ACS-1809-050
Web Design and Development
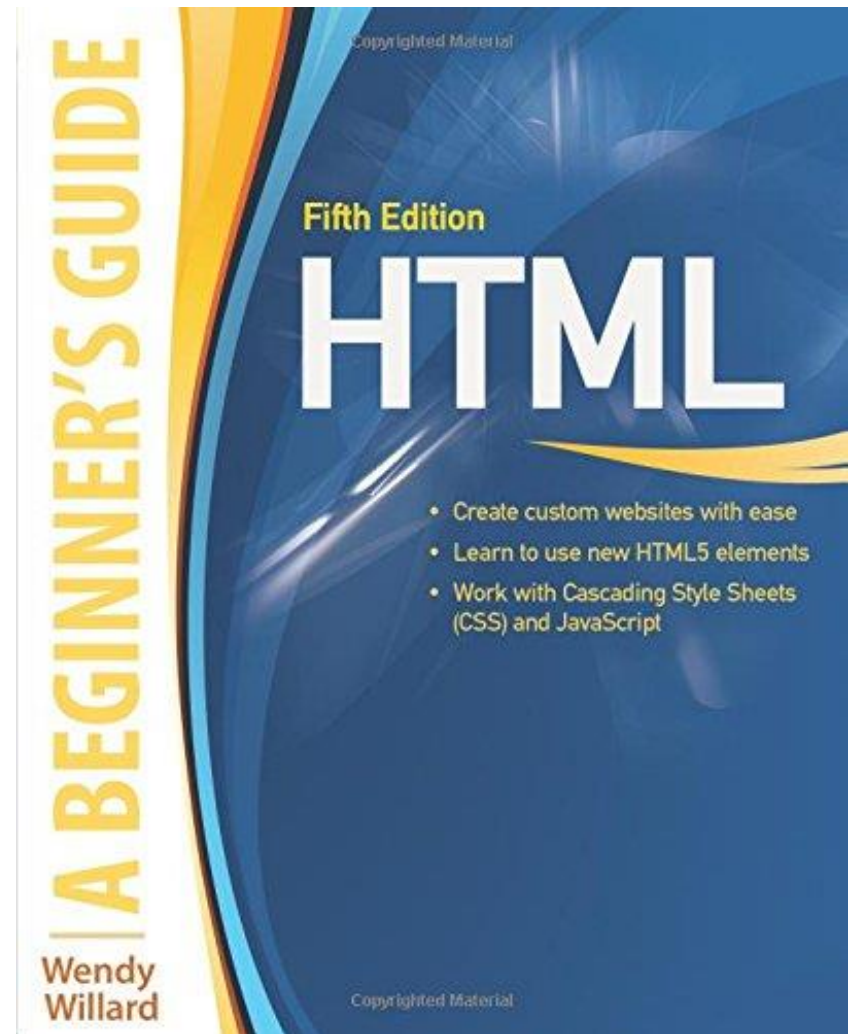
Chapter 10

THE UNIVERSITY OF
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A BEGINNER'S GUIDE

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Fifth Edition

HTML

- Create custom websites with ease
- Learn to use new HTML5 elements
- Work with Cascading Style Sheets (CSS) and JavaScript

Wendy Willard

Copyrighted Material

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:

    Raspberry

    Strawberry

    Apple

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

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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, …

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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

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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

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Unordered Lists

An unordered list looks like:

- Red

- Green

- Blue

HTML Code:

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

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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>

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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.

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>
 <li>Part 2</li>
 <li>Summery</li>
</ol>
```

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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

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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.	*inside* : lines after the first are not indented *outside*: 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,...

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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><img src="star.gif" width="12" height="12"   alt="star"> 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;

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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

- 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>
```

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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 / …

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Questions?