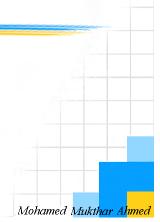
More on Images

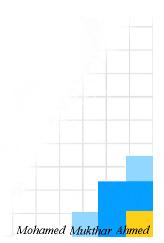


More on Images

Outline

More on Images
Resize an Image
Align Images Vertically
Float an Image
HTML5 figure & figcaption Elements
Working with Thumbnails
Image Rollovers
Getting Images & Icons





More on Images

- We are already aware of the different types of images supported by the element
- JPEG files used for photographs & scanned images
 - Represent millions of colors and they use a type of compression that can display complex images with small file size
 - High quality images. Don't support transparency
- GIF files used for small illustrations or logos
 - Limited number of colors. Can contain an animated image, which is nothing but a series of frames
- PNG files were developed specifically for Web
 - Developed as a replacement for GIF
 - Support for millions of colors, better compressed and variable transparency

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Resize an Image

- We can resize an Image by using CSS properties
- If we specify either height or width (or both) property/properties the image will be resized
- NOTE: The image will still be downloaded at its full size
- Best way to resize is use an Image Editor

The HTML for two images

```
<img src="images/students.jpg" alt="teacher and students"
    height="300" width="400">&nbsp;&nbsp;
<img id="small" src="images/students.jpg" alt="teacher and students">
```

CSS for resizing the second image

```
#small {
    height: 150px;
    width: 200px; }
```

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Align Image Vertically

If we want to align an image with the inline elements surrounding it, use the vertical-align property

Property	Description
vertical-align	A relative or absolute value or a keyword that determines the vertical alignment of an image. See the table below for common keywords.
Keyword	Description
bottom	Aligns the bottom of the image box with the bottom of the box that contains the adjacent in-line elements.
middle	Aligns the midpoint of the image box with the midpoint of the containing block.
top	Aligns the top of the image box with the top of the box that contains the adjacent in-line elements.
text-bottom	Aligns the bottom of the image box with the bottom of the text in the containing block.
text-top	Aligns the top of the image box with the top of the text in the containing block.

Float an Image

■ The properties for floating an image

Property	Description	
float	A keyword that determines how an image is floated. Possible values are left, right, and none. None is the default.	863
clear	A keyword that determines if an element that follows a floated element flows into the space left by the floated element. Possible values are left, right, both, and none. None is the default.	
		2
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Float an Image

Some of the HTML for a web page

```
<img src="images/students.jpg" alt="teacher and students">
      in college and university MIS programs that focus on providing
         students with practical, real-world experience
      >by technical institutes and community colleges that focus on the
         skills that employers are looking for
      professionals who are expanding their skills
  So if your program fits one of those profiles, please take
  a look at our books. I' m confident you' ll discover a new level
  of structure, clarity, and relevance that will benefit both you and your
  students.
CSS that floats the image and clears the last paragraph
  img {
      float: left;
      margin-top: 15px;
      margin-bottom: 10px; }
   #last { clear: left; }
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```

HTML5 figure and figcaption elements

- In HTML5 we can use the figure and figcaption with anything that is used as a figure like an image, table or a code snippet
- By default, the figcaption element is an inline element. We can use CSS display property to change it to a block element

HTML5 figure and figcaption elements

The HTML for the figure and figcaption elements

```
<article>
       <h1>Fossil Threads in the Web of Life</h1>
       <figure>
           <img src="images/sampson dinosaur.jpg" alt="Scott Sampson">
           <figcaption>Scott Sampson and friend</figcaption>
       What's 75 million years old and brand spanking new? A teenage
       </article>
The CSS for the figure and figcaption elements
       float: left;
       margin-right: 1.5em; }
   figcaption {
      display: block;
       font-weight: bold;
       padding-top: .25em;
       margin-bottom: 1em;
       border-bottom: 1px solid black; }
                                                    Mohamed Mukthar Ahmed
```

Working with Thumbnails

- For some pages, we want to display images at a small size because we can fit more on the page
- However, we want a way for user to display the image at a larger size
- Very common with e-commerce pages
- When a group of small images are displayed, the images are typically referred as thumbnails
- By default, the figcaption element is an inline element.
 We can use CSS display property to change it to a block element

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Working with Thumbnails

Thumbnails in a web page



The photo that's displayed when the fifth thumbnail is clicked



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Image Rollovers

Although JavaScript is often used for image rollovers, we can do them without JavaScript

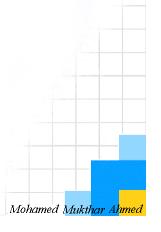
The HTML for the page

```
<body>
    <h1>Ram Tap Combined Test</h1>

</body>
```

The CSS for the image rollover

```
#image1 {
    background-image: url("h1.jpg");
    width: 434px;
    height: 312px;
}
#image1:hover {
    background-image: url("h2.jpg");
}
```



Getting Images & Icons

- Popular web sites for images
 - www.sxc.hu
 - www.freefoto.com
 - www.openphoto.net
 - www.google.com/imghp

Popular programs and tools for creating icons

Program/tool	Description	
Axialis Icon Workshop	A software product that lets you create, edit, and convert icons. For more information, go to www.axialis.com/iconworkshop/ .	
Photoshop plug-in	Free software that you can use with Photoshop. To download, go to www.telegraphics.com.au/sw/ .	
IrfanView	A free image converter that you can download from www.irfanview.com.	l
FavIcon from Pics	A free image converter that you can run online at: www.html-kit.com/favicon/.	

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