 4:

I want to return the DataSourceResult as JSON like below:

==========code

Step 5:

In the view configure the grid to use the action method created in the previous steps. Index.cshtml razor view page code will be like below:

==========code

Above in this code, The ToDataSourceResult method uses the DataSourceRequest parameter and linq expressions to apply paging, sorting, filtering and grouping. The JSON response of the action method will contain only a single page of data. The grid will be bound to that data.

If you followed all step properly, I hope it will work properly.

Kendo UI an image upload and instant preview in ASP.NET MVC

In this article, I want to describe How to upload an image and instant preview by Kendo UI Upload in ASP.NET MVC application. Before starting use Kendo UI Upload controller in ASP.NET MVC, You have to ready to your ASP.NET MVC application. How to use Kendo UI in ASP.NET MVC application, you can know by this link.

After ready your ASP.NET MVC application, now I would like describe How to use Kendo UI Upload an image and instant preview in ASP.NET MVC step by step; I hope it will be helpful for use. So we should follow step properly.

Step 1:

At first added Upload controller and added an Index action to controller. Create an Index Razor View page. I added Kendo UI Upload for uploading image in Index.cshtml page. Then Index.cshtml razor view page code like below:

==========code

Above in the code, I am using Kendo UI Upload control. I want to preview uploaded image instantly. In this code, I am using some method of Kendo UI Upload Control like below:

==========code

Step 2:

Now I would like to describe method of Kendo UI Upload, which used above code. I am using asynchronous mode upload so I am using Async() method. Async() method has some options that I am using like Save(), Remove(), AutoUpload(), Events() methods. I would like to describe those methods in the following:

* Save() method : this method use to save images/files in your application to directory. So I added an action in Upload Controller for this Save() method like below:

==========code

* Remove() method : this method use to remove upload images/files in your application from directory. So I added an action in Upload Controller for remove uploaded image like below:

==========code

* AutoUpload() method : this method use to auto upload option true/false.
* Events() method : this method have some options events like Cancel, Complete, Error, Progress, Remove, Select, Success, Upload.

Notice, I am working in my application with images. Not files.

Step 3:

For preview uploaded images, I modify to Save and Remove action in Upload Controller for return data as a Json like below:

==========code

Above in this code, I am returned PictureViewModel object as a Json for preview that image instantly. So PictureViewModel like below:

==========code

Now I am using this Json return data for preview image instantly.

Step 4:

I am using in my application Select Event of Kendo UI Upload for display loading image. So I added an onSelect javascript function like below:

==========code

Above in this code, I am showing image preview zone by JQuery statement.

Success Event of Kendo UI Upload for preview that uploaded image instantly. So I added an onSuccess javascript function like below:

==========code

Above in this code, by step 3 I returned Json PictureViewModel object, so I get this Json object from onSuccess javascript function by XMLHttpRequest.responseText

So now I can get PictureViewModel properties like below:

==========code

After completed all step properly, I hope it will work properly.