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### 1 – Reserved Words (Total 32 New HTML5 Tags) :

---

<canvas>	<audio>	<video>	<source>
<track>	<embed>	<datalist>	<keygen>
<output>	<header>	<nav>	<section>
<main>	<article>	<aside>	<footer>
<details>	<summary>	<figure>	<figcaption>
<mark>	<time>	<bdi>	<wbr>
<dialog>	<command>	<meter>	<progress>
<ruby>	<rt>	<rp>	

---

### 2 – Old Tags (Total 88 HTML4 Tags) :

---

<!--...-->	<!DOCTYPE>	<a>	<abbr>
<acronym>	<address>	<applet>	<area>
<b>	<base>	<basefont>	<bdo>
<big>	<blockquote>	<body>	 
<button>	<caption>	<center>	<cite>
<code>	<col>	<colgroup>	<dd>
<del>	<dfn>	<dir>	<div>
<dl>	<dt>	<em>	<fieldset>
<font>	<form>	<frame>	<frameset>
<h1> to <h6>	<head>	<hr>	<html>
<i>	<iframe>	<img>	<input>
<ins>	<kbd>	<label>	<legend>
<li>	<link>	<map>	<menu>
<meta>	<noframes>	<noscript>	<object>
<ol>	<optgroup>	<option>	<p>
<param>	<pre>	<q>	<s>
<samp>	<script>	<select>	<small>
<span>	<strike>	<strong>	<style>
<sub>	<sup>	<table>	<tbody>
<td>	<textarea>	<tfoot>	<th>
<thead>	<title>	<tr>	<tt>
<u>	<ul>	<var>	

---

### 3 – Deprecated Tags (Total 12 Tags) :

---

<acronym>	<applet>	<basefont>	<big>	<center>	<dir>
<font>	<frame>	<frameset>	<noframes>	<strike>	<tt>

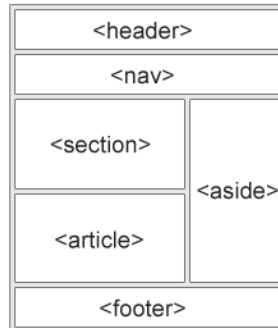
---

## 4 – Semantics :

---

HTML5 offers new semantic elements to clearly define different parts of a web page:

- <header>
- <nav>
- <section>
- <article>
- <aside>
- <figure>
- <figcaption>
- <footer>
- <details>
- <summary>
- <mark>
- <time>



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## 5 – Definitions :

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Here are some definitions:

- Semantics – New elements to clearly define different parts of a web page
- Deprecated – Tags that are being removed.

---

## 6 – Questions / Answers :

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What is new in HTML5?

- New Elements
- New Attributes
- Full CSS3 Support
- Video and Audio
- 2D/3D Graphics
- Local Storage
- Local SQL Database
- Web Applications

What browsers support HTML5?

All major browsers (Chrome, Firefox, Internet Explorer, Safari, Opera) support the new HTML5 elements and APIs.

What can I do for backwards compatibility?

Use a javascript work around located here called HTML5 Shiv at: <http://code.google.com/p/html5shiv/>

What are new attributes for the <form> tag?

The two new attributes are autocomplete and novalidate.

What are the new attributes for the <input> tag?

The new attributes are :

- autocomplete
- autofocus
- form
- formaction
- formenctype
- formmethod
- formnovalidate
- formtarget
- height and width
- list
- min and max
- multiple
- pattern (regexp)
- placeholder
- required
- step

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### 6 – Multiple Browser Support :

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Go to this URL to see list of features which are supported in a particular browser : <http://caniuse.com/>

Then select which browsers you would like to support in your application.

Select browsers to compare Reset selected browsers

Categories	IE	Edge	Firefox	Chrome	Safari	Opera	iOS Safari	Opera Mini
<input checked="" type="checkbox"/> All	<input type="checkbox"/> 6	<input type="checkbox"/> 12	<input type="checkbox"/> 2	<input type="checkbox"/> 4	<input type="checkbox"/> 3.1	<input type="checkbox"/> 10.0-10.1	<input type="checkbox"/> 3.2	<input type="checkbox"/> 5.0-8.0
<input checked="" type="checkbox"/> CSS	<input type="checkbox"/> 7	<input type="checkbox"/> 13	<input type="checkbox"/> 3	<input type="checkbox"/> 5	<input type="checkbox"/> 3.2	<input type="checkbox"/> 11.5	<input type="checkbox"/> 4.0-4.1	Android Browser
<input checked="" type="checkbox"/> HTML5	<input type="checkbox"/> 8	<input type="checkbox"/> 14	<input type="checkbox"/> 3.5	<input type="checkbox"/> 6	<input type="checkbox"/> 4	<input type="checkbox"/> 12.1	<input type="checkbox"/> 4.2-4.3	<input type="checkbox"/> 2.1
<input checked="" type="checkbox"/> JS API	<input type="checkbox"/> 9		<input type="checkbox"/> 3.6	<input type="checkbox"/> 7	<input type="checkbox"/> 5	<input type="checkbox"/> 15	<input type="checkbox"/> 5.0-5.1	<input type="checkbox"/> 2.2
<input checked="" type="checkbox"/> Other	<input type="checkbox"/> 10		<input type="checkbox"/> 4	<input type="checkbox"/> 8	<input type="checkbox"/> 5.1	<input type="checkbox"/> 16	<input type="checkbox"/> 6.0-6.1	<input type="checkbox"/> 2.3
<input checked="" type="checkbox"/> SVG	<input type="checkbox"/> 11		<input type="checkbox"/> 5	<input type="checkbox"/> 9	<input type="checkbox"/> 6	<input type="checkbox"/> 17	<input type="checkbox"/> 7.0-7.1	<input type="checkbox"/> 3
			<input type="checkbox"/> 6	<input type="checkbox"/> 10	<input type="checkbox"/> 6.1	<input type="checkbox"/> 18	<input type="checkbox"/> 8	<input type="checkbox"/> 4
			<input type="checkbox"/> 7	<input type="checkbox"/> 11	<input type="checkbox"/> 7	<input type="checkbox"/> 19	<input type="checkbox"/> 8.1-8.4	<input type="checkbox"/> 4.1
			<input type="checkbox"/> 8	<input type="checkbox"/> 12	<input type="checkbox"/> 7.1	<input type="checkbox"/> 20	<input type="checkbox"/> 9.0-9.2	<input type="checkbox"/> 4.2-4.3
			<input type="checkbox"/> 9	<input type="checkbox"/> 13	<input type="checkbox"/> 8	<input type="checkbox"/> 21	<input type="checkbox"/> 9.3	<input type="checkbox"/> 4.4
			<input type="checkbox"/> 10	<input type="checkbox"/> 14	<input type="checkbox"/> 9	<input type="checkbox"/> 22		<input type="checkbox"/> 4.4.3-4.4.4
			<input type="checkbox"/> 11	<input type="checkbox"/> 15	<input type="checkbox"/> 9.1	<input type="checkbox"/> 23		<input type="checkbox"/> 47
			<input type="checkbox"/> 12	<input type="checkbox"/> 16	<input type="checkbox"/> TP	<input type="checkbox"/> 24	BlackBerry Browser	Opera Mobile
			<input type="checkbox"/> 13	<input type="checkbox"/> 17		<input type="checkbox"/> 25	<input type="checkbox"/> 7	<input type="checkbox"/> 12
			<input type="checkbox"/> 14	<input type="checkbox"/> 18		<input type="checkbox"/> 26	<input type="checkbox"/> 10	<input type="checkbox"/> 12.1
			<input type="checkbox"/> 15	<input type="checkbox"/> 19		<input type="checkbox"/> 27	Chrome for Android	<input type="checkbox"/> 36
			<input type="checkbox"/> 16	<input type="checkbox"/> 20		<input type="checkbox"/> 28	<input type="checkbox"/> 49	Firefox for Android
			<input type="checkbox"/> 17	<input type="checkbox"/> 21		<input type="checkbox"/> 29		<input type="checkbox"/> 45
			<input type="checkbox"/> 18	<input type="checkbox"/> 22		<input type="checkbox"/> 30	IE Mobile	UC Browser for Android
			<input type="checkbox"/> 19	<input type="checkbox"/> 23		<input type="checkbox"/> 31	<input type="checkbox"/> 10	<input type="checkbox"/> 9.9
			<input type="checkbox"/> 20	<input type="checkbox"/> 24		<input type="checkbox"/> 32	<input type="checkbox"/> 11	
			<input type="checkbox"/> 21	<input type="checkbox"/> 25		<input type="checkbox"/> 33		
			<input type="checkbox"/> 22	<input type="checkbox"/> 26		<input type="checkbox"/> 34		
			<input type="checkbox"/> 23	<input type="checkbox"/> 27		<input type="checkbox"/> 35		
			<input type="checkbox"/> 24	<input type="checkbox"/> 28		<input type="checkbox"/> 36		

Browser Features Support Chart					
Browser Name	CSS	Html5	SVG	JS API	Other
IE					
FireFox					
Chrome					
Safari					
Opera					
IOS Safari					
Opera Mini					
Android					
Blackberry					
Opera Mobile					
Chrome Android					
FireFox Android					
IE Mobile					
UC Android					

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### 7 – Code Snippets :

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Some code snippets that are commonly used:

```
// First HTML5 page
<html>
<header>
<h1>Hello World HTML5</h1>
</header>
<body>
// Defines a set of navigation links
<nav>
<a href="www.yahoo.com">yahoo</a>
<a href="www.google.com">google</a>
</nav>
<section>
<h2>This is section one</h2>
<p>The description goes here<p>
</section>
<article>
<h2>This is article one</h2>
<p>The description goes here<p>
</article>
</body>
<footer><p>Copyright <time pubdate datetime="2014-03-01"></time></p></footer>
</html>
```

```
// Defines a set of navigation links
```

```
<nav>
<a href="www.yahoo.com">yahoo</a>
<a href="www.google.com">google</a>
</nav>
```

```
// Using a figure tag
<figure>

<figcaption>Figure One</figcaption>
</figure>
```

```
// How to detect browser
<!--[if lt IE9]
<script src="html5shiv.js"></script>
<![endif]-->
```

```
// New Html5 input types
Select your favorite color: <input type="color" name="favcolor">
Birthday: <input type="date" name="bday">
Birthday (date and time): <input type="datetime" name="bdaytime">
Birthday (date and time): <input type="datetime-local" name="bdaytime">
E-mail: <input type="email" name="email">
Birthday (month and year): <input type="month" name="bdaymonth">
Quantity (between 1 and 5): <input type="number" name="quantity" min="1" max="5"
<input type="range" name="points" min="1" max="10">
Search Google: <input type="search" name="googlesearch">
Telephone: <input type="tel" name="usrtel">
Select a time: <input type="time" name="usr_time">
Add your homepage: <input type="url" name="homepage">
Select a week: <input type="week" name="week_year">
```

```
// New form element datalist
<input list="browsers">
<datalist id="browsers">
  <option value="Internet Explorer">
  <option value="FireFox">
</datalist>
```

```
// New form element datalist
<form action="demo_
<datalist id="browsers">
  <option value="Internet Explorer">
```

```
<option value="FireFox">
```

---

*Appendix :*

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[http://www.w3schools.com/html/html5\\_semantic\\_elements.asp](http://www.w3schools.com/html/html5_semantic_elements.asp)