

CSC 213: Web Application Development

CSS Links

Lecture 6

CSS Links

- Links can be styled in different ways. Links can be styled with any CSS property (e.g. color, font-family, background, etc.).
- Special for links are that they can be styled differently depending on what state they are in.
- The four links states are:

CSS Links

`a:link` - a normal, unvisited link

`a:visited` - a link the user has visited

`a:hover` - a link when the user mouses over it

`a:active` - a link the moment it is clicked

Example

```
a:link {color:#FF0000;} /* unvisited link */
```

```
a:visited {color:#00FF00;} /* visited link */
```

```
a:hover {color:#FF00FF;} /* mouse over link */
```

```
a:active {color:#0000FF;} /* selected link */
```

NB:

a:hover MUST come after a:link and a:visited

a:active MUST come after a:hover

Common Link Styles

In the example above the link changes color depending on what state it is in.

Text Decoration

The text-decoration property is mostly used to remove underlines from links:

Example

```
a:link {text-decoration:none;}
```

```
a:visited {text-decoration:none;}
```

```
a:hover {text-decoration:underline;}
```

```
a:active {text-decoration:underline;}
```

Background Color

The background-color property specifies the background color for links:

Example

```
a:link {background-color:#B2FF99;}
```

```
a:visited {background-color:#FFFF85;}
```

```
a:hover {background-color:#FF704D;}
```

```
a:active {background-color:#FF704D;}
```

CSS Lists

The CSS list properties allow you to:

- Set different list item markers for ordered lists
- Set different list item markers for unordered lists
- Set an image as the list item marker

CSS Lists

In HTML, there are two types of lists:

unordered lists - the list items are marked with bullets

ordered lists - the list items are marked with numbers or letters

With CSS, lists can be styled further, and images can be used as the list item marker

Different List Item Markers

The type of list item marker is specified with the list-style-type property:

Example

```
ul.a {list-style-type: circle;}
```

```
ul.b {list-style-type: square;}
```

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

```
ol.d {list-style-type: lower-alpha;}
```

An Image as The List Item Marker

To specify an image as the list item marker, use the list-style-image property:

Example

```
ul
```

```
{
```

```
list-style-image: url('sqpurple.gif');
```

```
}
```

Crossbrowser

- The example above does not display equally in all browsers.
- IE and Opera will display the image-marker a little bit higher than Firefox, Chrome, and Safari.
- If you want the image-marker to be placed equally in all browsers, a crossbrowser solution is explained below.

```
ul
{
list-style-type: none;
padding: 0px;
margin: 0px;
}
li
{
background-image: url(sqpurple.gif);
background-repeat: no-repeat;
background-position: 0px 5px;
padding-left: 14px;
}
```

Example explained:

For ul:

Set the list-style-type to none to remove the list item marker

Set both padding and margin to 0px (for cross-browser compatibility)

For li:

Set the URL of the image, and show it only once (no-repeat)

Position the image where you want it (left 0px and down 5px)

Position the text in the list with padding-left

List - Shorthand property

- It is also possible to specify all the list properties in one, single property.
- This is called a shorthand property.
- The shorthand property used for lists, is the list-style property:

```
ul  
{  
  list-style: square url("sqpurple.gif");  
}
```

When using the shorthand property, the order of the values are:

list-style-type

list-style-position

list-style-image

CSS Tables