

Web Design and Development

ACS-1809

Chapter 11

Creating Lists

Creating Lists

-  Ordered Lists
-  Unordered Lists
-  Definition Lists
-  Combination and Nesting of Lists
-  Style Lists

Ordered Lists

My favorite fruits
are:

1. Raspberry
2. Strawberry
3. Apple

HTML Code:

My favorite fruits are:

```
<ol>
```

```
  <li>Raspberry</li>
```

```
  <li>Strawberry</li>
```

```
  <li>Apple</li>
```

```
</ol>
```

Ordered Lists – Type attribute

- To change the type of ordered list add the *type* attribute and its value to the opening *ol* tag.

■ `<ol type="I">`
 `<li> Introduction</li>`
 `<li>Understanding HTML</li>`
 `<li>Basic Page Structures</li>`
 `</ol>`

- I. Introduction
- II. Understanding HTML
- III. Basic Page Structure

Ordered List Types

Type Attribute Value	Numbering Style	Example
1	Numbers	1, 2, 3, ...
a	Lowercase alphabet	a, b, c, ...
A	Uppercase alphabet	A, B, C, ...
i	Lowercase Roman numerals	i, ii, iii, ...
I	Uppercase Roman numerals	I, II, III, ...

Different Starting Number

- 🖥 You can change the starting number or letter of an ordered list using *start* attribute.

```
<ol type="a" start="3">  
  <li> Color</li>  
  <li>Working with text</li>  
  <li>Working with links</li>  
</ol>
```

- c. Color
- d. Working with text
- e. Working with links

Change Individual Number

- 🖥️ You can add the value attribute to the specific li tag to change an individual value

```
<ol type="a" start="3">  
  <li> Color</li>  
  <li>Working with text</li>  
  <li value="7">Working with links</li>  
</ol>
```

- c. Color
- d. Working with text
- g. Working with links

Unordered Lists

An unordered list
looks like:

-  Red
-  Green
-  Blue

HTML Code:

```
<ul>  
  <li>Red</li>  
  <li>Green</li>  
  <li>Blue</li>  
</ul>
```


Definition Lists

W3C

The World Wide Web Consortium was created in 1994 to develop standards and protocols for the World Wide Web.

HTML

Hypertext Markup Language is the authoring language used to create documents for the World Wide Web.

Definition Lists

HTML Code:

```
<dl>
```

```
  <dt>W3C</dt>
```

```
  <dd> The World Wide Web Consortium was  
created in 1994 to develop standards and  
protocols for the World Wide Web.</dd>
```

```
  <dt>HTML</dt>
```

```
  <dd> Hypertext Markup Language is the authoring  
language used to create documents for the World  
Wide Web.</dd>
```

```
</dl>
```

Combine and Nest Lists

I. Introduction

II. Part 1

A. Description

B. Example

1. Reference 1

2. Reference 2

III. Part 2

IV. Summery

HTML Code

```
<ol type="I">  
  <li>Introduction</li>  
  <li>Part 1  
    <ol type="A">  
      <li>Description</li>  
      <li>Example  
        <ol type="1">  
          <li> Reference 1</li>  
          <li> Reference 2</li>  
        </ol>  
      </li>  
    </ol>  
  </li>  
  <li>Part 2</li>  
  <li>Summery</li>  
</ol>
```

Combine and Nest Lists

- 🖥 Always remember to confirm that you have closed each list when nesting lists
 - 🖱 Use proper indentation is the key to avoid the mistake of missing the closing tags

Style Lists

Sample Property and Value	Description	Possible Values
list-style-image: url(bullet.gif)	Change the appearance of the bullet by replacing it with an image.	Specify the location of image (URL).
list-style-position: inside	Identifies the indentation of additional line in list items.	<i>inside</i> : lines after the first are not indented <i>outside</i> : all lines in the item are indented.
list-style-type: decimal	Changes the appearance of the bullet or characters at the beginnings of each list item.	None, disc, circle, square, decimal, lower-roman, upper-roman,...

Customize the bullets

- Example: create a list on a web page in which each item is preceded by an image of a star.

- Non-CSS way:

```
<dd> The World Wide Web Consortium was created in 1994.</dd>
```

- CSS way:

```
<style type="text/css">
  li {list-style-image: url(star.gif);}
</style>
```

Customize the Spacing

- ❏ Two properties are used to adjust the indentation – by affecting the spacing around each item in the list and around the list in general

- ✎ Margin property

- ✎ Padding property

- margin-left : 0;

- padding-left : 0;

- margin: 0;

- Padding: 0;

Customize the Spacing

- ☞ When attached to the ul or ol tag the margin property affects the space around the entire list
- ☞ When it is used with the li tag the margin property alters the space around each individual list item
- ☞ It is important to test the HTML pages in a variety of browsers to make sure everything displays as intended whenever you alter the spacing around your lists and list items
 - ☞ Some older versions in particular have trouble properly displaying lists with altered spacing

Customize the entire layout

 Vertical Navigation

 Horizontal Navigation

They can be used as navigation bar

Vertical Navigation

```
<ul id="navlist">  
  <li class="active">Home</li>  
  <li><a title="LINK: School calendar" href="...">  
    School calendar </a></li>  
  <li><a title="LINK: Check out the school day  
    weather" href="...">Today's school  
    weather</a></li>  
  <li><a title="LINK: Class notes for each grade  
    level" href="...">Class notes and supply  
    list</a></li>  
  <li><a title="LINK: News for parents" href="...">  
    Information for parents</a></li>  
</ul>
```

Vertical Navigation - Style

```
<style type="text/css">
  body { font-family:
    font-size:10pt;}
  #navlist {
    width: 250px;
    margin-left : 0;
    padding-left :0;
    text-align: center;}
  #navlist li { list-style : none;
    margin: 0;
    border-top: 1px solid #666;}
</style>
```

Horizontal Navigation

```
<ul id="navlist">  
  <li class="active">Home</li>  
  <li><a title="LINK: About Us"  
    href="aboutus.html">About Us</a></li>  
  <li><a title="LINK: Services"  
    href="services.html">Services</a></li>  
  <li><a title="LINK: Clients"  
    href="clients.html">Clients</a></li>  
  <li><a title="LINK: Contact Us"  
    href="contactus.html">Contact Us</a></li>  
</ul>
```

Horizontal Navigation - Style

```
<style type="text/css">
  body { font-family:
    font-size:10pt;}
  #navlist { margin: 0;
    padding :0;
    text-align: center;}
  #navlist li { list-style : none;
    display: inline}
</style>
```

🖱 **Display:** the display property specifies the type of box used for an HTML element.

🖱 Value: inline / block / initial / inherit / none / ...