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Additional Elements

Class Attribute

- Used for identifying a group of elements
- An element can have multiple classes assigned

```
<p class="important">For a one-year period from November 2010, the Marugame  
  Genichiro-Inokuma Museum of Contemporary Art (MIMOCA) will host  
  a cycle of four Hiroshi Sugimoto exhibitions.  
</p>
```

```
<p class="important admittance">Hours: 10:00 – 18:00 (No admittance after 17:30)</p>
```

Inline VS Block Elements

- Type of element based on where it is shown on page
 - Block element (new line)
 - Inline element (same line)
- Some of block elements
 - `<h1>`, `<p>`, ``, ``, `<form>`, `<div>`...
- Some of inline elements
 - `<a>`, ``, ``, `<i>`, ``...



Element Grouping

- `<div>`
- Block element
- Wrapper/element's parent

```
<div id="header">  
    
  <ul>  
    <li><a href="index.html">Home</a></li>  
    <li><a href="biography.html">Biography</a></li>  
    <li><a href="works.html">Patents</a></li>  
  </ul>  
</div><!-- end of header -->
```

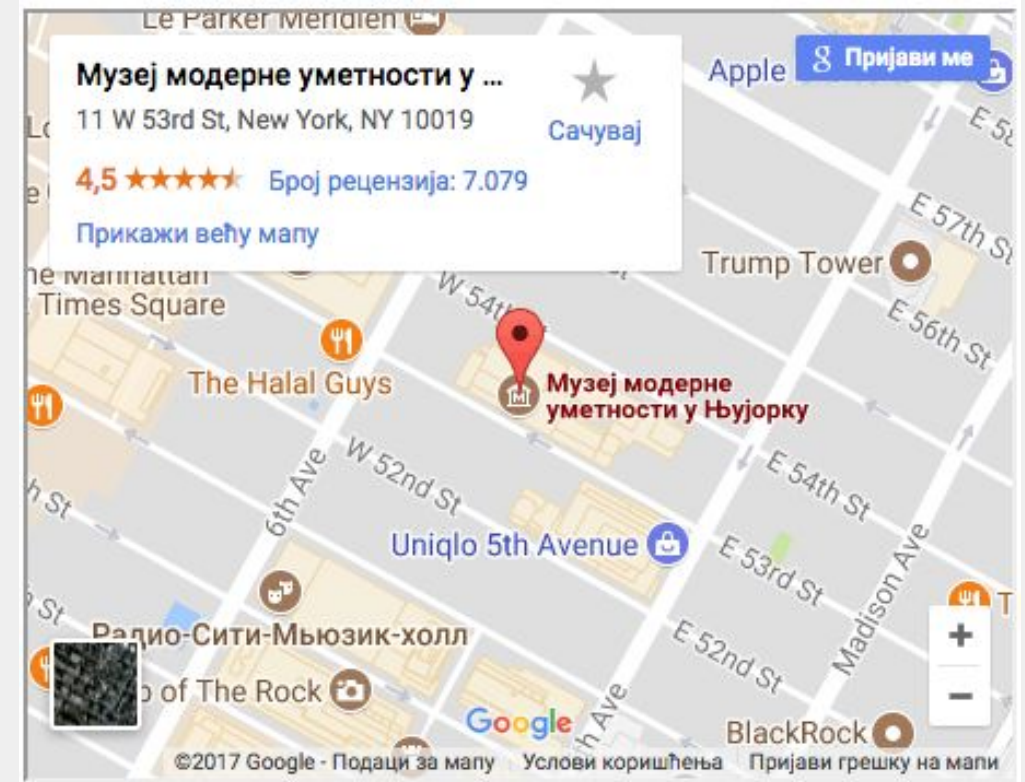
```
<p>The IEEE <span class="scientist">Nikola Tesla Award</span> was established  
  in 1975 through an agreement between the IEEE Power Engineering Society and  
  the IEEE Board of Directors.  
</p>
```



- [Home](#)
- [Biography](#)
- [Patents](#)

IFRAMES

- Acts like a little window that has been included into your page
- `<iframe>`
- Common attributes
 - Src – page that should be displayed
 - Width – width of the iframe window
 - Height – height of the iframe window



```
<iframe
  width="450"
  height="350"
  src="http://maps.google.co.uk/maps?q=moma+new+york&output=embed"
></iframe>
```

Meta Elements

- <meta> element
- Placed inside the <head> element
- Used for providing additional info about the page
 - Keywords
 - Description
 - Author...
- Not visible in the browser

```
<meta name="keywords" content="HTML, CSS, JavaScript">  
<meta name="description" content="Tutorials on HTML and CSS">  
<meta name="author" content="BIT">
```

Escape Characters

- Some characters are reserved by HTML code (<, >...)
- Escape code/characters
- Also used for showing special symbols

<	Less-than sign < <	¢	Cent sign ¢ ¢	‘	Left single quote &lquo; ‘
>	Greater-than sign > &	£	Pound sign £ £	’	Right single quote ’ ’
&	Ampersand & &	¥	Yen sign ¥ ¥	“	Left double quotes &lquo; “
"	Quotation mark " "	€	Euro sign € €	”	Right double quotes ” ”

Video

- Native HTML5 video player
- `<video>` element
- Can have multiple `<source>` elements
- If not supported, text will be displayed

```
<video src="foo.mp4" width="300" height="200" controls>  
  Your browser does not support the video element.  
</video>
```

```
<video width="300" height="200" controls autoplay>  
  <source src="/html5/foo.ogg" type="video/ogg" />  
  <source src="/html5/foo.mp4" type="video/mp4" />  
  Your browser does not support the video element  
</video>
```



Audio

- Native HTML5 audio player
- `<audio>` element
- Can have multiple `<source>` elements
- If element is not supported, text will be displayed

```
<audio src="foo.wav" controls autoplay>  
  Your browser does not support the audio element.  
</audio>
```

```
<audio controls autoplay>  
  <source src="/html5/audio.ogg" type="audio/ogg" />  
  <source src="/html5/audio.wav" type="audio/wav" />  
  Your browser does not support the audio element.  
</audio>
```



Summary

- The **id** and **class** attributes allow you to identify particular elements.
- The **<div>** and **** elements allow you to group block-level and inline elements together.
- **<iframes>** include windows into your web page through which other pages can be displayed.
- The **<meta>** tag allows you to supply all kinds of information about your web page.
- Escape characters are used to include special characters in your pages such as **<**, **>**, and **©**.

References

- HTML escape codes - <https://goo.gl/VUkXzn>
- Characters codes - <https://goo.gl/K3qve2>
- Video/Audio - <https://goo.gl/fqvNsE>