



Productivity Tips & Tricks

Visual Studio 2013

Nick Airdo

Twitter: @airdo

#citrt #RefreshCache





For fast find in file...

Highlight *then*  





For fast class find...



performs fuzzy matches on any symbol

UNDISCOVERABLE





For fast find string in solution...

Ctrl

Shift

f





Guess?

Shift

Alt

Enter

Editor in full-screen





Go to definition

F12





Peek at definition

Alt

F12





```
396
397 // Merge content and attribute fields if block is configured to do so.
398 if ( GetAttributeValue( "MergeContent" ).AsBoolean() )
399 {
400     var itemMergeFields = new Dictionary<string, object>();
401     itemMergeFields.Add( "Person", CurrentPerson );
402     globalAttributeFields.ToList().ForEach( d => itemMergeFields.Add( d.Key, d.Value ) );
403
404     foreach ( var item in currentPageContent )
405     {
406         itemMergeFields.AddOrReplace( "Item", item );
407         item.Content = item.Content.ResolveMergeFields( itemMergeFields );
408     }
409 }

648 /// <returns></returns>
649 public static string ResolveMergeFields( this string content, IDictionary<string, object> mergeObjects )
650 {
651     try
652     {
653         if (!content.HasMergeFields())
654         {
655             return content ?? string.Empty;
656         }
657
658         /// NOTE: This means that template filters will also use CSharpNamingConvention
659         /// For example the dotliquid documentation says to do this for formatting dates:
660         /// {{ some_date_value | date:"MMM dd, yyyy" }}
661         /// However, if CSharpNamingConvention is enabled, it needs to be:
662         /// {{ some_date_value | Date:"MMM dd, yyyy" }}
663         Template.NamingConvention = new DotLiquid.NamingConventions.CSharpNamingConvention();
664         Template template = Template.Parse( content );
665
666         return template.Render( Hash.FromDictionary( mergeObjects ) );
667     }
668     catch ( Exception ex )
669     {
670         return "Error resolving Liquid merge fields: " + ex.Message;
671     }
672 }
673
674 /// <summary>
675 /// Determines whether [has merge fields] [the specified content].
676 /// </summary>
677 /// <param name="content">The content.</param>
```





Wat is that method/property?

Ctrl

spacebar





Wat are those method parameters?

Ctrl

shift

spacebar





Go to line...

Ctrl

g





Ctrl

a

All time favorite... copy + paste

Ctrl

c

Ctrl

v





Move line...

Alt





To speed up system

Alt

F4

JUST JOKING!





Bonus shortcut tips

FROM THE AUDIENCE





Move cursor by whole-word





After renaming a variable – to invoke refactor

Ctrl

.





But seriously, got memory?

LEAVE IT OPEN





Debugging?

DON'T STOP
DON'T START





Sublime Text envy?

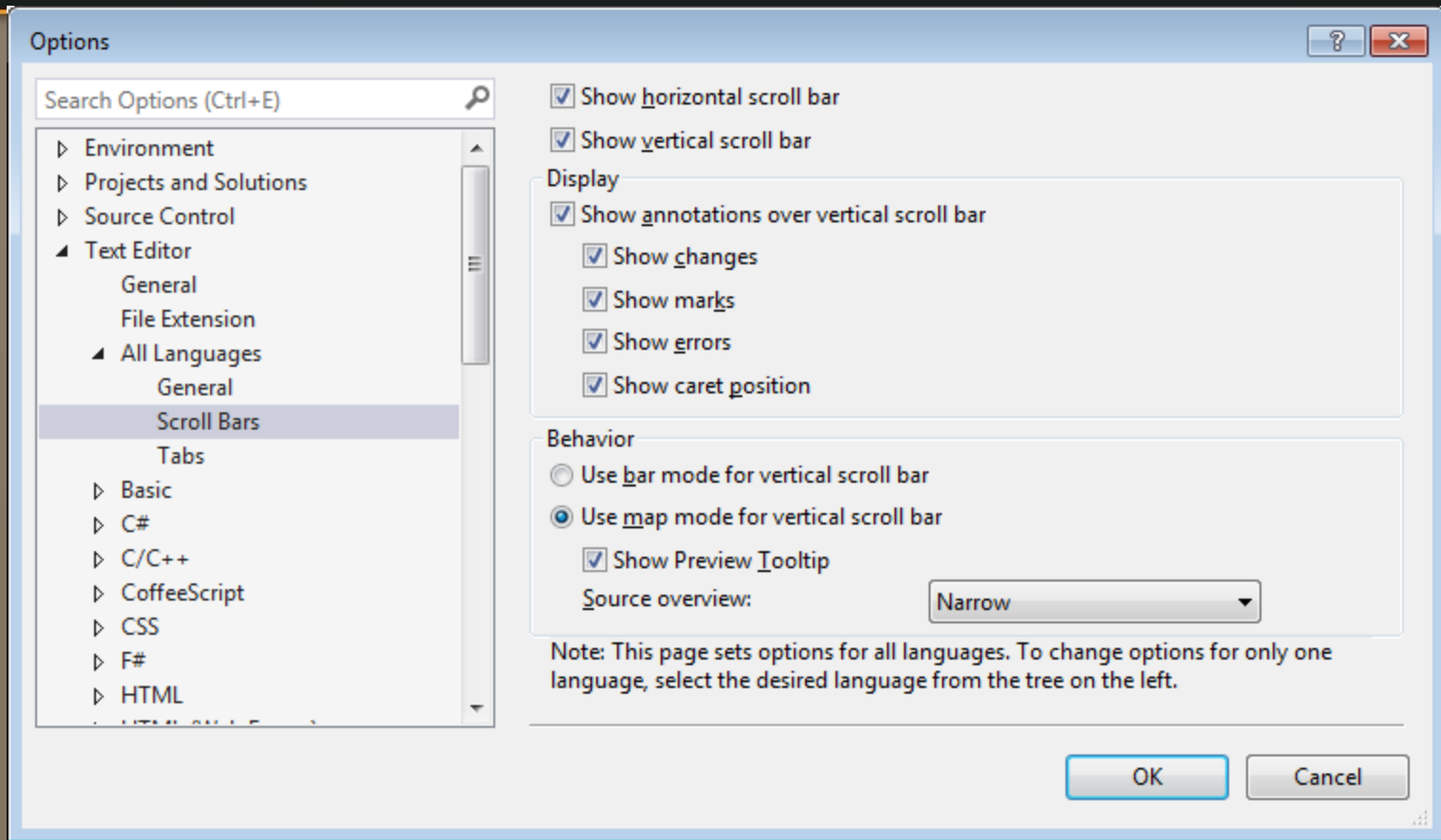
USE YOUR SCROLLBAR





```
registration.php
1 <html>
2 <head>
3 <meta http-equiv="Content-Type" content="text/html; charset=iso-8859-1" />
4 <title>Registration</title>
5 <script type="text/javascript">
6     function val()
7     {
8         var x = document.frm;
9         var filter = /^[a-zA-Z0-9_\.\\-]+\@[a-zA-Z0-9\\-]+\.[a-zA-Z0-9]{2,4}+$/;
10
11         if(x.owner_name.value=='')
12         {
13             alert("Please enter vendor name");
14             x.owner_name.focus();
15             return false;
16         }
17
18         if(x.tea_name.value=='')
19         {
20             alert("Please enter tea name");
21             x.tea_name.focus();
22             return false;
23         }
24
25         if(x.price.value=='')
26         {
27             alert("Please enter price");
28             x.price.focus();
29             return false;
30         }
31
32         if(x.tea_type.value=='')
33         {
34             alert("Please enter tea type");
35             x.tea_type.focus();
36         }
37     }
38 </script>
39 </head>
40 <body>
41     <form name="frm">
42         <input type="text" value="owner_name" />
43         <input type="text" value="tea_name" />
44         <input type="text" value="price" />
45         <input type="text" value="tea_type" />
46         <input type="button" value="Register" />
47     </form>
48 </body>
49 </html>
```



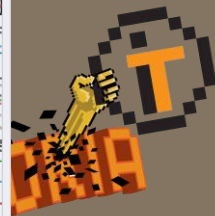


There are no usable controls in this group. Drag an item onto this text to add it to the toolbox.

```

439         globalAttributeFields.ToList().ForEach( d => debugFields.Add( d.Key, d.Value ) );
440     }
441
442     lDebug.Visible = true;
443     StringBuilder debugInfo = new StringBuilder();
444     debugInfo.Append( "<div class='alert alert-info'><h4>Debug Info</h4> " );
445     debugInfo.Append( "<p><em>Showing first 5 groups.</em></p> " );
446     debugInfo.Append( "<pre>" + debugFields.LiquidizeChildren().ToJson() + "</pre> " );
447     debugInfo.Append( "</div> " );
448     lDebug.Text = debugInfo.ToString();
449 }
450 else
451 {
452     lDebug.Visible = false;
453     lDebug.Text = string.Empty;
454 }
455
456 // set page title
457 if ( GetAttributeValue( "SetPageTitle" ).AsBoolean() && content.Count > 0 )
458 {
459     if ( string.IsNullOrEmpty( PageParameter( "Item" ) ) )
460     {
461         // set title to channel name
462         RockPage.BrowserTitle = String.Format( "{0} | {1}", content.Select( c => c.ContentChannel.Name ).FirstOrDefault(), RockPage.Site.Name );
463         RockPage.PageTitle = content.Select( c => c.ContentChannel.Name ).FirstOrDefault();
464         RockPage.Header.Title = String.Format( "{0} | {1}", content.Select( c => c.ContentChannel.Name ).FirstOrDefault(), RockPage.Site.Name );
465     }
466     else
467     {
468         RockPage.PageTitle = content.Select( c => c.Title ).FirstOrDefault();
469         RockPage.BrowserTitle = String.Format( "{0} | {1}", content.Select( c => c.Title ).FirstOrDefault(), RockPage.Site.Name );
470         RockPage.Header.Title = String.Format( "{0} | {1}", content.Select( c => c.Title ).FirstOrDefault(), RockPage.Site.Name );
471     }
472 }
473
474 // set rss auto discover link
475 if ( GetAttributeValue( "RssAutodiscover" ).AsBoolean() && content.Count > 0 )
476 {
477     //<link rel="alternate" type="application/rss+xml" title="RSS Feed for petefreitag.com" href="/rss/" />
478     HtmlLink rssLink = new HtmlLink();
479     rssLink.Attributes.Add( "type", "application/rss+xml" );
480     rssLink.Attributes.Add( "rel", "alternate" );
481     rssLink.Attributes.Add( "title", content.Select( c => c.ContentChannel.Name ).FirstOrDefault() );
482     rssLink.Attributes.Add( "href", content.Select( c => c.ContentChannel.ChannelUrl ).FirstOrDefault() );
483     RockPage.Header.Controls.Add( rssLink );
484 }
485
486 // set description meta tag

```

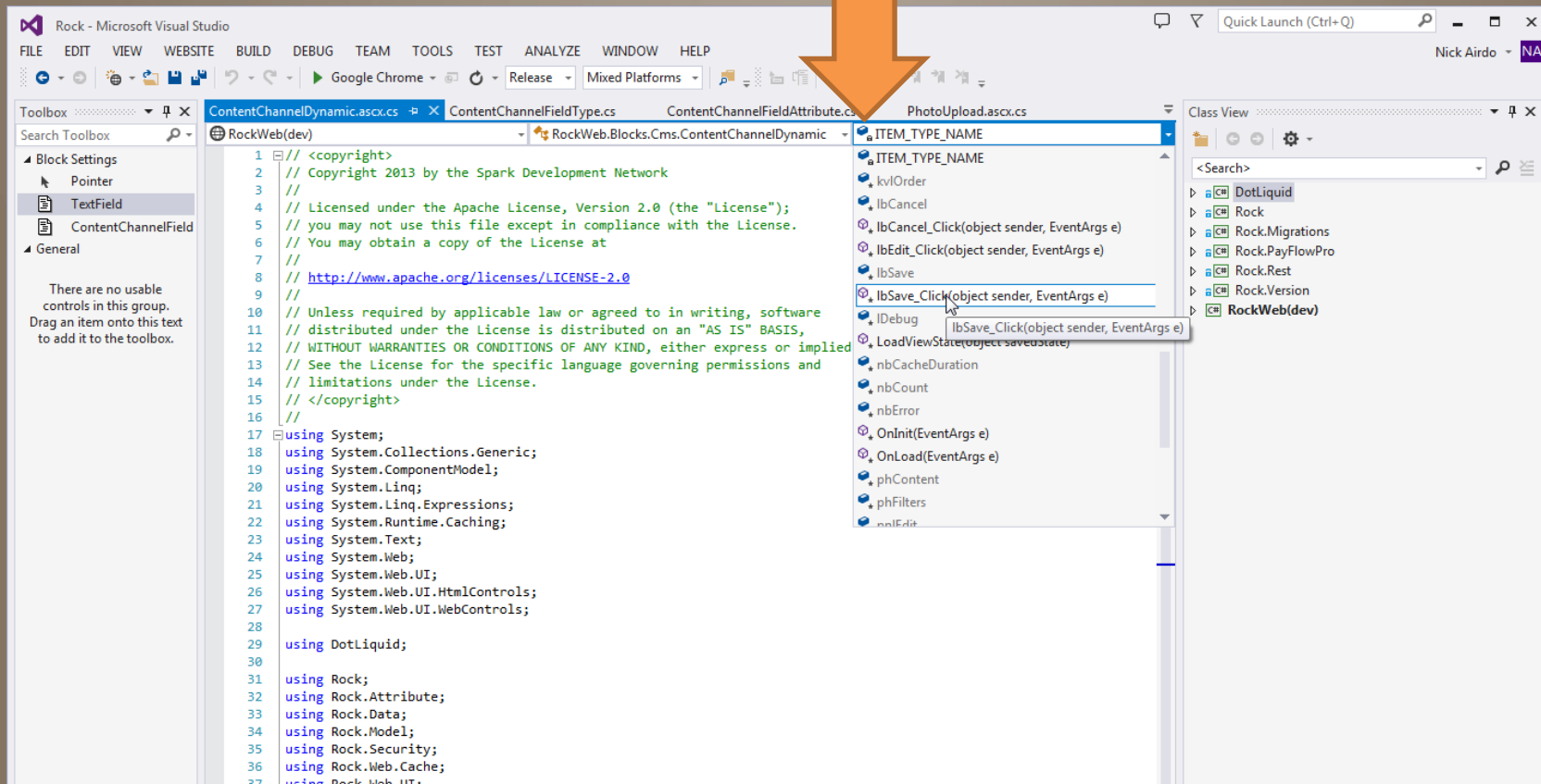




Go to method?

DROPDOWN NAV







Snip snip snip

**CODE SNIPPETS, FOR QUICK
CONTENT**





Create a .snippet file

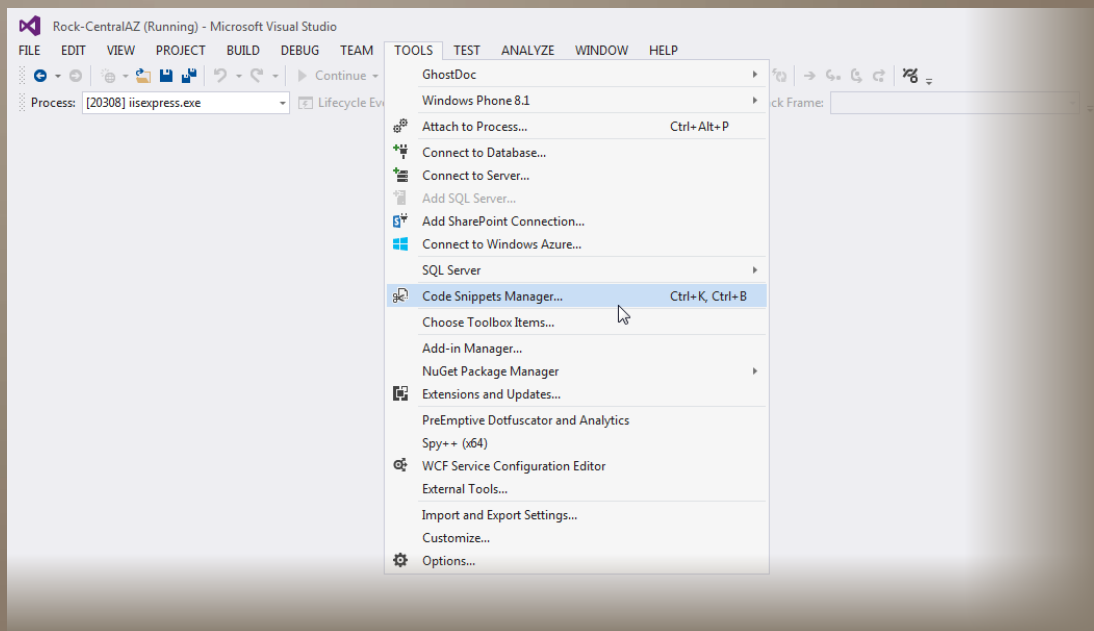
```
<?xml version="1.0" encoding="utf-8"?>
<CodeSnippets xmlns="http://schemas.microsoft.com/VisualStudio/CodeSnippet">
  <CodeSnippet Format="1.0.0">
    <Header>
      <Title>TextField</Title>
      <Author>Nick Airdo</Author>
      <Description>A simple textbox field for a block.</Description>
      <Shortcut>textfield</Shortcut>
    </Header>
    <Snippet>
      <Declarations>
        <Literal>
          <ID>SettingName</ID>
          <ToolTip>Replace with the name you want your block setting to have. The key will be the name with the spaces removed.</ToolTip>
          <Default>My Setting Name</Default>
        </Literal>
        ...
      </Declarations>
      <Code Language="CSharp">
        <![CDATA[
          [TextField( "$SettingName$", "$Description$", $IsRequired$, "$DefaultValue$", "$Category$", $Order$ )]
        ]]>
      </Code>
    </Snippet>
  </CodeSnippet>
</CodeSnippets>
```





Code Snippets Manager

- Tools >
Code Snippets
Manager...

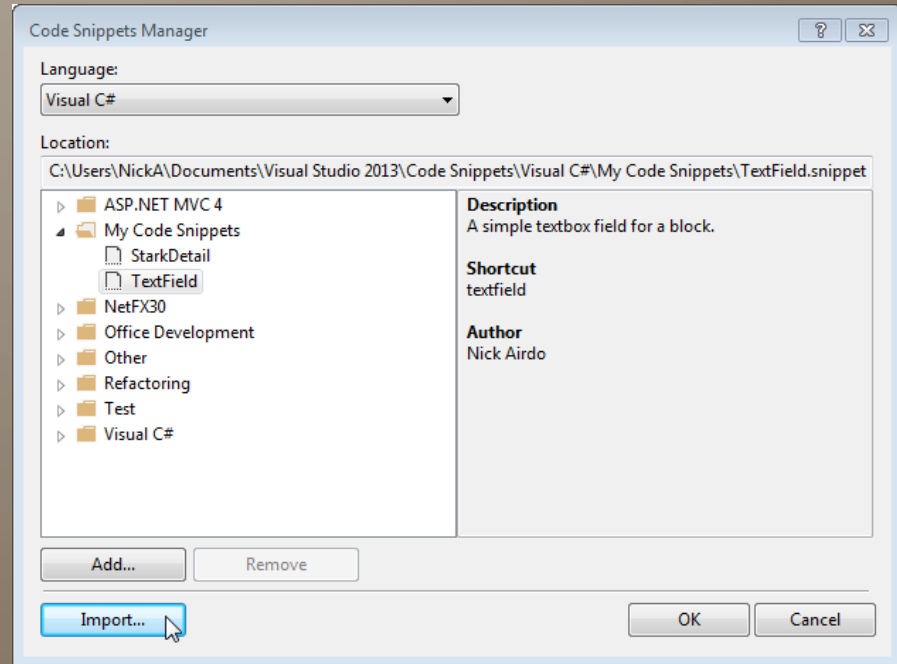


PEDIA



Import

- Select the right language and then press Import...
- Then find your snippets file





```
namespace RockWeb.Blocks.Cms
```

```
{  
    /// <summary>  
    /// Block to display content items, html, xml, or transformed xml based on a SQL query or stored procedure.  
    /// </summary>  
    [DisplayName( "Content Channel Dynamic" )]  
    [Category( "CMS" )]  
    [Description( "Block to display dynamic content channel items." )]
```

```
    [TextField( "My Setting Name", "blah blah blah. (default is blah)", false, "", "", 0 )]
```

Replace with the name you want your block setting to have. The key will be the name with the spaces removed.

```
public partial class ContentChannelDynamic : RockBlock
```

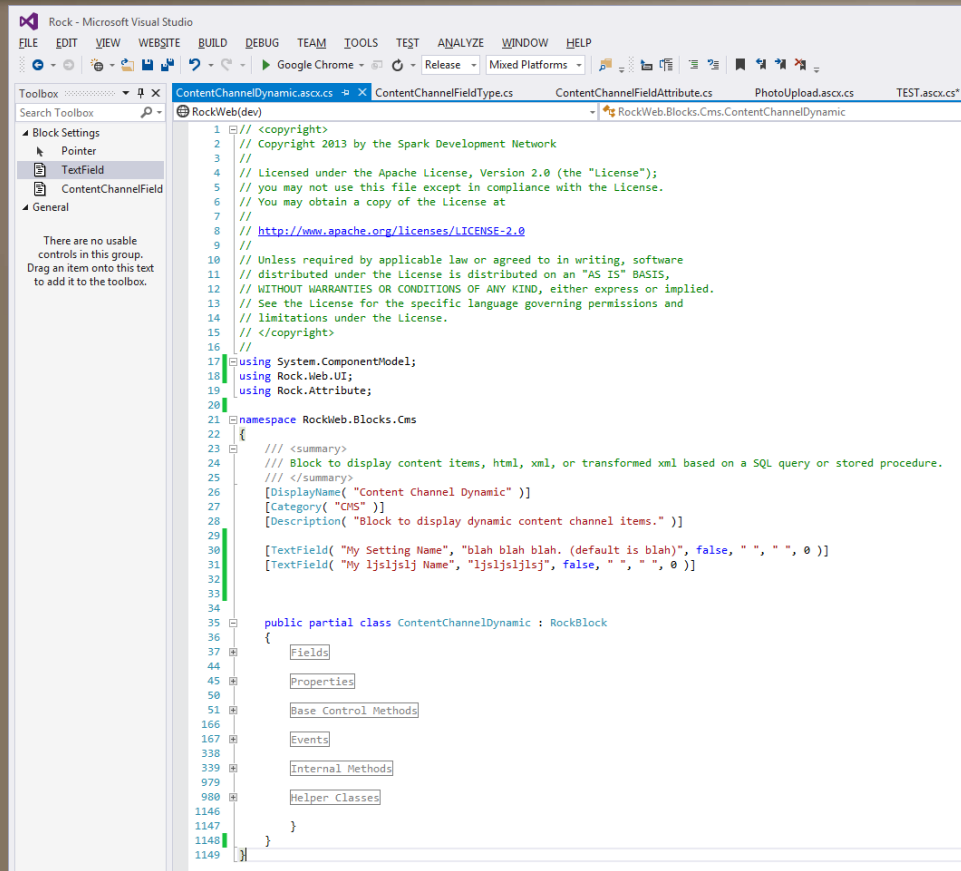
```
{  
    Fields  
  
    Properties  
  
    Base Control Methods  
  
    Events  
  
    Internal Methods  
  
    Helper Classes
```

```
    }  
}
```





Toolbox



- Drag and drop simplicity





WebSite, WebSite(1), WebSite(2), WebSite(3)...

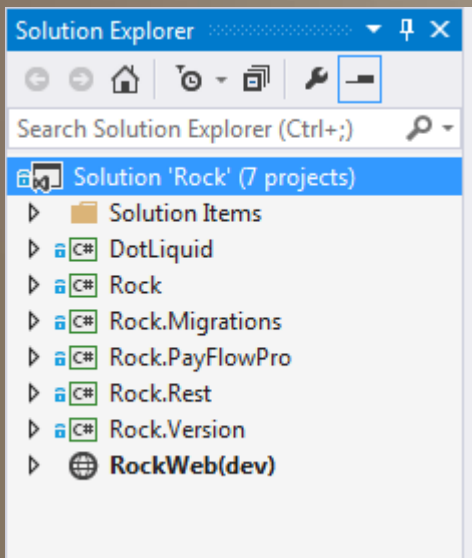
**HAVE A LOT OF WEBSITES?
RENAME THEM.**





applicationhost.config

- C:\Users\{Name}\Documents\IISExpress\config



```
<site name="RockWeb(dev)" id="2">
  <application path="/" applicationPool="Clr4IntegratedAppPool">
    <virtualDirectory path="/" physicalPath="D:\Misc\Rock\RockWeb" />
  </application>
  <bindings>
    <binding protocol="http" bindingInformation="*:6229:localhost" />
  </bindings>
</site>
<site name="RockWeb(SparkSite)" id="4">
  <application path="/" applicationPool="Clr4IntegratedAppPool">
    <virtualDirectory path="/" physicalPath="D:\Misc\Rock-SparkSite\Rock-
SparkSite\RockWeb" />
  </application>
  <bindings>
    <binding protocol="http" bindingInformation="*:57822:localhost" />
  </bindings>
</site>
```

