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THIRD
EDITION

Sams **Teach Yourself**

HTML, CSS, and JavaScript

All in **One**

Pearson

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```
<body>
  <section>
    <header>
      <h1>More Spectacular Yosemite Views</h1>
    </header>
    <p><img src="elcap_sm.jpg" alt="El Capitan"
    style="float:left;padding:12px;width:100px;height:75px;"><strong>El
    Capitan</strong> is a 3,000-foot (910 m) vertical rock formation
    in Yosemite National Park, located on the north side of Yosemite
    Valley, near its western end. The granite monolith is one of the
    world's favorite challenges for rock climbers. The formation was
    named "El Capitan" by the Mariposa Battalion when it explored the
    valley in 1851.</p>
    <p><img src="tunnelview_sm.jpg" alt="Tunnel View"
    style="float:right;padding:12px;width:100px;height:80px;"><strong>Tunnel
    View</strong> is a viewpoint on State Route 41 located directly east
    of the Wawona Tunnel as one enters Yosemite Valley from the south.
    The view looks east into Yosemite Valley including the southwest face
    of El Capitan, Half Dome, and Bridalveil Falls. This is, to many, the
    first views of the popular attractions in Yosemite.</p>
  </section>
</body>
</html>
```
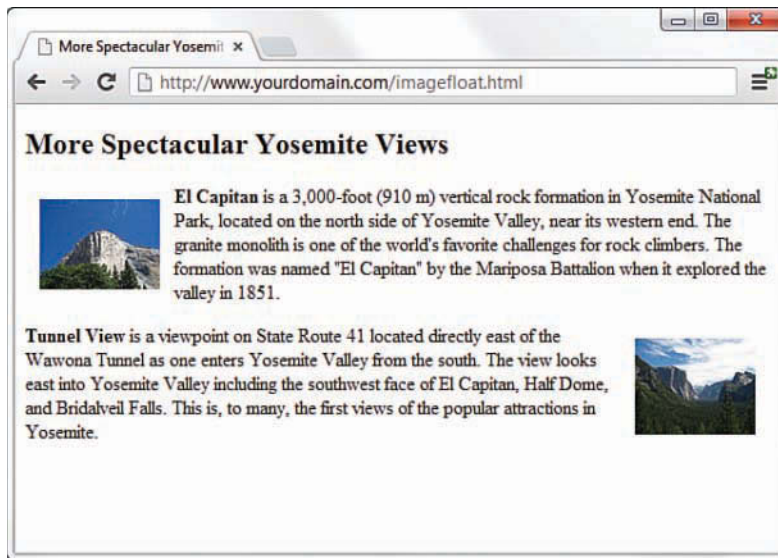

FIGURE 8.13
Showing the image alignment from Listing 8.3.

NOTE

Notice the addition of padding in the `style` attribute for both `<img>` tags used in Listing 8.3. This padding provides some breathing room between the image and the text—12 pixels on all four sides of the image. You'll learn more about padding in Lesson 9, "Working with Margins, Padding, Alignment, and Floating."

Vertical Image Alignment

Sometimes you want to insert a small image in the middle of a line of text, or you want to put a single line of text next to an image as a caption. In either case, having some control over how the text and images line up vertically would be handy. Should the bottom of the image line up with the bottom of the letters, or should the text and images all be arranged so that their middles line up? You can choose between these and several other options:

▶ To line up the top of an image with the top of the tallest image or letter on the same line, use this:

```
<img style="vertical-align:text-top;">
```

▶ To line up the bottom of an image with the bottom of the text, use this:

```
<img style="vertical-align:text-bottom;">
```

▶ To line up the middle of an image with the overall vertical center of everything on the line, use this:

```
<img style="vertical-align:middle;">
```

▶ To line up the bottom of an image with the baseline of the text, use this:

```
<img style="vertical-align:baseline;">
```

NOTE

The `vertical-align` CSS property also supports the values `top` and `bottom`, which can align images with the overall top or bottom of a line of elements, regardless of any text on the line.

All four of these options are used in Listing 8.4 and displayed in Figure 8.14. Four thumbnail images are now listed vertically down the page, and descriptive text appears next to each image. Various settings for the `vertical-align` CSS property are used to align each image and its relevant text. This is certainly not the most beautiful page, but it should help make the various alignments clear.

LISTING 8.4   Using `vertical-align` Styles to Align Text with Images

```
<!doctype html>
<html lang="en">
  <head>
    <meta charset="utf-8">
    <title>Small But Mighty Spectacular Yosemite Views</title>
  </head>
  <body>
    <section>
      <header>
        <h1>Small But Mighty Yosemite Views</h1>
      </header>
      <p><img src="elcap_sm.jpg" alt="El Capitan"
      style="width:100px;height:75px;vertical-align:text-top;"><strong>El
      Capitan</strong> is a 3,000-foot (910 m) vertical rock formation
      in Yosemite National Park.</p>
      <p><img src="tunnelview_sm.jpg" alt="Tunnel View"
      style="width:100px;height:80px;vertical-align:text-bottom;">
      <strong>Tunnel View</strong> looks east into Yosemite Valley.</p>
      <p><img src="upperyosefalls_sm.jpg" alt="Upper Yosemite Falls"
      style="width:87px;height:100px;vertical-align:middle;"><strong>Upper
      Yosemite Falls</strong> are 1,430 ft and are among the twenty highest
      waterfalls in the world. </p>
      <p><img src="hangingrock_sm.jpg" alt="Hanging Rock"
      style="width:100px;height:75px;vertical-align:baseline;">
      <strong>Hanging Rock</strong>, off Glacier Point, used to be a popular
      spot for people to, well, hang from. Crazy people.</p>
    </section>
  </body>
</html>
```

NOTE

If you don't assign any `vertical-align` CSS property in an `<img>` tag or class used with an `<img>` tag, the bottom of the image will line up with the baseline of any text next to it. This means you never have to use `vertical-align:baseline;` because it is assumed by default. However, if you specify a margin for an image and intend for the alignment to be a bit more exact in relationship to the text, you might want to explicitly set the `vertical-align` property to `text-bottom`.
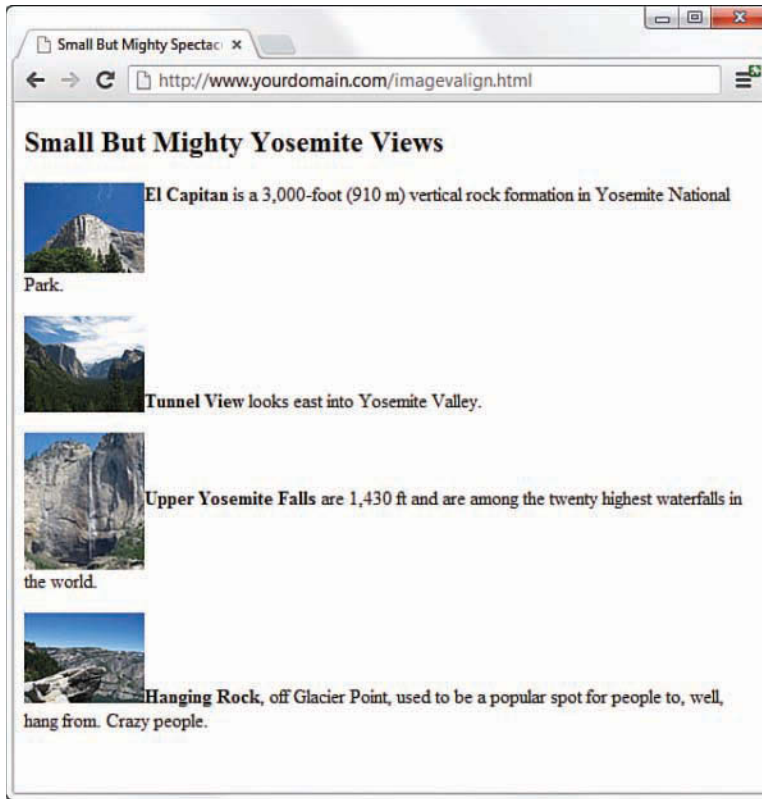
FIGURE 8.14
Showing the vertical image alignment options used in Listing 8.4.

Turning Images into Links

You probably noticed in Figure 8.11 that the image on the page is quite large. This is fine in this particular example, but it isn't ideal when you're trying to present multiple images. It makes more sense to create smaller image thumbnails that link to larger versions of each image. Then you can arrange the thumbnails on the page so that visitors can easily see all the written content, even if they see only a smaller version of the actual (larger) image. Using thumbnails is one of the many ways you can use image links to spice up your pages.

To turn any image into a clickable link to another page or image, you can use the `<a>` tag that you learned about in Lesson 7 to make text links. Listing 8.5 contains the code to display thumbnails of images within text, with those thumbnails linking to larger versions of the images. To ensure that the user knows to click the thumbnails, the image and some helper text are enclosed in a `<div>`, as shown in Figure 8.15.

LISTING 8.5   Using Thumbnails for Effective Image Links

```
<!doctype html>
<html lang="en">
  <head>
    <meta charset="utf-8">
    <title>More Spectacular Yosemite Views</title>
    <style>
    div.imageleft {
      float: left;
      text-align: center;
      font-size: 10px;
      font-style: italic;
    }
    div.imageright {
      float: right;
      text-align: center;
      font-size: 10px;
      font-style: italic;
    }
    img {
      padding: 6px;
      border: none;
    }
    </style>
  </head>
  <body>
    <section>
      <header>
        <h1>More Spectacular Yosemite Views</h1>
      </header>
      <div class="imageleft">
        <a href="http://www.flickr.com/photos/nofancyname/614253439/"><img
        src="elcap_sm.jpg" alt="El Capitan"
        style="width:100px; height:75px;"></a>
        <br>click image to enlarge
      </div>
      <p><strong>El Capitan</strong> is a 3,000-foot (910 m) vertical rock
      formation in Yosemite National Park, located on the north side of
      Yosemite Valley, near its western end. The granite monolith is one
      of the world's favorite challenges for rock climbers. The formation
      was named "El Capitan" by the Mariposa Battalion when it explored
      the valley in 1851.</p>
      <div class="imageright">
        <a href="http://www.flickr.com/photos/nofancyname/614287355/"><img
        src="tunnelview_sm.jpg" alt="Tunnel View"
        style="width:100px; height:80px;"></a>
        <br>click image to enlarge
```

```
      </div>
      <p><strong>Tunnel View</strong> is a viewpoint on State Route 41
         located directly east of the Wawona Tunnel as one enters Yosemite
         Valley from the south. The view looks east into Yosemite Valley
         including the southwest face of El Capitan, Half Dome, and
         Bridalveil Falls. This is, to many, the first views of the
         popular attractions in Yosemite.</p>
    </section>
  </body>
</html>
```
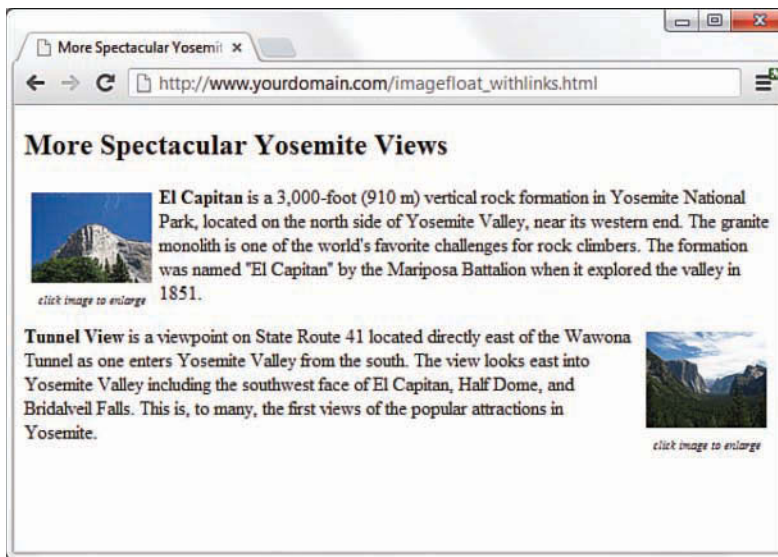

FIGURE 8.15
Using thumbnails as links improves the layout of a page that uses large images.

The code in Listing 8.5 uses additional styles that are explained in more detail in other lessons, but you should be able to figure out the basics:

▶ The <a> tags link these particular images to larger versions, which, in this case, are stored on an external server (at Flickr).

▶ The <div> tags, and their styles, are used to align those sets of graphics and caption text (and also include some padding).

Unless instructed otherwise, web browsers display a colored border around the edge of each image link. As with text links, the rectangle usually appears blue for links that haven't been visited recently and purple for links that have been visited recently—unless you specify