

POST-CLASS LEARNING AND PRACTICE 3.4: MANAGE THE GRAPHICAL INTERFACE BY USING CSS

Lesson Objective 3.4:

Manage the graphical interface by using CSS.

Additional learning resources:

MSDN®:

Microsoft® Typography: <http://www.microsoft.com/typography/WEFT.msp>

How to Add Rounded Corners with CSS:

<http://msdn.microsoft.com/library/gg589503.aspx>

Internet Explorer® Learning – CSS3: <http://msdn.microsoft.com/en-us/ie/gg593671>

Other resources (books, e-reference):

Google Web Fonts: <http://code.google.com/webfonts>

W3Schools:

<http://www.w3schools.com/css3/default.asp>

Note: Support for HTML5 and CSS3 is changing and developing quickly. The list of resources is current as of January 2012. Check resources for current and up-to-date information at the time of classroom use.

Resources, software, and additional files needed for this lesson:

1. None

Student activity:

Directions to the student:

Read the following scenario and answer the questions. Verify your answers with the instructor.

Scenario:

Tamar has hired a local web designer to create a website to showcase her photographic work. She wants to keep the site simple so that her work is the most prominent feature.

Most of her photographs were taken at weddings or at other special family events. The site must reflect her unique photographic style. Tamar gave the designer her promotional brochure because she wants the site to match the brochure style and fonts.

Content:

1. If Tamar provides the designer with a font file, what steps should the designer follow to include the new font in the site design?
2. The designer noticed that the brochure has borders with rounded edges on the upper left and bottom right. Write the code to create this effect.
3. What CSS3 commands can the designer use to rotate an image 30 degrees for greater visual impact in various browsers?

KEY 3.3: MANAGE THE GRAPHICAL INTERFACE BY USING CSS.

Content:

1. If Tamar provides the designer with a font file, what steps should the designer follow to include the new font in the site design?
 - a. Obtain the font file from the designer of the brochure.
 - b. Make sure the file format is Embedded OpenType Format (EOT extension). If not, convert it to Embedded OpenType Format.
 - c. Place the file in the same folder as the website.
 - d. Add this style to the CSS file or in the head section of the document:

```
@font-face
{
  font-family: photographerFont;
  src: url('PhotographerFont.ttf'),
       url('PhotographerFont.eot'); /* IE */
}
```

2. The designer noticed that the brochure has borders with rounded edges on the upper left and bottom right. Write the code to create this effect.

```
div
{
  border:2px solid;
  border-top-left-radius:20px;
  border-bottom-right-radius:20px;
}
```

3. What CSS3 statements can the designer use to rotate an image 30 degrees for greater visual impact in various browsers?

```
div
{
  transform: rotate(30deg);
  -ms-transform: rotate(30deg); /* IE 9 */
  -moz-transform: rotate(30deg); /* Firefox */
  -webkit-transform: rotate(30deg); /* Safari and Chrome */
  -o-transform: rotate(30deg); /* Opera */
}
```

Note: This demonstrates using the transform rotate property with vendor-specific tags.