

## HTML <nav> Tag - Navigation Section

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> [itemscopehttp://data-vocabulary.org/Breadcrumb<span itemprop="title">Examples</span>](#)

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### The <nav> Tag in HTML 5

The <nav> tag is used to create a <dfn>navigation section</dfn> on a web page, a section whose primary purpose is to provide links to specific areas within the page or to other web pages. It is one of the [sectioning tags in HTML 5](#).

#### Breadcrumb trail navigation section

A navigation section with a series of [inline hypertext links](#) can be used to create a <dfn>breadcrumb trail</dfn>:

[HTML 5](#) > [HTML Tags](#) > [HTML <nav> tag](#)

This is an actual working demo of the [breadcrumb trail example code](#) below.

#### Drop-Down Menu Demo

```
<menu type="toolbar">
<menu label="Sections">
Tutorials
Examples
</menu>
<menu label="<menu>">
Description
Syntax
Attributes
Examples
Changes
</menu>
</menu>
```

This is an actual working example of the [drop-down menu example code](#) below. It shows how to implement a drop-down menu without JavaScript. It only requires CSS, which works even if JavaScript is disabled for some reason.

[back to top](#)

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### <nav> Tag Syntax

#### Rules for coding HTML `nav` elements

```
<a mode="pre" href="../body-tag/index.html#syntax"><body></a>
...
<a mode="pre" href="../html-tag-list.html#flow-content-model">... flow content expected ...
© 2011 Acumatic Corp. Page 1 of 3
```

```

<b mode="pre"><nav></b>
  <a mode="pre" href="../../definitions/index.html#flow-content">... flow content ...</a>
<b mode="pre"></nav></b>
...
</body>

```

1. Inside an element where [flow content](#) is allowed, code one or more optional **nav** elements.
2. Begin each **nav** element with a starting `<nav>` tag. The element name uses lower case letters and should be in the [HTML namespace](#), which it will pick up automatically from the [xmlns attribute](#) on the `<html>` tag.
3. Include any [HTML global attributes on the <nav> tag](#) as appropriate.
4. End the **nav** element with a matching `</nav>` closing tag.
5. Inside the **nav** element, code the appropriate [flow content](#).

## <nav> Content Model

### Content of the <nav> Tag

The content of the **nav** element can include [HTML comments](#), [text content](#) and any [tags that can be used in flow content](#).

[back to top](#)

## <nav> Tag Attributes

### Attributes of the <nav> tag

[global attributes](#)

The only attributes that can be coded on the `<nav>` tag are the [common HTML attributes](#).

[back to top](#)

## <nav> Tag Examples

### Examples of the `nav` tag in HTML 5

#### Example of `<nav>` tag with breadcrumb trail

```

<nav>
  <a rel="up up" href="../../index.html">HTML 5</a>&#160;&#160;
  <a rel="up" href="../index.html">HTML Tags</a>&#160;&#160;
  <b>HTML &lt;nav&gt; tag</b>
</nav>

```

As shown in the example above, the value `up` may be specified more than once in the `<a rel>` attribute: `rel="up"` points to the parent document, `rel="up up"` points to the grandparent, and so forth.

### Search Engine Friendly Navigation Section with Breadcrumb Trail

Some search engines, particularly Google, may include a breadcrumb trail in their search engine results if the links include [microdata properties for a breadcrumb trail](#).

## HTML <a href> Tag

Description, syntax, usage, attributes and examples of the HTML `<a href>` tag.

`<cite>` [www.html-5.com](#) › [HTML Tags](#) › [HTML <a href> Tag](#) › [Examples](#) `</cite>`

To code the [breadcrumb trail microdata](#) the breadcrumb trail list of links must include some [microdata properties](#):

- elements with [itemscope="itemscope"](#) (a [boolean attribute](#)) and [itemtype="http://data-vocabulary.org/Breadcrumb"](#) identifying each link in the breadcrumb trail
- an [a href element](#) with [itemprop="url"](#) indicating the target URL of each breadcrumb link
- an element with [itemprop="title"](#) that provides the text for each breadcrumb link

```
<nav class="breadcrumb-trail">
  <ul>
    <li itemscope="itemscope" itemtype="http://data-vocabulary.org/Breadcrumb">
      <a itemprop="url" rel="up up up" href="/">
        <span itemprop="title">HTML 5</span>
      </a>
    </li>
    <li itemscope="itemscope" itemtype="http://data-vocabulary.org/Breadcrumb">
      <a class="nobr" itemprop="url" rel="up up" href="/tags/">
        <span itemprop="title">HTML Tags</span>
      </a>
    </li>
    <li itemscope="itemscope" itemtype="http://data-vocabulary.org/Breadcrumb">
      <a itemprop="url" rel="up" href=".">
        <span itemprop="title">HTML <a href> Tag</span>
      </a>
    </li>
    <li itemscope="itemscope" itemtype="http://data-vocabulary.org/Breadcrumb">
      <a itemprop="url" href="#examples#">
        <span itemprop="title">Examples</span>
      </a>
    </li>
  </ul>
</nav>
```

## Drop-Down Menu

```
<nav style="height: 1.5em">
<style scoped="scoped">
menu[type="toolbar"], menu[type="toolbar"] * {
  margin: 0;
  padding: 0;
}
menu[type="toolbar"] > li {
  display: inline-block;
  vertical-align: top;
  border: 2px solid #000000;
}
menu[type="toolbar"] > li > menu {
  float: left;
  width: 8em;
  background-color: #cccccc;
  text-align: center;
}
menu[type="toolbar"] > li > menu:before {
  content: attr(label);
  color: #333333;
}
menu[type="toolbar"] > li > menu > li {
  position: relative;
  z-index: 1;
  background-color: #cccccc;
  text-align: left;
```

```

display: none;
-moz-transition: background-color 0.3s;
-webkit-transition: background-color 0.3s
}
menu[type="toolbar"] > li > menu:hover > li {
  display: block;
}
menu[type="toolbar"] > li > menu:hover > li:first-child {
  border-top: 2px solid #000000;
}
menu[type="toolbar"] > li > menu > li > a {
  padding: 0 1em;
  color: #333333;
  text-decoration: none;
}
menu[type="toolbar"] > li > menu:hover,
menu[type="toolbar"] > li > menu:hover:before,
menu[type="toolbar"] > li > menu > li:hover,
menu[type="toolbar"] > li > menu > li:hover > a
{
  background-color: #999999;
  color: #000000;
}
</style>
<menu type="toolbar">
  <li>
    <menu label="Sections">
      <li><a href="../../tutorials/">Tutorials</a></li>
      <li><a href="../../examples/">Examples</a></li>
    </menu>
  </li>
  <li>
    <menu label="&lt;menu&gt;">
      <li><a href="#description">Description</a></li>
      <li><a href="#syntax">Syntax</a></li>
      <li><a href="#attributes">Attributes</a></li>
      <li><a href="#examples">Examples</a></li>
      <li><a href="#whats-new">Changes</a></li>
    </menu>
  </li>
</menu>
</nav>

```

[back to top](#)

## Changes in HTML 5 - <nav> Tag

### What's new in HTML 5

The <nav> tag is one of the new elements in HTML 5. It is one of the [new sectioning tags in HTML 5](#), which are intended to reduce the need to use [<div> tags](#) for sectioning purposes.

### Differences between HTML 5 and earlier versions of HTML

The <nav> tag did not exist in older versions of HTML.

The [2000-2010 Recommendations from the W3C HTML Working Group](#) defined the [HTML namespace](#) for the names of all [HTML element types](#), which now includes the **nav** element name. In older (pre-2000) [versions of HTML](#), element type names were not associated with a namespace.

[back to top](#)

*THE END*