How to create ASP.NET Web Forms Application in VB.NET and How to add Syncfusion controls in it ?

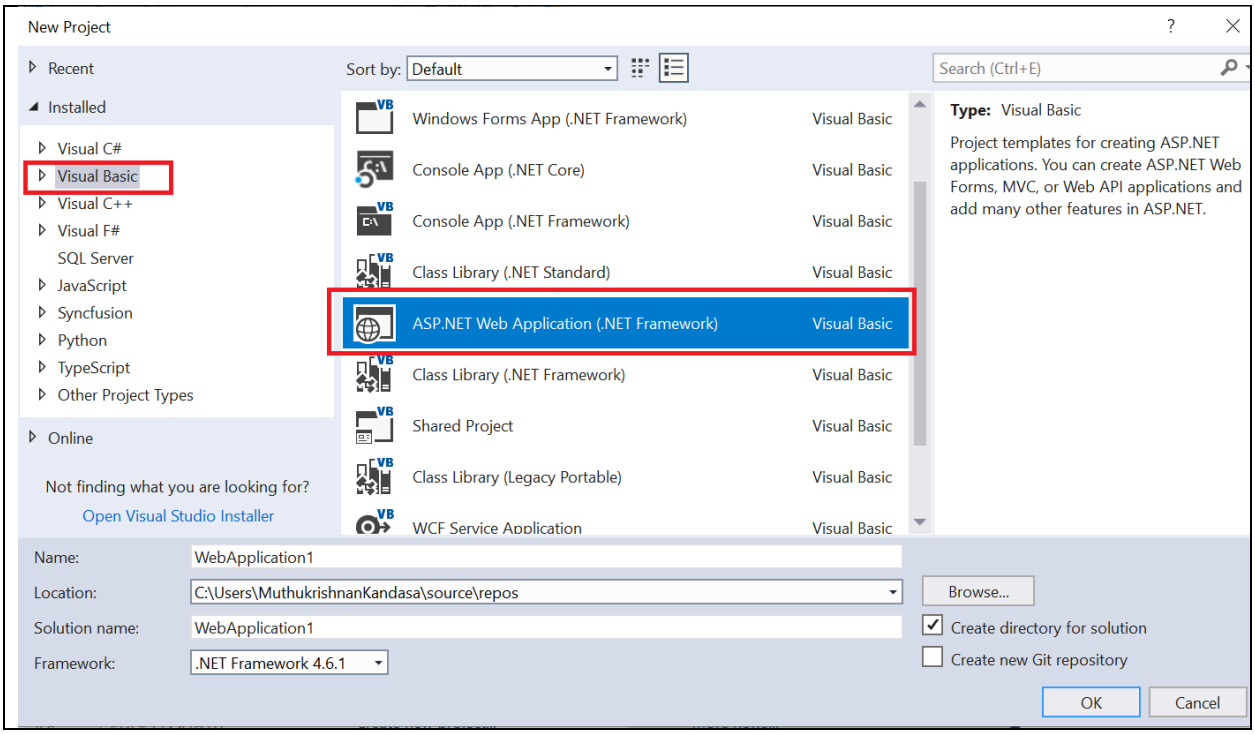
In this documentation we'll explain the step by step process to add Syncfusion controls in ASP.NET Web Forms VB.Net application.

Section 1: Creating ASP.NET Web Forms Application.

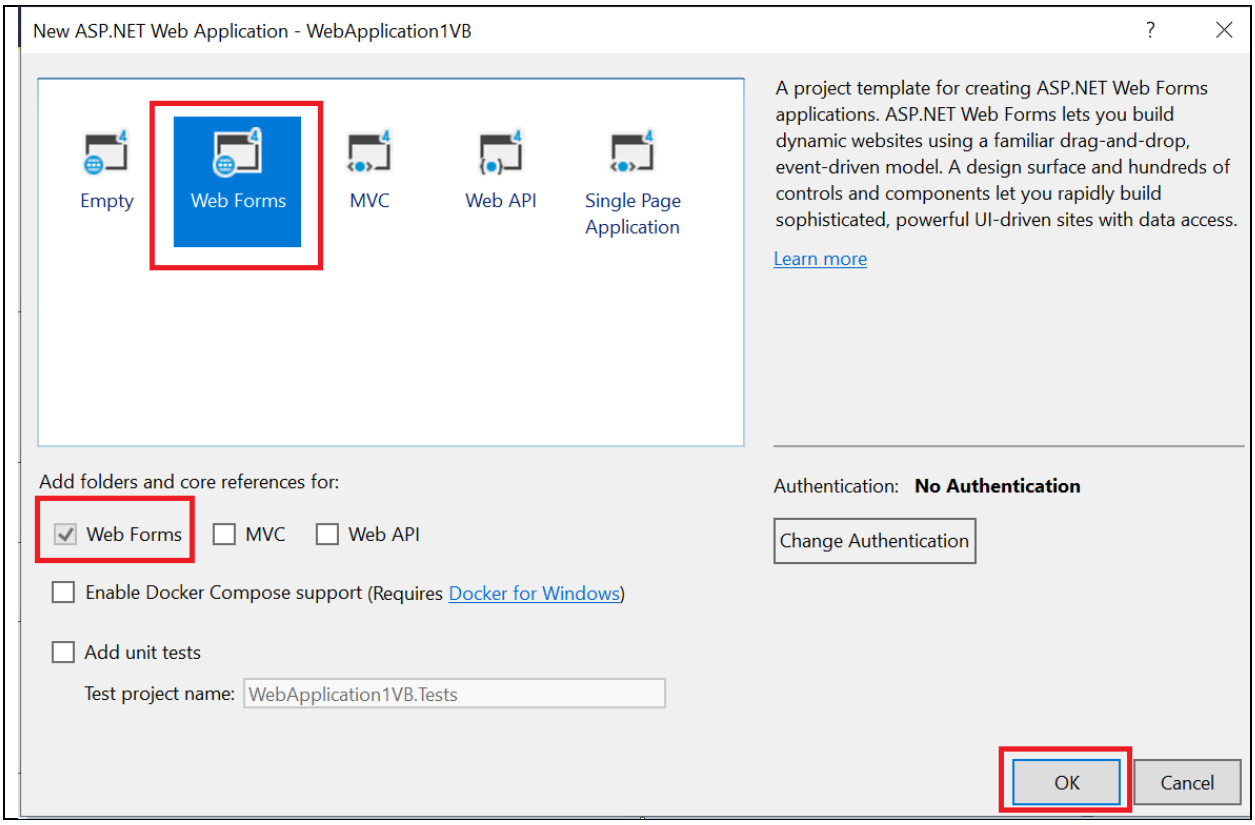
Step 1: Open the Visual studio.

Step 2: Click **File**->**New**->**Project**.

Step 3: After clicking the project it will show project template. Then we need to select the type as Visual Basic and project template as a ASP.NET Web Application. Refer the below screen shot.



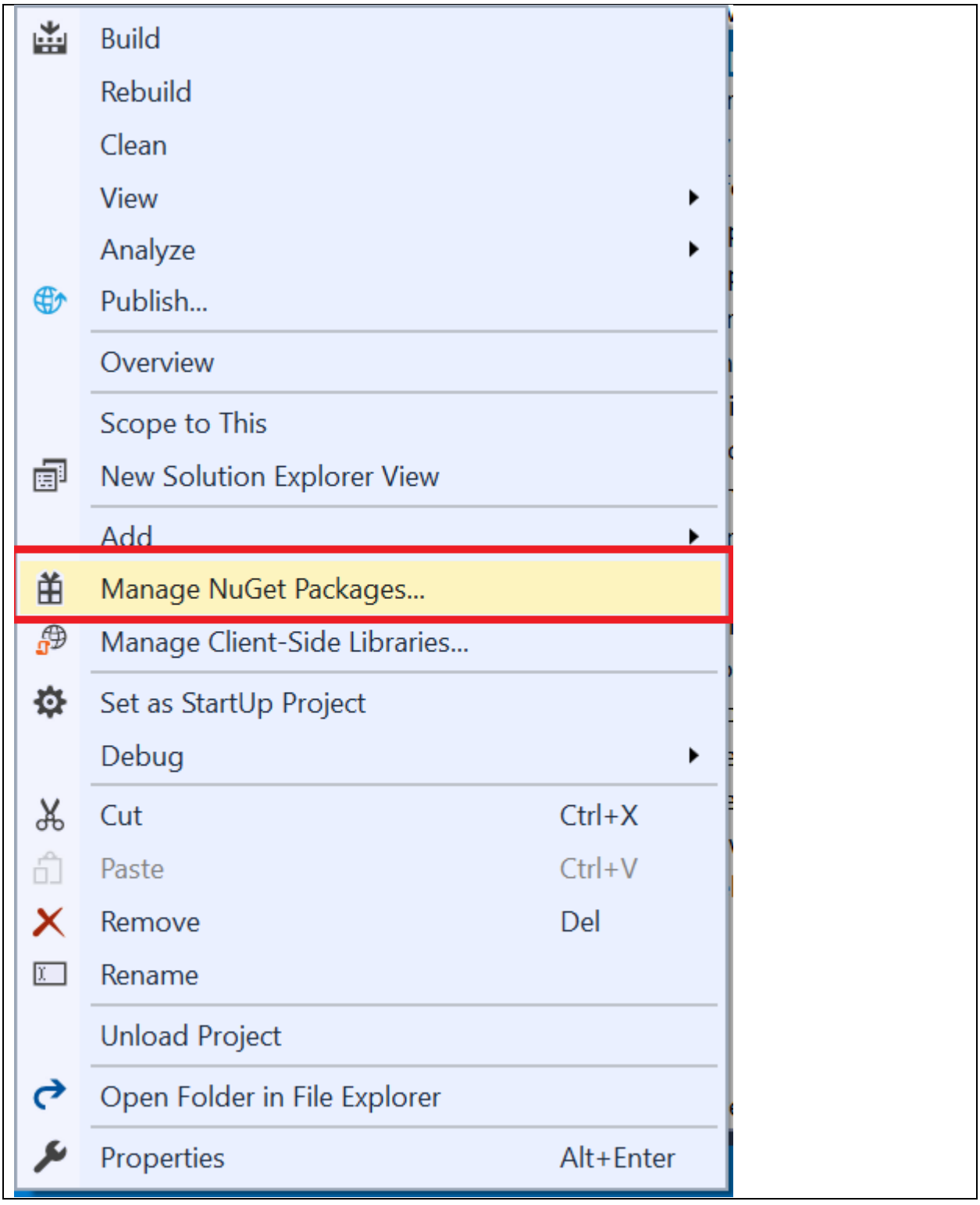
Step 4: After clicking ok button it will show another popup to select the web application template then we need to select webforms template. Refer the below screenshot.



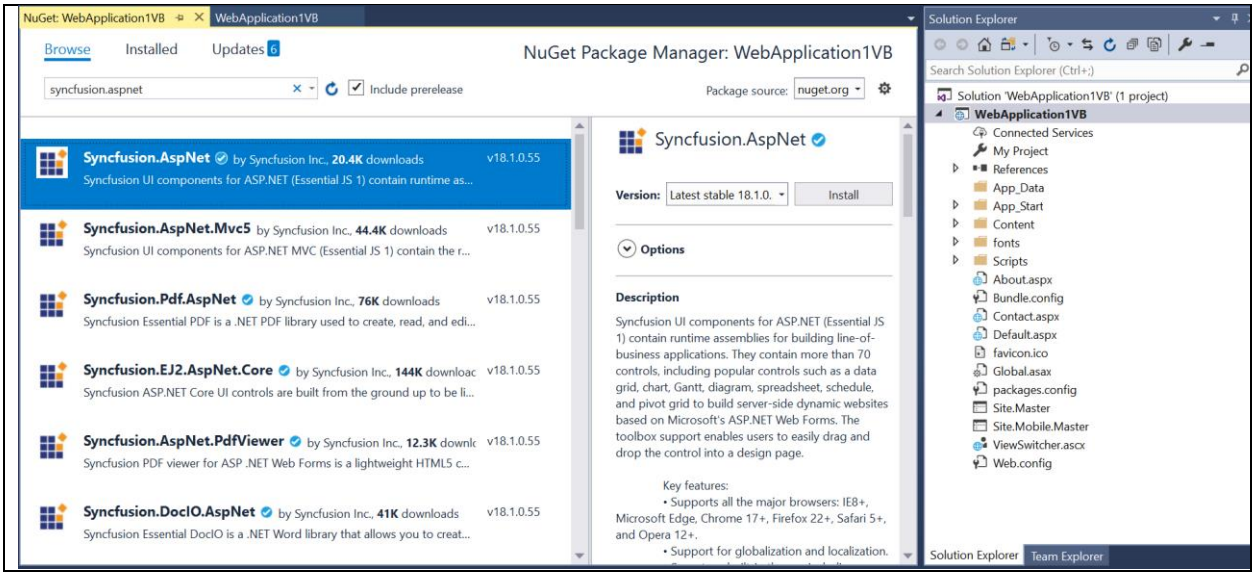
Step 5: After clicking the ok button ASP.NET Web Form Application will be created successfully.

Section 2: Adding Syncfusion controls in ASP.NET Web Forms Application.

Step 1: Right click the project it will show popup like below, then we need to select Manage NuGet packages to open the NuGet package manager. Refer the below screens shot.

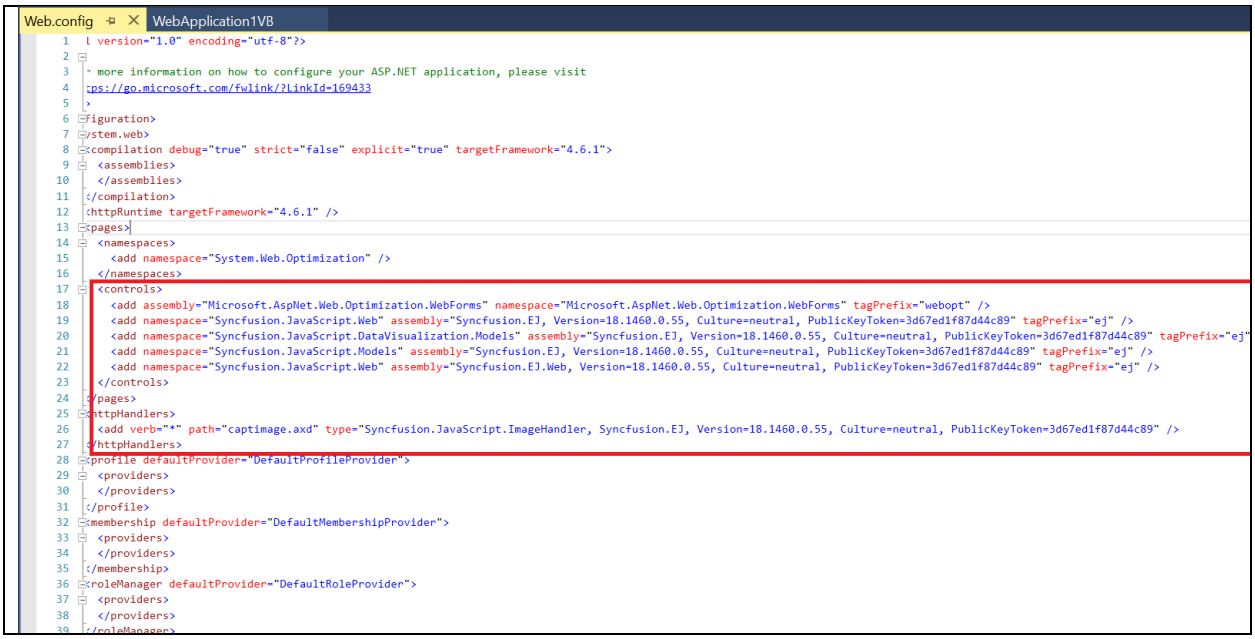


Step 2: search the **Syncfusion.AspNet** NuGet package in the browse tab. Refer the below screen shot.

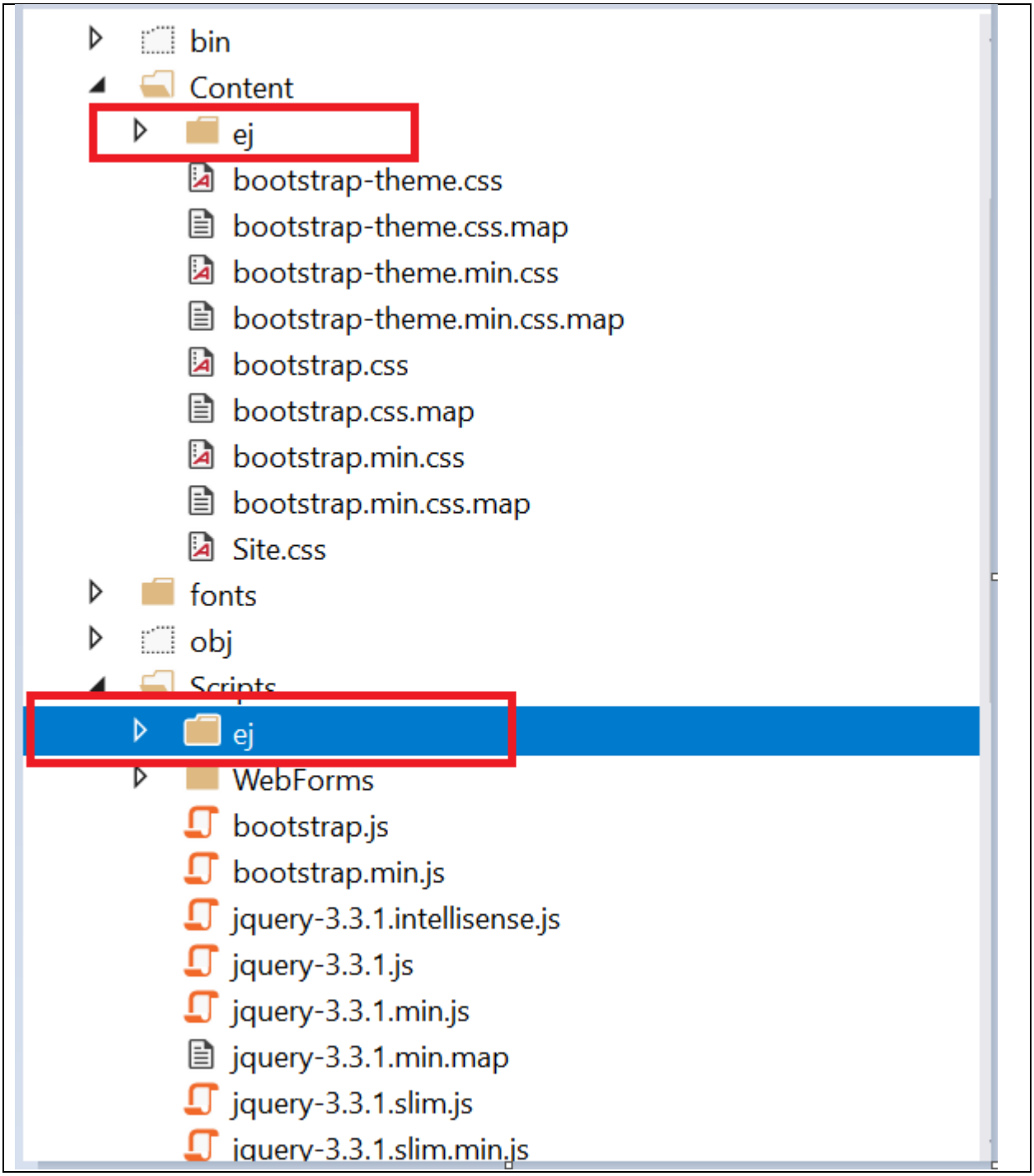


Step 3: Syncfusion.AspNet NuGet package will be appear on top. Then install the Nuget packages.

Step 4: After successful installation of NuGet packages then it will automatically add the required assembly reference in the **Web.config** file. Refer the below screen shot.



Step 5: NuGet package also it will add the styles and script files inside the **Content** and **Scripts** folder of your project. refer the below screen shot.



Step 6: Include the reference "**ej.web.all.min.css**" file in the **Site.Master** page, within the head section.

```
<link href="Content/ej/web/default-theme/ej.web.all.min.css" rel="stylesheet" />
```

Step 7: Add the required JavaScript files into your application. It requires the following mandatory common script files.

- jQuery (version supported from 1.7.1.min.js to latest jQuery version).
- jsrender.min.js

Step 8: Apart from the above common scripts, it is also necessary to refer to the **ej.web.all.min.js** file in the application that plays a major role in control creation. It also requires reference to the **ej.webform.min.js** file in your application, as it is responsible for the server-side event functionalities of the ASP.NET controls.

Step 9: The Script Manager is mandatory in order to place our control initialization script in the page. Ensure whether the **ScriptManager** is added in the **Site.Mater** or else add the ScriptManager to your web page.

```
<asp:ScriptManager runat="server">
        </asp:ScriptManager>
```

Step 10: After referring the required scripts and styles, the **Site.Master** page look like below.

```
<%@ Master Language="VB" AutoEventWireup="true" CodeBehind="Site.master.vb"
Inherits="WebApplication1VB.SiteMaster" %>

<!DOCTYPE html>

<html lang="en">
<head runat="server">
    <meta charset="utf-8" />
    <meta name="viewport" content="width=device-width, initial-scale=1.0" />
    <title><%: Page.Title %> - My ASP.NET Application</title>

    <asp:PlaceHolder runat="server">
```

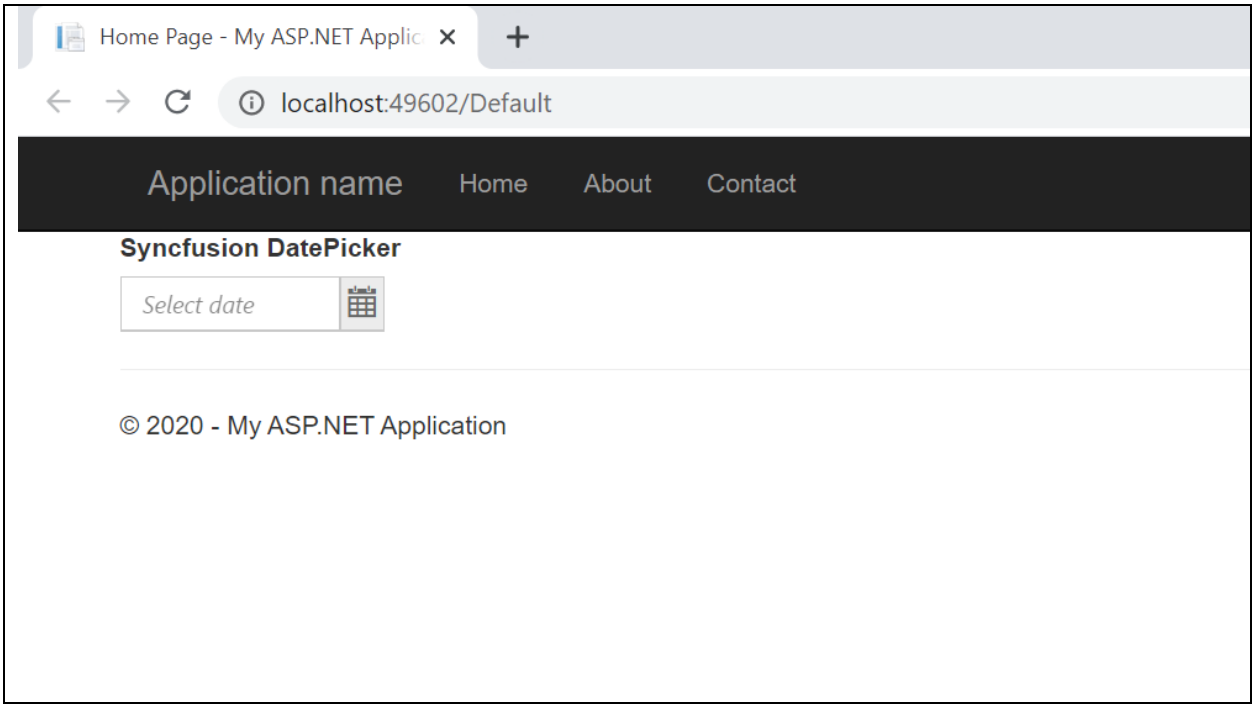
```
        <%: Scripts.Render("~/bundles/modernizr") %>
    </asp:PlaceHolder>

    <webopt:bundlereference runat="server" path="~/Content/css" />
    <link href="~/favicon.ico" rel="shortcut icon" type="image/x-icon" />
    <link href="Content/ej/web/default-theme/ej.web.all.min.css" rel="stylesheet" />
    <script src="Scripts/jquery-3.3.1.min.js"></script>
    <script src="Scripts/jsrender.min.js"></script>
    <script src="Scripts/ej/web/ej.web.all.min.js"></script>
    <script src="Scripts/ej/common/ej.webform.min.js"></script>
</head>
<body>
    <form runat="server">
        <asp:ScriptManager runat="server">
        </asp:ScriptManager>

        <div class="navbar navbar-inverse navbar-fixed-top">
            <div class="container">


...
..
            </div>
        </div>
        <div class="container body-content">
            <asp:ContentPlaceHolder ID="MainContent" runat="server">
            </asp:ContentPlaceHolder>
            <hr />
            <footer>
                <p>&copy; <%: DateTime.Now.Year %> - My ASP.NET Application</p>
            </footer>
        </div>

    </form>
</body>
</html>
```

Step 11: Add the following DatePicker code within the **Default.aspx** file.

```
<ej:DatePicker ID="DatePicker" runat="server"></ej:DatePicker>
```

Step 12: To run the application, press F5.

Output be like below.



Thus, the DatePicker control is rendered successfully with its default appearance. You can then use its various properties to set its value and make use of its available events to trigger when necessary.

Please refer the sample link:

https://www.syncfusion.com/downloads/support/directtrac/general/ze/WebApplication1VB394207481