



THE UNIVERSITY OF WINNIPEG

ACS-1809-051
Web Design and Development

Chapter 10

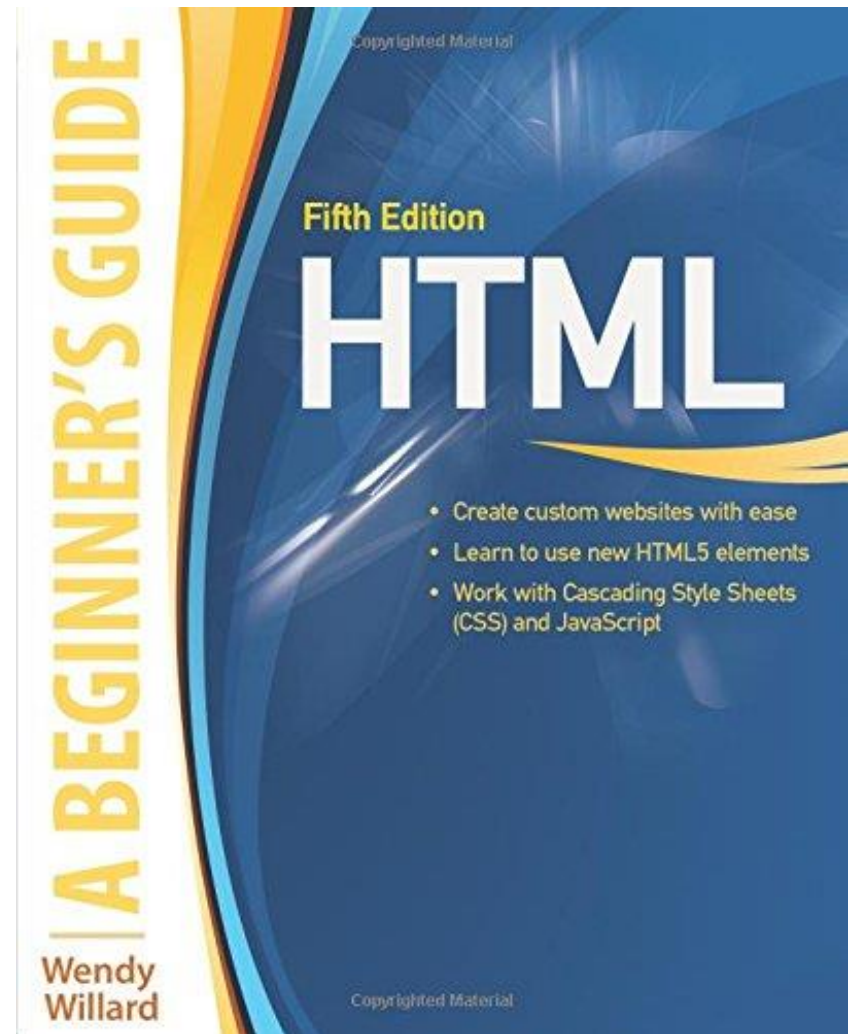
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Creating Lists

- 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">`

- ` Introduction`

- `Understanding HTML`

- `Basic Page Structures`

- ``

- 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

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>
```

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.

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</li>  
    <ol type="A">  
      <li>Description</li>  
      <li>Example</li>  
        <ol type="1">  
          <li> Reference 1</li>  
          <li> Reference 2</li>  
        </ol>  
      </ol>  
    </ol>  
  <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
<code>list-style-image: url(bullet.gif)</code>	Change the appearance of the bullet by replacing it with an image.	Specify the location of image (URL).
<code>list-style-position: inside</code>	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.
<code>list-style-type: decimal</code>	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 (preferred):

```
<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 / ...

Questions?



QUESTIONS



now