CSS: Links and Lists

Website Development 1

CSS: Links

- There are four different states that a link can be in, and these states have some default styles:

link	**link**	**link**	**link**
unvisited	visited	hover	active
(a:link)	(a:visited)	(a:hover)	(a:active)

CSS: Links

- However, we can apply our own styles to each link state
- We use the "pseudo-classes" **link**, **visited**, **hover**, and **active** to style these different states

link (unvisited (a:link)) link (visited (a:visited)) link (hover (a:hover)) link (active (a:active))

```css
a:link {
    color:black;
}
a:visited {
    color:slategray;
}
a:hover {
    text-decoration:none;
}
a:active {
    color:magenta;
}
```

CSS: Links

- Properties set using the "a" selector without any pseudo-class will be applied to **all** states of the link

```
a{
    background-color: cyan;
}
```


| unvisited (a:link) | visited (a:visited) | hover (a:hover) | active (a:active) |

CSS: Links

- We can also styles links so that they look like buttons (we'll see this in a few weeks when we get to layout)

This is a link

```css
a{
    background-color: red;
}

a:link, a:visited {
    color: white;
    padding: 14px 25px;
    text-align: center;
    text-decoration: none;
    display: inline-block;
}

a:hover, a:active {
    color: yellow;
}
```

Styling lists

The list-style-type Property

- The list-style-type property defines the kind of marker that is to be associated with each item in the list.

- By default, an unordered list displays with an item marker of a bullet (disc). In nested unordered lists, the item marker changes to an open circle for the first level of indentation, and a square for the second level.

- What if you prefer to have the item marker be a square for the outermost list, a bullet for the next one, and an open circle for the third?

Styling lists – Unordered List Example

```html
<ul>
  <li>Media Player</li>
  <li>Sound Recorder</li>
  <li>Control Panel enhancements</li>
</ul>
```

```css
ul {
 list-style-type: square;
}
```

- Media Player
- Sound Recorder
- Control Panel enhancements

Styling lists – Ordered List Example

- For an ordered list you can change from the default numbering system to alphabetic characters or roman numerals, for example:

```
<ol>
 <li>TechOnTheNet.com</li>
 <li>CheckYourMath.com</li>
 <li>BigActivities.com</li>
</ol>
```

I. TechOnTheNet.com
II. CheckYourMath.com
III. BigActivities.com

```
ol {
    list-style-type: upper-roman;
}
```

Styling lists – No bullets or numbers

- If you want no bullets or numbers, the value is **none**:

Biology

Evolution

Natural Selection

Genetics

Erasmus Darwin

Lamarck

Charles Darwin

Fisher

Dawkins

```html
<nav>
 <ul>
  <li><a href="#">Biology</a></li>
  <li><a href="#">Evolution</a></li>
  <li><a href="#">Natural Selection</a></li>
  <li><a href="#">Genetics</a> </li>
  <li><a href="#">Erasmus Darwin</a></li>
  <li><a href="#">Lamarck</a></li>
  <li><a href="#">Charles Darwin</a></li>
  <li><a href="#">Fisher</a></li>
  <li><a href="#">Dawkins</a> </li>
 </ul>
</nav>
```

```css
ul {
    list-style-type: none;
    padding: 2em;
    background-color:orange;
    margin:2em;
}
```

Styling lists

- Two other properties available to lists are:
  - list-style-position (inside and outside(default))
  - list-style-image

Styling lists – list-style-image

```html
<ul>
  <li>Item one</li>
  <li>Item two</li>
  <li>Item three</li>
  <li>Item four</li>
  <li>Item five</li>
</ul>
```

```css
ul {
    list-style-image: url(images/arrow.gif);
}
```

» Item one
» Item two
» Item three
» Item four
» Item five