

The New Web: HTML 5 & CSS3

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WHATWG?

Web Hypertext Application Technology Working Group

XHTML charter ends at end of 2009.

Group will focus on HTML 5.

<http://whatwg.org/html5>

What is HTML 5?

In Scope

Semantic Structural Tags

API Specs

Offline Storage

New DOCTYPE

Canvas Tag

Drag and Drop

Out of Scope

Video

New DOCTYPE

Current “Simple” DOCTYPE

```
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"  
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">
```

HTML 5 DOCTYPE

```
<!DOCTYPE html>
```

API's

Geolocation

Forms 2

Datagrid

Offline Storage

Supported by:

Firefox 2+, IE8, Safari, Chrome Nightly Builds

[iPhone Gmail Offline Demo](#)

Video

```
<video
```

```
src="http://www.ananova.com/about/  
vap_windows_check.wmv">
```

```
your browser does not support the video tag  
</video>
```

Common video codec has been deprecated due to pressure from Apple and Nokia.

Firefox update today: <http://en-us.www.mozilla.com/en-US/firefox/3.5.2/whatsnew/>

Structural “Semantic” Tags

<code><header></code>	Generally, if you use <code><div id=“header”></code> you can replace that with <code><header></code> .
<code><nav></code>	
<code><section></code>	Can be used now.
<code><article></code>	Style=“display: block;”
<code><aside></code>	
<code><footer></code>	Tags can be nested

Header

Nav

Section

Article

Aside

Footer

Nav

Article

Aside

Footer

Footer

Browser Compatibility

Opera is class leader.

- The Canvas element
- contentEditable
- Cross-document messaging
- Element.tabindex attribute and the Element, {blur, focus} methods
- getElementsByClassName
- Embed and Video
- Navigator.onLine attribute and the Window, {online,offline} events
- Server-sent events
- Web Forms 2.0

Browser Compatibility

“Fix” IE6

```
<script>  
  document.createElement('header');  
  document.createElement('nav');  
  document.createElement('section');  
  document.createElement('article');  
  document.createElement('aside');  
  document.createElement('footer');  
</script>
```

Is it safe?

CSS3

Everything you needed to know about CSS3

<http://www.css3.info/>

<http://www.css3.info/preview/>

Is it safe?

No

Questions?

google it