# **Semantic Markup**

Jesse Liberty
<a href="http://JesseLiberty.com">http://JesseLiberty.com</a>
@JesseLiberty

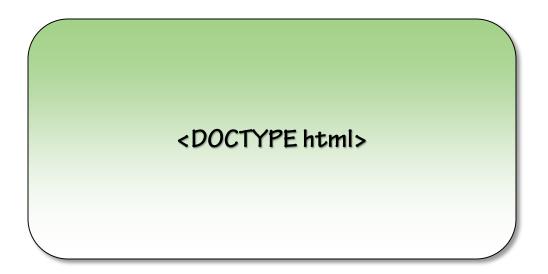


## **Semantic Markup**

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

## **Getting Going**

Doctype greatly simplified



## **Structural Elements**

Jesse Liberty
<a href="http://JesseLiberty.com">http://JesseLiberty.com</a>
@JesseLiberty



### **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>
 A man discovers....
</section>
<section>
 <h2>The Philosophy</h2>
   The underlying theory of The Matrix is...
</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

# **Changed Elements**

Jesse Liberty
<a href="http://JesseLiberty.com">http://JesseLiberty.com</a>
@JesseLiberty



## **Changed Elements**

- <address>
- <cite>
- <dl>
- <em>
- <hr>
- <s>
- <small>
- <strong>
- <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 Dangrerous Idea</dt>
 <dd>Daniel C. Dennett</dd>
</dl>
```

### <em> & <i>

- Use <em> 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 <em>name</em> 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
  - □
- 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

### <strong>

- <strong> indicates importance
- <b> indicates bold without indicating importance

The <b> 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**

Jesse Liberty
<a href="http://JesseLiberty.com">http://JesseLiberty.com</a>
@JesseLiberty



## **Summary**

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