**Unit\_4\_Lab\_Visual\_Elements\_and\_Graphics**

**Apply Your Knowledge**

**1. Predict the Result.** Draw and write a brief description of the web page that will be created with the following HTML code:

<!DOCTYPE html>

<html lang="en">

<head>

<title>Predict the Result</title>

<meta charset="utf-8">

</head>

<body>

<header> <img src="logo.gif" alt="CircleSoft Design" height="100"

width="1000">

</header>

<nav> Home <a href="about.html">About</a>

<a href="services.html">Services</a>

</nav>

<main><p>Our professional staff takes pride in its working

relationship with our clients by offering personalized services

that take their needs into account, develop their target areas, and

incorporate these items into a website that works.</p>

</main>

</body>

</html>

**2. Fill in the Missing Code.** This web page contains an image link and should be config- ured so that the background and text colors have good contrast. The image used on this web page should link to a page called services.html. Some HTML attribute values, indicated by "\_", are missing. Some CSS style rules, indicated by "\_", are incomplete. The code follows:

<!DOCTYPE html>

<html lang="en">

<head>

<title>CircleSoft Design</title>

<meta charset="utf-8">

<style>  
body { **"\_"**: **"\_"**;

color: **"\_"**;

}

</style>

</head>

<body>

<div>

<a href=**"\_"**><img src="logo.gif" alt=**"\_"** height="100" width="1000">

<br>Enter CircleSoft Design</a>

</div>

</body>

</html>

**3. Find the Error.** This page displays an image called trillium.jpg. The image is 307 pixels wide by 200 pixels high. When this page is displayed, the image does not look right. Find the error. Describe any attributes that you would code in the <img> tag to pro- vide accessibility. The code follows:

<!DOCTYPE html>

<html lang="en">

<head>

<title>Find the Error<title>

<meta charset="utf-8">

</head>

<body>

<img src="trillium.jpg" height="100" width="100">

</body>

</html>

**Hands-On Exercises**

1. Write the HTML to place an image called primelogo.gif on a web page. The image is 100 pixels high by 650 pixels wide.
2. Write the HTML to create an image for the schaumburgthumb.jpg image. It is 100 pixels high by 150 pixels wide. The image should link to a larger image called schaumburg.jpg. There should be no border on the image.
3. Write the HTML to create a nav element that contains three images used as navigation links. Table 4.5 provides information about the images and their associated links.

**Table 4.5**

**ImageGraphical user interface, website

Description automatically generated Name Link Page Name Image Height Image Width**

1. Experiment with page backgrounds. Locate the twocolor.gif file in the student files chapter4/starters folder. Design a web page that uses this file as a background image that repeats down the left side of the browser window. Save your file as bg1.html.
2. Experiment with page backgrounds. Locate the twocolor1.gif file in the student files chapter4/starters folder. Design a web page that uses this file as a background image that repeats across the top of the browser window. Save your file as bg2.html.
3. Visit one of your favorite websites. Note the colors used for background, text, headings, images, and so on. Write a paragraph that describes how the site uses color for these elements. Code a web page that uses colors in a similar manner. Save your file as color.html.
4. Practice with CSS.
   1. Write the CSS for an HTML selector footer with the following characteristics: a light- blue background color, Arial font, dark-blue text color, 10 pixels of padding, and a narrow, dashed border in a dark-blue color.
   2. Write the CSS for an id named **notice** that is configured to 80% width and centered.
   3. Write the CSS to configure a class that will produce a headline with a dotted line underneath it. Choose a color that you like for the text and dotted line.
   4. Write the CSS to configure an h1 element selector with drop-shadow text, a 50% transparent background color, and sans-serif font that is 4em in size.
   5. Write the CSS to configure an id named **feature** with small, red, Arial font; a white background; a width of 80%; and a drop shadow.
5. Design a new web page about you. Use CSS to configure a background color and text color for the page. Include the following on your web page:
   1. Your name
   2. A description of your favorite hobbies and activities
   3. A photo of yourself (be sure to optimize the image for display on the Web)

Save the page as yourlastname.html.

1. Design a web page that provides a list of resources for free stock photographs. The list should contain at least five different websites. Use your favorite graphic sites, the sites suggested in this chapter, or sites you have found on the Web. Save the page as freegraphics.html.