

WEB DEVELOPMENT & DESIGN FOUNDATIONS WITH HTML5

Chapter 7 Key Concepts

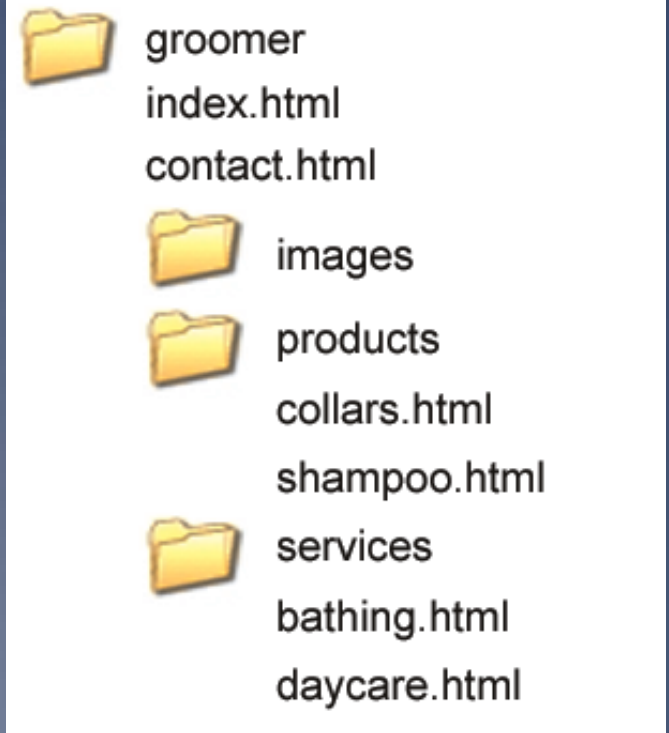
LEARNING OUTCOMES

In this chapter, you will learn how to ...

- ▶ Code relative hyperlinks to web pages in folders within a website
- ▶ Configure a hyperlink to a named fragment internal to a web page
- ▶ Configure images with CSS sprites
- ▶ Configure a three-column page layout using CSS
- ▶ Configure CSS for printing
- ▶ Configure CSS for mobile display
- ▶ Utilize CSS3 media queries to target mobile devices

MORE ON RELATIVE LINKING

Relative links from the
home page:
index.html



`Contact`

`Collars`

`Home`

`Dog Bathing`

OPENING A LINK IN A NEW BROWSER WINDOW

- ▶ The target attribute on the anchor element opens a link in a new browser window or new browser tab.

```
<a href="http://yahoo.com" target="_blank">Yahoo!</a>
```

HTML LINKING TO FRAGMENT IDENTIFIERS

- A link to a part of a web page
- Also called named fragments, fragment ids
- Two components:
 1. The element that identifies the named fragment of a web page. This requires the id attribute.

```
<div id="top"> ..... </div>
```

2. The anchor tag that links to the named fragment of a web page. This uses the href attribute.

```
<a href="#top">Back to Top</a>
```

Note the use of the # in the anchor tag!

HTML5 BLOCK ANCHOR

- ▶ Configure block display elements within a hyperlink

```
<a href="http://www.w3.org/TR/html-markup">  
<h1>HTML5 Reference</h1>  
<p>Bookmark this site for a handy HTML5 reference.</p>  
</a>
```



TELEPHONE & TEXT MESSAGE HYPERLINKS

► Telephone Scheme

```
<a href="tel:888-555-5555">Call 888-555-5555</a>
```

Many mobile browsers will initiate a phone call when the hyperlink is clicked.

► SMS Scheme

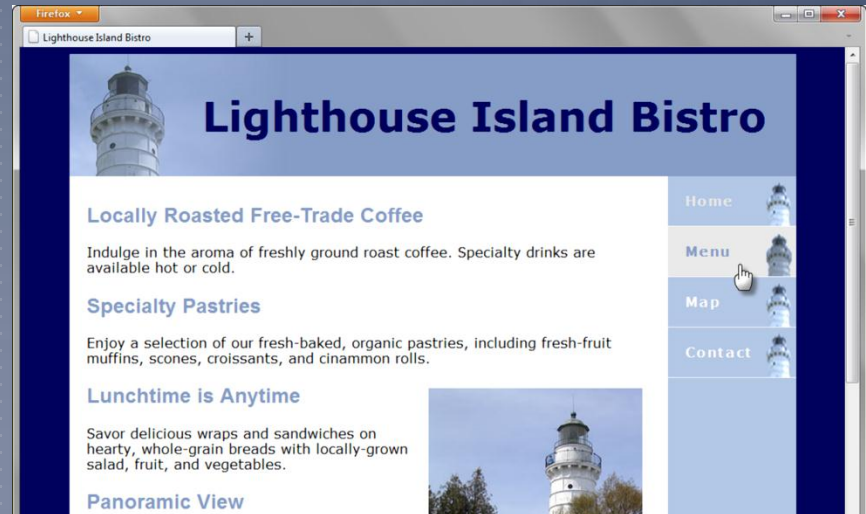
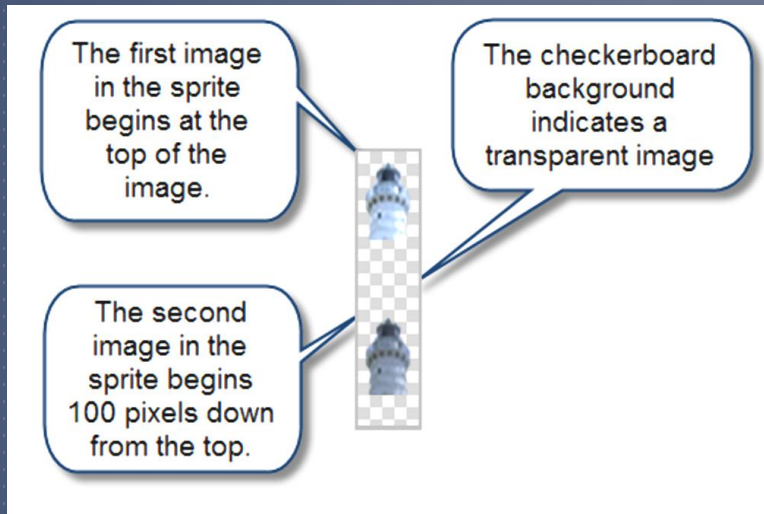
```
<a href="sms:888-555-5555">Text 888-555-5555</a>
```

Many mobile browsers will initiate a text message to the phone number when the hyperlink is clicked.

CSS SPRITES

► Sprite

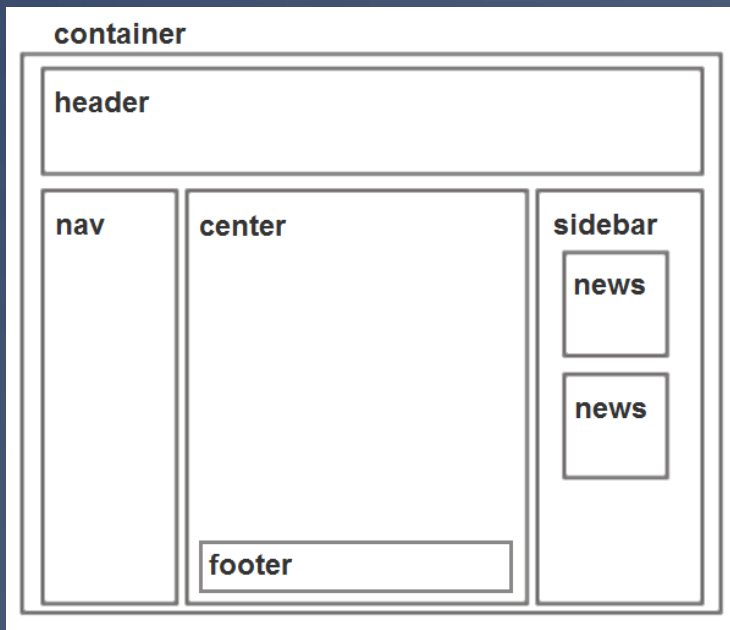
- an image file that contains multiple small graphics
- advantage: saves download time



CHECKPOINT

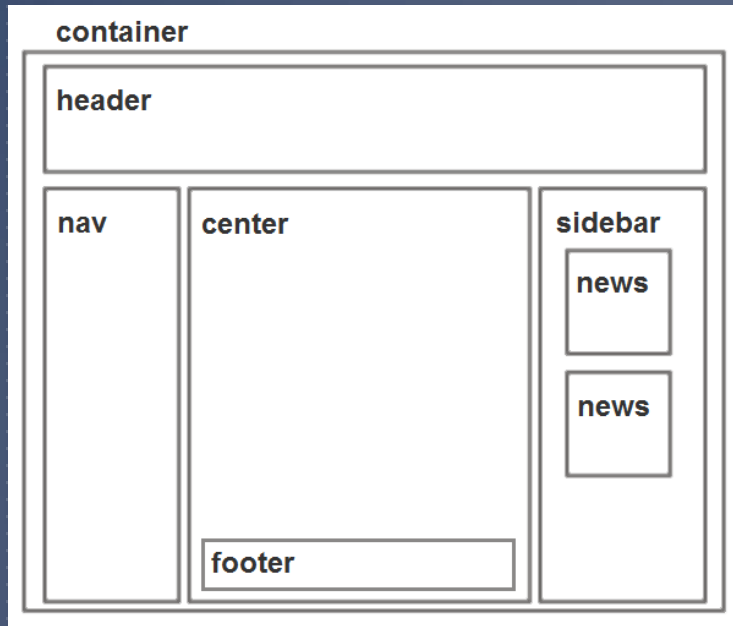
1. Describe a reason to organize the files in a website using folders and subfolders.
2. Which attribute configures a hyperlink to open the file in a new browser window or tab?
3. State an advantage of using CSS sprites in a website.

THREE COLUMN PAGE LAYOUT



A common web page layout consists of a header across the top of the page with three columns below: navigation, content, and sidebar.

THREE COLUMN LAYOUT



- ▶ container sets default background color, text color, font typeface, and a minimum width
- ▶ **Left-column navigation**
 - ▶ float: left; width: 150px;
- ▶ **Right-column content**
 - ▶ float: right; width: 200px;
- ▶ **Center column**
 - ▶ Uses the remaining screen room available room after the floating columns display
 - ▶ margin: 0 210px 0 160px;
- ▶ **Footer – clears the float**
 - ▶ clear: both;