**HTML5 New Features**

* **Audio Video**

1. Audio is used to define an audio of the section.
2. Video is used to define the video section in the document.

**Example :-**

**<audio controls>**

**<source src="horse.ogg" type="audio/ogg">**

**<source src="horse.mp3" type="audio/mpeg">**

**</audio>**

**<video width="320" height="240" controls>**

**<source src="movie.mp4" type="video/mp4">**

**<source src="movie.ogg" type="video/ogg">**

**</video>**

* **Article Header Footer**

1. Article is used to define an article in a document.
2. Header is used for defining the header in an html document.
3. Footer is used to define the footer for a document or section.

**Example :-**

**<article>**

**<header>**

**<h1>A heading here</h1>**

**<p>Posted by John Doe</p>**

**<p>Some additional information here</p>**

**</header>**

**<footer>**

**<p>Lorem Ipsum dolor sit amet....</p>**

**</footer>**

**</article>**

* **Figure and Figcaption:-**

Figure tag is used to define the self contained content. We bound the image tag in that also figcaption tag which represents the caption of a figure.

**Example :-**

**<figure>**

**<img src="pic\_trulli.jpg" alt="Trulli" style="width:100%">**

**<figcaption>Fig.1 - Trulli, Puglia, Italy.</figcaption>**

**</figure>**

* **Nav**

It defines the navigation link we bound the link in anchor tags in section.

**Example :-**

**<nav>**

**<a href="/html/">HTML</a>**

**<a href="/css/">CSS</a>**

**<a href="/js/">JavaScript</a>**

**<a href="/python/">Python</a>**

**</nav>**

* **Progress**

It represents the progress of a task.

**Example :-**

**<div class="w3-border">**

**<div class="w3-grey" style="height:24px;width:20%"></div>**

**</div>**

* **Time attribute**

It defines the date and time.

**<p>We open at <time>10:00</time> every morning.</p>**

**<p>I have a date on <time datetime="2022-02-14 20:00">Valentines day</time>.</p>**

* **Email attribute:**

It says the data you want to write it has email type

**Example :-**

**<label for="email">Enter your email:</label>**

**<input type="email" id="email" name="email">**

* **Detail and Summary attribute:**

Defines additional details that the user can view and hide. Summary define a visible heading for a details element.

**Example:-**

**<details>**

**<summary>Copyright 1999-2018.</summary>**

**<p> - by Refsnes Data. All Rights Reserved.</p>**

**<p>All content and graphics on this web site are the property of the company Refsnes Data.</p>**

**</details>**

* **Vector Graphics**

SVG stands for Scalable Vector Graphics.It basically defines vector-based graphics in XML format.SVG graphics do NOT lose any quality if they are zoomed or resized.Every element and every attribute in SVG files can be animated.

**Example :-**

**<svg width="100" height="100">**

**<circle cx="50" cy="50" r="40" stroke="green" stroke-width="4" fill="yellow" />**

**</svg>**

* **Storage:** In the case of HTML, we can use the browser as the temporary storage whereas, in the case of HTML5, application cache, web SQL database, and web storage is used.
* **Ease of use** While HTML5 does have risks like constant updates, it is generally easy to keep up with the changes & updates because of simpler syntax as compared to other versions of HTML.

**References:**

* [**http://w3schools-fa.ir/html/html5\_new\_elements.html**](http://w3schools-fa.ir/html/html5_new_elements.html)
* [**https://www.geeksforgeeks.org/html5-complete-reference/**](https://www.geeksforgeeks.org/html5-complete-reference/)