

Semantic Markup

Jesse Liberty

<http://JesseLiberty.com>

@JesseLiberty



Semantic Markup

- What is “Semantic” markup
- Elements that have been added
- Elements that have been changed
- Elements that have been deprecated

Getting Going

- Doctype greatly simplified



```
<DOCTYPE html>
```

Structural Elements

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Structural Elements

- `<header>`
- `<hgroup>`
- `<footer>`
- `<article>`
- `<section>`
- `<aside>`
- `<nav>`

<header> & <hgroup>

- Header typically first element on page
- Fat header? Use hgroup
- Header can be in Sections as well

```
<hgroup>  
  <header>  
    <h1>The Matrix</h1>  
    <h2>Beyond Science Fiction</h2>  
  </header>  
</hgroup>
```

<header> & <footer>

- **Nearest ancestor sectioning content**
- **More than one per page**
- **Contains**
 - Info about the section
 - Who wrote it
 - Copyright
 - Etc.

<article>

- **Self-contained document, page, etc.**
- **In theory, could be independently distributed**
 - Forum post
 - Blog post
 - Article
 - Individual email
 - Comments

<section>

- Sections page into subject areas
- Sections an article
- Does not create a stand alone document

```
<article>
<h1>The Matrix</h1>

<section>
  <h2>The story</h2>
  <p>A man discovers....</p>
</section>

<section>
  <h2>The Philosophy</h2>
  <p> The underlying theory of The Matrix is...</p>
</section>
</article>
```

<aside>

- **Sidebars**
- **Nav sections**
- **Pull quotes**

<nav>

- Used to mark navigation sections
- Not
 - Every link
 - List of sponsored links
 - Search results

“Primarily intended for sections that consist of major navigation links.”

Additional Elements

Mark

Time

<mark>

- Used to highlight a section of text

“When used in the main prose of a document, it indicates a part of the document that has been highlighted due to its likely relevance to the user’s current activity”

<time>

- Used to demark time
- Used to provide unambiguous date/time in universal format

`<time datetime=2013-07-10T13:30-05:00>1:30 pm
on July 10, 2013</time>`

Changed Elements

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Changed Elements

- `<address>`
- `<cite>`
- `<dl>`
- ``
- `<hr>`
- ``
- `<s>`
- `<small>`
- ``
- `<u>`

<address>

- For contact details of the author *not* for postal addresses
- New: multiple in one document – one for each <article>
- Can be email, postal, or any other address

```
<address>  
Jesse Liberty <br />  
@JesseLiberty <br />  
jesseliberty@gmail.com <br />  
</address>
```

<cite>

- Technically, no longer used to mark up a name of a speaker
- Controversial

The <cite>Rev. Dr. Martin Luther King, Jr.</cite> said, “I have a dream”

<dl>

- Now expended to cover any name/value groups

```
<dl>  
  <dt>Moby Dick</dt>  
  <dd>Herman Mellivelle</dd>  
  <dt> Darwin's Dangreros Idea</dt>  
  <dd>Daniel C. Dennett</dd>  
</dl>
```

 & <i>

- Use when you are subtly changing the meaning of a statement
- Use <i> when you want a technical term, a ship name, a thought, or some other prose “whose typical typographic presentation is italicized”

“No, my name is “Liberty” but that is a <i>Liberty ship </i>

<hr>

- **Used to indicate a paragraph level thematic break**
- **Almost, but not quite, obsolete**
- **Used to create a horizontal rule**

- **You can now use start in the ol header**
 - <ol start = 5>
- **Reversed reverses the count**
 - NB: Not yet implemented in any browser!

<S>

- **Was used to indicate a strike through**
- **Still used to indicate content that is**
 - no longer accurate
 - no longer relevant

<small>

- No longer means make the print small
- Now used for “small print” as in legal documents

- **** indicates importance
- **** indicates bold without indicating importance

The **** element “represents a span of text in which attention is being drawn for utilitarian purposes without conveying any extra importance and with no implication of an alternative voice or mood...”

Summary

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Summary

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