Use the following steps to create ASPX page templates:

1. Open your Kentico web project in Visual Studio.
2. Create a new web form (*.aspx* file).
3. (Optional) Select a master page.
4. Develop the content of the page template.
   - Add any required HTML or controls into the template's markup.
   - You can execute custom code in the web form's code behind.
5. Edit the web form's code behind and make the class inherit from **CMS.UIControls.TemplatePage**.

   > ℹ️ Inheriting from *TemplatePage* allows you to use the web form as a page template in Kentico.

6. Sign in to the Kentico administration interface and open the **Page templates** application.
7. Create a **New template**.
8. Set the following values on the template's **General** tab:
   - **Template type** - *ASPX page*
   - **File name** - enter the path of the aspx file that implements the template
9. Switch to the **Sites** tab and add all websites where you wish to use the template.

Users can now create pages based on the template.

Example - Building an ASPX template

The following example demonstrates how to create a new ASPX page template. The sample template allows users to add pages with two editable regions.

Creating the web form

1. Open your web project in Visual Studio (using the **WebSite.sln** or **WebApp.sln** file).
2. Right-click the **CMSTemplates/CorporateSite** folder in the Solution Explorer and select **Add -> Add New Item**.
3. Create a new **Web Form** and enable **Select master page**.
   - Or **Web Form with Master Page** if you are using a web application project.
4. Name the file *TwoColumnTemplate.aspx*
5. Click **Add**. The **Select a Master Page** dialog opens.
6. Choose the **CMSTemplates/CorporateSite** folder and select the default **Root.master** file.
7. Click **OK**.

Writing the ASPX code

> ✅ **Adding Kentico Controls to your Visual Studio Toolbox**
>
> Before you start developing ASPX page templates, it is recommended to add the Kentico Controls to your Visual Studio Toolbox. This allows you to draganddrop the controls onto the ASPX pages.

1. Open the **Source** view of the new web form.
2. Add the following code inside the **<asp:Content>** element:

> ⚠️ **Note**: This example uses a table layout. If you prefer a CSS-based layout, replace the surrounding HTML code with *<div>* elements. You have full control over the content.

```
<table>
  <tr>
      <td style="width: 50%">
              <cms:CMSEditableRegion ID="txtLeft" runat="server" DialogHeight="
400" RegionType="HtmlEditor" RegionTitle="Left column" />
      </td>
      <td style="width: 50%">
              <cms:CMSEditableRegion ID="txtText" runat="server" DialogHeight="
400" RegionType="HtmlEditor" RegionTitle="Right column" />
      </td>
  </tr>
</table>
```

> ⓘ
> - The **<asp:Content>** control allows you to use standard ASP.NET master pages. When the system renders the page, it loads the content of the control into the assigned master page (as defined in the *Root.master* file).
> - The **CMSEditableRegion** control defines an editable region that the page displays as an HTML editor in the Kentico administration interface on the **Page** tab of the **Pages** application. On the live site, the control renders the content entered into the editor.

3. Edit the web form's code behind file (TwoColumnTemplate.aspx.cs).
4. Add a *using* statement for the **CMS.UIControls** namespace:

```
using CMS.UIControls;
```

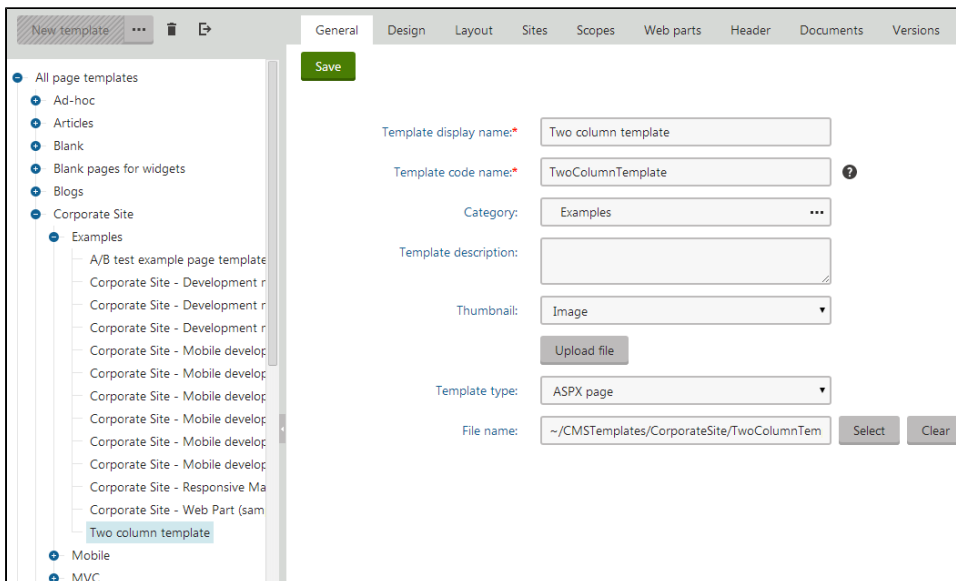5. Modify the class declaration so that the web form inherits from **TemplatePage**:

```
public partial class CMSTemplates_CorporateSite_TwoColumnTemplate : TemplatePage
```

6. Save the web form's files.

Registering the web form as a page template

Now you need to register the web form as a page template in Kentico.

1. Sign in to the administration interface and open the **Page templates** application.
2. Select the **Corporate Site/Examples** category.
3. Click **New template**.
4. Type *Two column template* into the **Template display name** field.
5. Click **Save**.
6. Set the following values on the **General** tab:
   - **Template type**: ASPX page
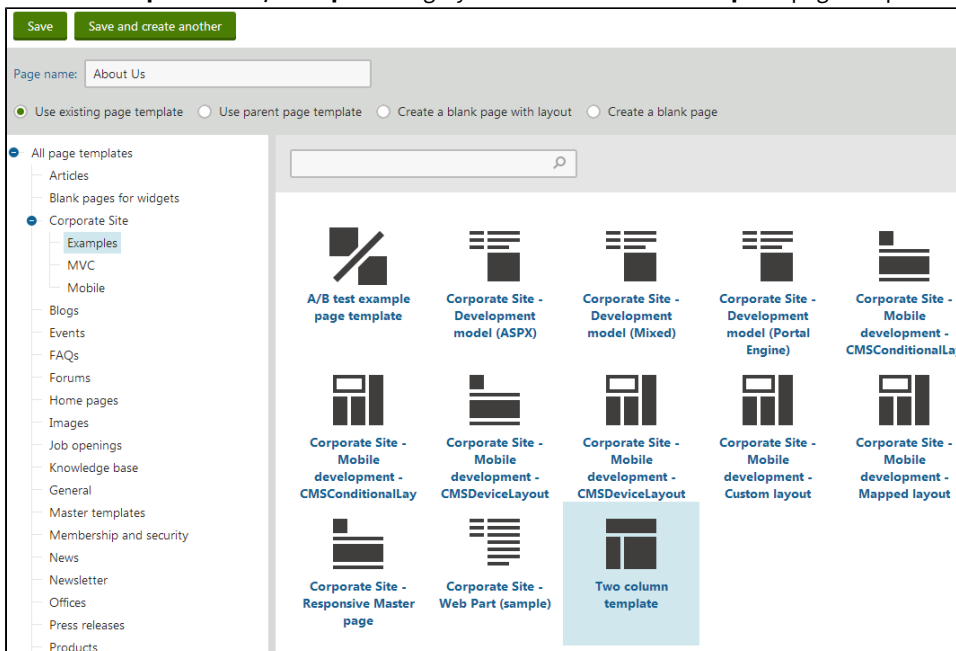   - **File name**: ~/CMSTemplates/CorporateSite/TwoColumnTemplate.aspx

7. Click **Save**.
8. Switch to the **Sites** tab.
9. Click **Add sites**.
10. Choose the sites where you wish to use the page template and click **Select**.

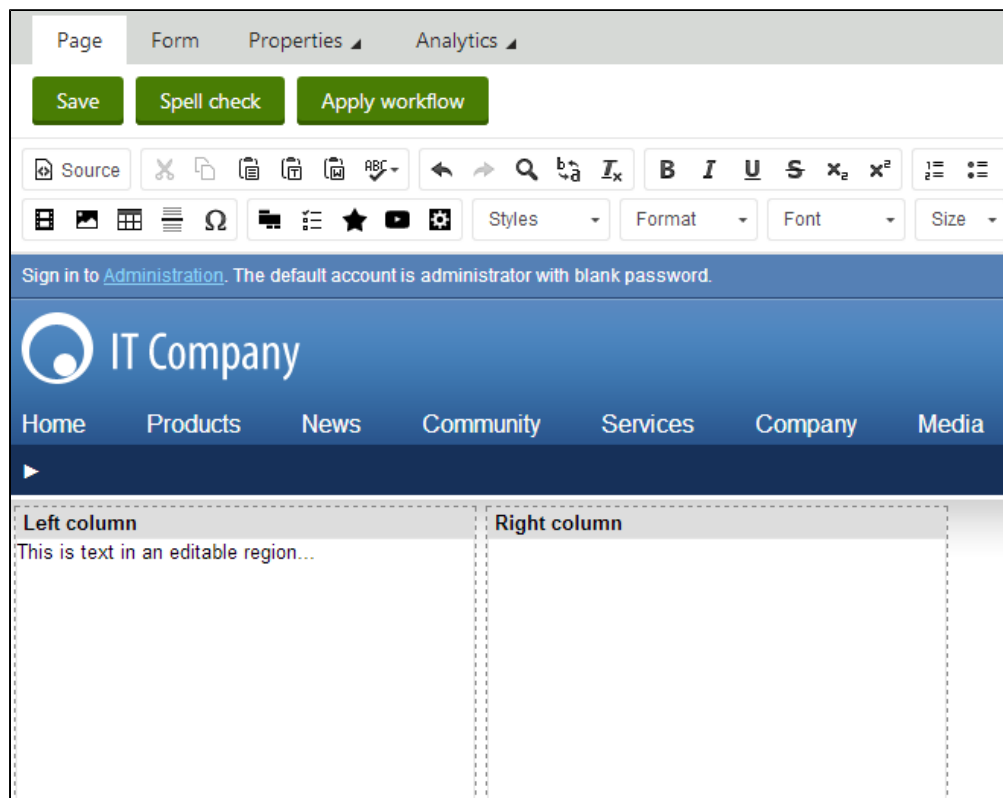## Creating a page based on the template

Content editors can now use the page template to create pages.

1. Open the **Pages** application.
2. Select **Corporate Site** (the root of the content tree).
3. Click **New** (➕) above the tree.
4. Choose the **Page (menu item)** page type.
5. Type *About Us* as the **Page name** and choose the **Use existing page template** option.
6. Select the **Corporate Site/Examples** category and the **Two column template** page template.

7. Click **Save** to create the new page.

On the **Page** tab, you can see the page and its editable regions.

You can now type in text into the regions and click **Save** to store the content of the page.