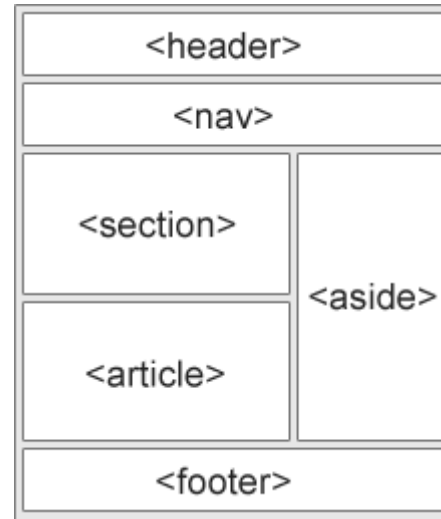


HTML 5

Semantic Elements

New Semantic Elements in HTML5

- `<article>`
- `<aside>`
- `<details>`
- `<figcaption>`
- `<figure>`
- `<footer>`
- `<header>`
- `<main>`



- `<mark>`
- `<nav>`
- `<section>`
- `<summary>`
- `<time>`

<header>

```
<article>
  <header>
    <h1>h1: Most important heading here</h1>
    <h6>h6: Least important heading here</h6>
    <p>Some information here</p>
  </header>
  <p>additional information here....</p>
</article>
```

h1: Most important heading here

h6: Least important heading here

Some information here

additional information here....

- The <header> element represents a container for introductory content or a set of navigational links.
- A <header> element typically contains:
 - one or more heading elements (<h1> - <h6>)
 - logo or icon
 - authorship information
 - You can have several <header> elements in one document.
- A <header> tag cannot be placed within a <footer>, <address> or another <header> element.

<nav>

- defines a set of navigation links.
- NOT all links of a document should be inside a <nav> element. The <nav> element is intended only for major block of **navigation links**.

```
<nav>
<a href="../html/index.html">HTML</a> |
<a href="../css/index.html">CSS</a> |
<a href="../js/index.html">JavaScript</a> |
<a href="../jquery/index.html">jQuery</a>
</nav>
```

```
<p><strong>Note:</strong> The nav tag is not supported in
Internet Explorer 8 and earlier versions.</p>
```

[HTML](#) | [CSS](#) | [JavaScript](#) | [jQuery](#)

Note: The nav tag is not supported in Internet Explorer 8 and earlier versions.

<section>

- The <section> tag defines sections in a document, such as chapters, headers, footers, or any other sections of the document.
- ```
<section>
 <h1>WWF</h1>
 <p>The World Wide Fund for Nature (WWF) </p>
</section>
```

# <article>

- Defines an article in a document
- The <article> tag specifies independent, self-contained content.
- Potential sources for the <article> element:
  - Forum post
  - Blog post
  - News story
  - Comment

# <aside>

- Defines content aside from the page content
- The <aside> content could be placed as a sidebar in an article.

# <footer>

- Defines a footer for a document or section
- A <footer> element should contain information about its containing element.
- A <footer> element typically contains:
  - authorship information
  - copyright information
  - contact information
  - sitemap
  - back to top links
  - related documents

```
<footer>
 <p>Contact information: t.liu@massey.ac.nz.</p>
</footer>
```

Contact information: [t.liu@massey.ac.nz](mailto:t.liu@massey.ac.nz).



# <details>

- Defines additional details that the user can view or hide
- The <details> tag can be used to create an interactive widget that the user can open and close.

Attribute	Value	Description
<a href="#">open</a>	open	Specifies that the details should be visible (open) to the user

```
<details open>
 <summary>Summary </summary>
 <p> - by Tong Liu </p>
</details>

<p>Note: The details tag is not supported in Internet Explorer.</p>
```

▼ Summary

- by Tong Liu

**Note:** The details tag is not supported in Internet Explorer.

```
<details>
 <summary>Summary </summary>
 <p> - by Tong Liu </p>
</details>

<p>Note: The details tag is not supported in Internet Explorer.</p>
```

► Summary

**Note:** The details tag is not supported in Internet Explorer.

# <dialog>

- defines a dialog box or window.

Attribute	Value	Description
<a href="#">open</a>	open	Specifies that the dialog element is active and that the user can interact with it

```
<body>
<p>Hello World! <dialog open>This is an open dialog
window</dialog> </p>
</body>
```

Hello World!

This is an open dialog window

# <figure>

- Defines self-contained content

```
<figure>

</figure>
```

```
<p>Note: The figure tag is not supported in
Internet Explorer 8 and earlier versions.</p>
</body>
```



**Note:** The figure tag is not supported in Internet Explorer 8 and earlier versions.

# <figcaption>

- Defines a caption for a <figure> element

```
<!DOCTYPE html>
<html>
<body>

<h2>Places to Visit</h2>

<p>Puglia's most famous sight is the unique conical houses
(Trulli) found in the area around Alberobello, a declared
UNESCO World Heritage Site.</p>

<figure>

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

</body>

<!-- Mirrored from www.w3schools.com/tags/tryit.asp?
filename=tryhtml_figcaption by HTTrack Website Copier/3.x
[XR&CO'2014], Mon, 30 Jul 2018 02:38:59 GMT -->
</html>
```

## Places to Visit

Puglia's most famous sight is the unique conical houses (Trulli) found in the area around Alberobello, a declared UNESCO World Heritage Site.



Fig.1 - Trulli, Puglia, Italy.

# <main>

- The <main> tag specifies the main content of a document.
- The content inside the <main> element should be unique to the document. It should not contain any content that is repeated across documents such as sidebars, navigation links, copyright information, site logos, and search forms.
- There should be only one <main> element in a document. The <main> element must NOT be a descendant of an <article>, <aside>, <footer>, <header>, or <nav> element.

<main>

<main>

<h1>Web Browsers</h1>

<p>Google Chrome, Firefox, and Internet Explorer are the most used browsers today.</p>

<article>

<h1>Google Chrome</h1>

<p>Google Chrome is a free, open-source web browser developed by Google </p>

</article>

<article>

<h1>Mozilla Firefox</h1>

<p>Firefox is a free, open-source web browser from Mozilla, released in 2004.</p>

</article>

</main>

# <summary>

- Defines a visible heading for a <details> element
- The heading can be clicked to view/hide the details.

## <details>

```
<summary>HTML 5 Sematic Elements</summary>
<p> header </p>
<p> nav </p>
<p> figure ...</p>
</details>
```

```
<details>
 <summary>HTML 5 Sematic Elements</summary>
 <p> header </p>
 <p> nav </p>
 <p> figure ...</p>
</details>
```

► HTML 5 Sematic Elements

▼ HTML 5 Sematic Elements

header

nav

figure ...

# <time>

- defines a human-readable date/time.

```
<h1>The time element</h1>
```

```
<p>Voting place open from <time>08:30</time> to <time>18:00</time> on
election day.</p>
```

```
<p>I voted on <time datetime="2020-10-17 10:00">2020 New Zealand general
election Day</time>.</p>
```

## The time element

Voting place open from 08:30 to 18:00 on election day.

I voted on 2020 New Zealand general election Day.



# Reference

- W3School(n.d.). *HTML5 New Elements. Retrieved from* [http://w3schools-fa.ir/html/html5\\_new\\_elements.html](http://w3schools-fa.ir/html/html5_new_elements.html)