**Out of the box ASP.NET MVC supports the following 2 view engines**   
**1.** ASPX  
**2.** Razor

In addition to the above 2 view engines, there are several **custom view engines** that can be used with asp.net mvc. The following are a few of these custom view engines.  
**1.** Spark  
**2.** NHaml  
**3.** SharpDOM  
**4.** Brail etc....  
  
For example, if you want to use Spark as the view engine for your asp.net mvc 4 project, then install **Spark.Web.Mvc4** using **NuGet Package Manager**.

At this point, right click on any controller action method and select **"Add View"** from the context menu. Notice that, **"View Engine"** dropdownlist in **"Add View"** dialog box only shows - Razor and ASPX view engines. If you want the **"Spark"** view engine to be listed, then, we need to register **"Spark View Engine"** templates.   
  
**Step 1:** Navigate to the following path and create a folder with name=**"Spark"**. Spark specific templates must be copied into "Spark" folder.  
**C:\Program Files (x86)\Microsoft Visual Studio 10.0\Common7\IDE\ItemTemplates\CSharp\Web\MVC 4\CodeTemplates\AddView**  
  
**Step 2:** Create an xml file with in **"Spark"**folder. The name of the XML file must be **"ViewEngine.xml"** and must contain the following xml content.  
<?xml version="1.0" encoding="utf-8" ?>  
<ViewEngine DisplayName="Spark"   
  ViewFileExtension=".spark"   
  DefaultLayoutPage="~/Views/Shared/\_Layout.spark"   
  PartialViewFileExtension=".spark" />  
  
Now, right click on any controller action method and select "Add View" from the context menu. Notice that, "Spark" view engine is also listed