

Thing > CreativeWork > Code

Computer programming source code. Example: Full (compile ready) solutions, code snippet samples, scripts, templates.

Property	Expected Type	Description
Properties from Thing		
<code>description</code>	Text	A short description of the item.
<code>image</code>	URL	URL of an image of the item.
<code>name</code>	Text	The name of the item.
<code>url</code>	URL	URL of the item.
Properties from CreativeWork		
<code>about</code>	URL	Anchor link to subject matter definition of the content / reference article for the given product / technology category / Scenario / reference to code.
<code>accountablePerson</code>	Person	Specifies the Person that is legally accountable for the CreativeWork.
<code>aggregateRating</code>	AggregateRating	The overall rating, based on a collection of reviews or ratings, of the item.
<code>alternativeHeadline</code>	Text	A secondary title of the CreativeWork.
<code>associatedMedia</code>	MediaObject	The media objects that encode this creative work. This property is a synonym for encodings.
<code>audio</code>	AudioObject	An embedded audio object.

<code>author</code>	Person or Organization	The author of this content. Please note that author is special in that HTML 5 provides a special mechanism for indicating authorship via the rel tag. That is equivalent to this and may be used interchangeably.
<code>awards</code>	Text	Awards won by this person or for this creative work.
<code>comment</code>	UserComments	Comments, typically from users, on this CreativeWork.
<code>contentLocation</code>	Place	The location of the content.
<code>contentRating</code>	Text	Official rating of a piece of content—for example,'MPAA PG-13'.
<code>contributor</code>	Person or Organization	A secondary contributor to the CreativeWork.
<code>copyrightHolder</code>	Person or Organization	The party holding the legal copyright to the CreativeWork.
<code>copyrightYear</code>	Number	The year during which the claimed copyright for the CreativeWork was first asserted.
<code>creator</code>	Person or Organization	The creator/author of this CreativeWork or UserComments. This is the same as the Author property for CreativeWork.
<code>dateCreated</code>	Date	The date on which the CreativeWork was created.
<code>dateModified</code>	Date	The date on which the CreativeWork was most recently modified.
<code>datePublished</code>	Date	Date of first broadcast/publication.
<code>discussionUrl</code>	URL	A link to the page containing the comments of the

		CreativeWork.
editor	Person	Specifies the Person who edited the CreativeWork.
encodings	MediaObject	The media objects that encode this creative work
genre	Text	Genre of the creative work
headline	Text	Headline of the article
inLanguage	Text	The language of the content. please use one of the language codes from the IETF BCP 47 standard .
interactionCount	Text	A count of a specific user interactions with this item—for example, 20 <code>UserLikes</code> , 5 <code>UserComments</code> , or 300 <code>UserDownloads</code> . The user interaction type should be one of the sub types of UserInteraction .
isFamilyFriendly	Boolean	Indicates whether this content is family friendly.
keywords	Text	The keywords/tags used to describe this content.
mentions	Thing	Indicates that the CreativeWork contains a reference to, but is not necessarily about a concept.
offers	Offer	An offer to sell this item—for example, an offer to sell a product, the DVD of a movie, or tickets to an event.
provider	Person or Organization	Specifies the Person or Organization that distributed the CreativeWork.
publisher	Organization	The publisher of the creative work.
publishingPrinciples	URL	Link to page describing the editorial principles of the organization primarily responsible for the creation of the CreativeWork.

<code>reviews</code>	Review	Review of the item.
<code>sourceOrganization</code>	Organization	The Organization on whose behalf the creator was working.
<code>thumbnailUrl</code>	URL	A thumbnail image relevant to the Thing.
<code>version</code>	Number	The version of the CreativeWork embodied by a specified resource.
<code>video</code>	VideoObject	An embedded video object.
Properties from Code		
<code>codeRepository</code>	URL	Link to the repository where the un-compiled, human readable code and related code is located (SVN, github, CodePlex)
<code>sampleType</code>	Text	Full (compile ready) solution, code snippet, inline code, scripts, template
<code>programmingLanguage</code>	Thing	The computer programming language.
<code>runtime</code>	Text	Runtime platform or script interpreter dependencies (Example – Java v1, Python2.3, .Net Framework 3.0)
<code>targetProduct</code>	SoftwareApplication	Target Operating System / Product to which the code applies. If applies to several versions, just the product name can be used.

Code Example:

```
<div itemscope itemtype="http://schema.org/Code">
  <meta itemprop="Url" content="http://code.msdn.microsoft.com/Web-Authentication-
d0485122/view/SourceCode#content" />
  <meta itemprop="targetProduct" content="Windows 8 Consumer Preview" />
```

```

<meta itemprop="targetProduct" content="Windows Server 8 Beta" />
<meta itemprop="runtime" content=".Net Framework 4.5" />
<h1 itemprop="name" class="projectTitle">Web authentication broker sample</h1>
<h2 itemprop="description" class="projectSummary">Demonstrates the web authentication
broker WinRT API to enable single sign on (SSO) connections to OAuth providers like
Facebook, Flickr, Google, Live, and Twitter.</h2>

<div class="itemBar">
  <label for="LastUpdated">
    LAST UPDATED
  </label>
  <span id="LastUpdated" itemprop="dateModified">
    3/21/2012
  </span>
</div>

<div class="itemBarLong tagsContainer">
  <label for="Technologies">Technologies</label>
  <div id="Technologies" itemprop="keywords">
    <a
href="/site/search?f%5B0%5D.Type=Technology&f%5B0%5D.Value=XAML&f%5B0%5D.Text=XAM
L">XAML</a>, <a
href="/site/search?f%5B0%5D.Type=Technology&f%5B0%5D.Value=HTML5&f%5B0%5D.Text=HT
ML5">HTML5</a>
  </div>
</div>
<div class="itemBarLong tagsContainer">
  <label for="Topics">Topics</label>
  <div id="Topics" itemprop="keywords">
    <a
href="/site/search?f%5B0%5D.Type=Topic&f%5B0%5D.Value=Security&f%5B0%5D.Text=Secu
rity">Security</a>, <a
href="/site/search?f%5B0%5D.Type=Topic&f%5B0%5D.Value=Networking&f%5B0%5D.Text=Ne
tworking">Networking</a>
  </div>
</div>

<span itemprop="about" itemscope itemtype="http://schema.org/CreativeWork">
  <meta itemprop="name" content="Metro style app development"/>
  <meta itemprop="url" content="http://msdn.microsoft.com/en-us/windows/apps"/>
</span>
</div>

<div itemscope itemtype="http://schema.org/Code">
  <meta itemprop="codeRepository" content=" http://code.msdn.microsoft.com/Web-
Authentication-d0485122/view/SourceCode" />
  <meta itemprop="sampleType" content="Visual Studio solution(SLN)" />
</div>

<div id="ReviewValue" itemprop="aggregateRating" itemscope
itemtype="http://schema.org/AggregateRating">
  <span>
    <meta itemprop="ratingValue" content="4.3" />
    <meta itemprop="reviewCount" content="10" />
  </span>
</div>

```