

Practice

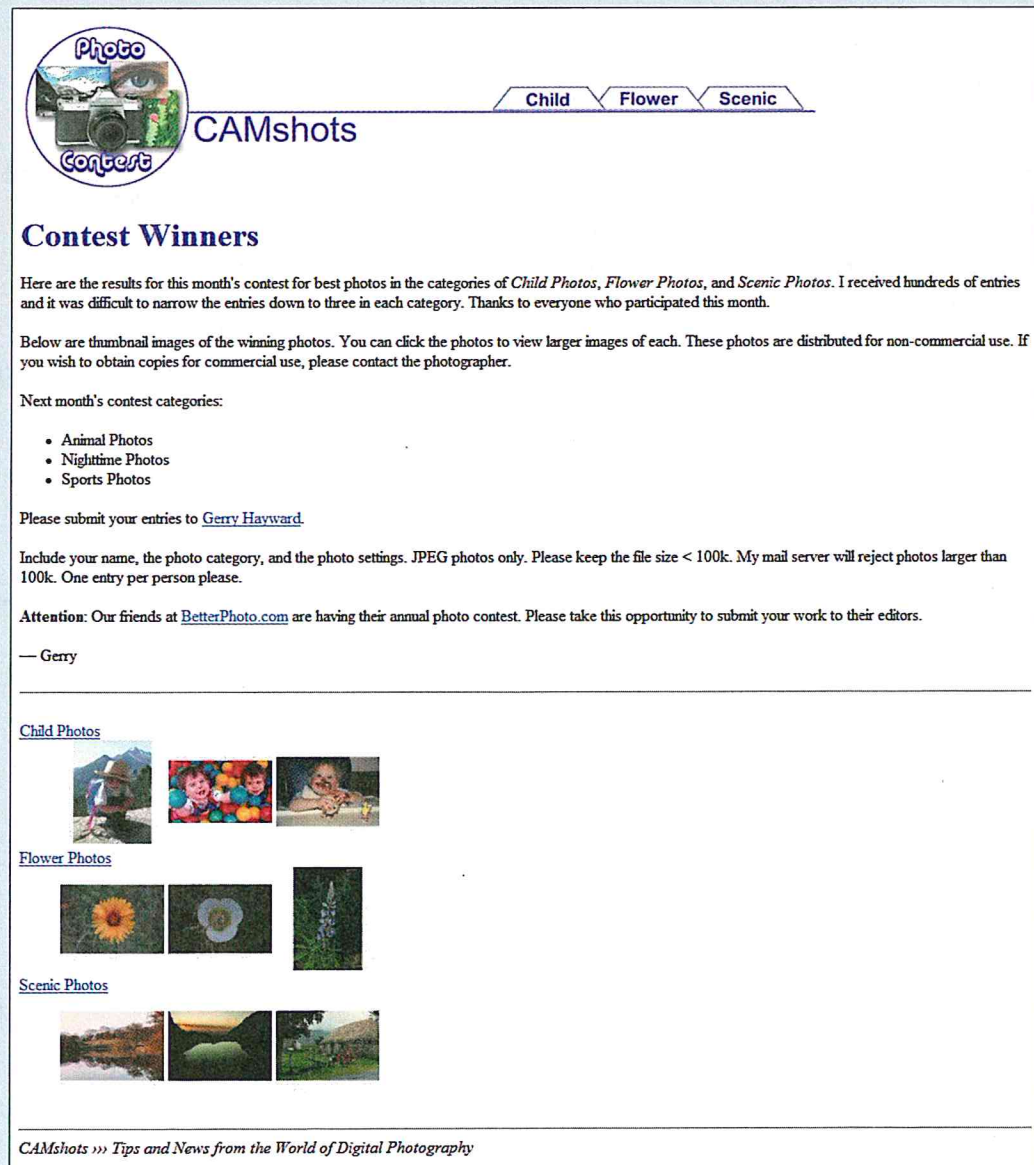
| Review Assignments

Practice the skills you learned in the tutorial using the same case scenario.

Data Files needed for the Review Assignments: child1.jpg - child3.jpg, childtxt.htm, contest0.jpg - contest3.jpg, contesttxt.htm, flower1.jpg - flower3.jpg, flowertxt.htm, scenic1.jpg - scenic3.jpg, scenictxt.htm, and thumb1.jpg - thumb9.jpg

Gerry has been working on the CAMshots Web site for a while. During that time, the site has grown in popularity with amateur photographers. Gerry wants to host a monthly photo contest to highlight the work of his colleagues. Each month Gerry will pick the three best photos from different photo categories. He's asked for your help in creating the collection of Web pages highlighting the winning entries. Gerry has already created four pages. The first page contains information about the photo contest; the next three pages contain the winning entries for child photos, scenic photos, and flower photos. Although Gerry has already entered much of the page content, he needs you to work on creating the links between and within each page. Figure 2-48 shows a preview of the photo contest's home page.

Figure 2-48



Tutorial Summary

Review

In this tutorial you explored some of the issues involved in creating a Web site with several linked pages. The first session began with an overview of storyboarding as a tool for designing and maintaining complex Web site structures. The session then turned to creating a simple Web site involving three Web pages linked together with the `<a>` tag element. The second session focused on creating links to locations within documents, first examining how to mark a location by using the `id` attribute and the anchor element. It then covered how to create links to these locations from within the same document and from within another document. The second session concluded by examining how to use inline images and image maps to create links to several documents. The third session expanded the discussion of hypertext by showing how to create links to sites on the World Wide Web and non-Web locations, including FTP sites and e-mail addresses. The third session then examined how to set different hypertext attributes to control how the browser displays and reacts to hypertext links. The session and the tutorial concluded by discussing the uses of the meta element for conveying information to Web search engines.

Key Terms

absolute path	home page	relative path
augmented linear structure	hotspot	semantic link
client-side image map	HTTP	server-side image map
domain name	Hypertext Transfer Protocol	sibling folder
e-mail harvester	image map	site index
escape characters	linear structure	spam
extension	metadata	storyboard
File Transfer Protocol	mixed structure	tooltip
FTP	protected structure	Uniform Resource Locator
FTP server	protocol	URL
hierarchical structure		

Complete the following:

1. Use your text editor to open the **contesttxt.htm**, **childtxt.htm**, **scenictxt.htm**, and **flowertxt.htm** files from the tutorial.02\review folder included with your Data Files. Enter **your name** and **the date** within each file, and then save them as **contest.htm**, **child.htm**, **scenic.htm**, and **flower.htm**, respectively, in the same folder.
2. Go to the **child.htm** file in your text editor. Locate the inline image within the first div element at the top of the file. Directly below the inline image insert an image map with the following properties:
 - Set the id and name of the image map to **contestmap**.
 - Add a polygonal hotspot pointing to the **child.htm** file containing the points (457, 84), (474, 63), (549, 63), and (566, 84). Specify "Child Photos" as the alternate text for the hotspot.
 - Add a polygonal hotspot pointing to the **flower.htm** file containing the points (554, 84), (571, 63), (646, 63), and (663, 84). Specify "Flower Photos" as the alternate text for the hotspot.
 - Add a polygonal hotspot pointing to the **scenic.htm** file containing the points (651, 84), (668, 63), (743, 63), and (760, 84). Specify "Scenic Photos" as the alternate text for the hotspot.
 - Add a circular hotspot pointing to the **contest.htm** file centered at the point (82, 82) and having a radius of 78 pixels. Specify "Contest Results" as the alternate text for the hotspot.
3. Apply the **contestmap** image map to the logo image at the top of the page. Set the width of the border to 0.
4. Locate the three h2 elements naming the three child photo winners. Assign the h2 elements the ids **child1**, **child2**, and **child3**, respectively.
5. Save your changes to the **child.htm** file.
6. Go to the **scenic.htm** file in your text editor. Repeat Steps 2 and 3 for the logo image at the top of the page.
7. Assign the ids **scenic1**, **scenic2**, and **scenic3** to the three h2 elements located farther down in the file. Save your changes to the document.
8. Go to the **flower.htm** file in your text editor and repeat the same edits you applied to the **child.htm** and **scenic.htm** files. Assign the ids **flower1** through **flower3** to the three h2 headings located at the bottom of the document. Save your changes.
9. Go to the **contest.htm** file in your text editor. Repeat Steps 2 and 3 for the logo image at the top of the page.
10. Scroll to the definition list at the bottom of the file. Mark the definition term "Child Photos" as a hypertext link pointing to the **child.htm** file. Mark the definition term "Flower Photos" as a link to the **flower.htm** file. Mark the term "Scenic Photos" as a link to the **scenic.htm** file.
11. Following each definition term is a definition description containing three thumbnail images of the winning photos. Mark the nine thumbnail images as hypertext links pointing to the larger images (contained in the **child.htm**, **flower.htm**, and **scenic.htm** files). For example, mark the first child photo (**thumb1.jpg**) as a hypertext link pointing to the h2 element with the id **child1** in the **child.htm** file. Set the border width of each of the nine thumbnail images to 0.
12. Scroll up and locate the fourth paragraph. Mark the text "Gerry Hayward" as a hypertext link to an e-mail message sent to ghayward@camshots.com with the subject line "Photo Contest."

13. Go to the sixth paragraph and mark the text "BetterPhoto.com" as a hypertext link pointing to the URL <http://www.betterphoto.com>. Set the attribute of the link so that it opens in a new browser window or tab.
14. Save your changes to the **contest.htm** file.
15. Open **contest.htm** in your Web browser. Verify that the e-mail link opens a new mail message window with the subject line "Photo Contest." Verify that the link to BetterPhoto.com opens that Web site in a new browser window or tab. Verify that the three links to the photo pages are connected to the **child.htm**, **scenic.htm**, and **flower.htm** files. Finally, click each of the nine thumbnail images at the bottom of the page and verify that they connect to the larger image of the photo.
16. Open **child.htm** in your Web browser. Verify that the Scenic Photos link at the top of the page is connected to the **scenic.htm** file. Navigate forward and backward through the three photo pages by clicking the links at the top of each page. Verify that on each page you can return to the contest page by clicking the contest logo.
17. Submit your completed files to your instructor.

Apply

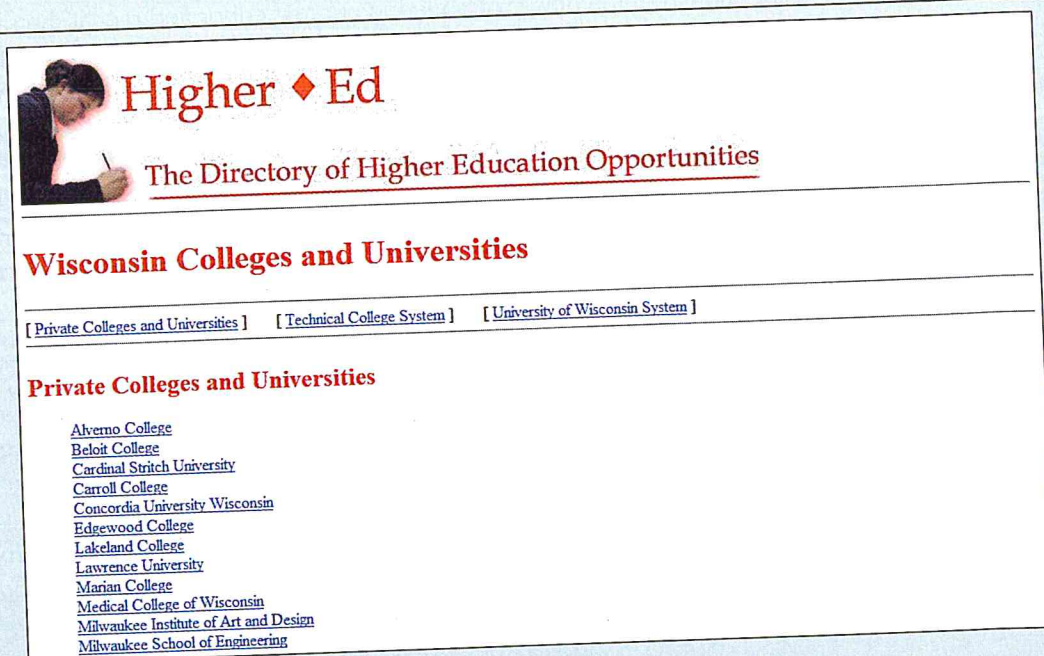
| Case Problem 1

Apply your knowledge of hypertext links to create a directory of universities and colleges.

Data Files needed for this Case Problem: **colleges.txt**, **higher.jpg**, and **uwlist.txt.htm**

HigherEd Adella Coronel is a guidance counselor for Eagle High School in Waunakee, Wisconsin. She wants to take her interest in helping students choose colleges to the Web by starting a Web site called *HigherEd*. She's come to you for help in creating the site. The first page she wants to create is a simple directory of Wisconsin colleges and universities. She's created the list of schools, but has not yet marked the entries in the list as hypertext links. Also, the list is very long, so she has broken it down into three categories: private colleges and universities, technical colleges, and public universities. Because of the length of the page, she wants to include hypertext links that allow students to jump down to a specific college category. Figure 2-49 shows a preview of the page you'll create for Adella.

Figure 2-49



Complete the following:

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1. In your text editor, open the **uwlisttxt.htm** file from the tutorial.02\case1 folder included with your Data Files. Enter **your name** and **the date** in the comment section of the file. Save the file as **uwlist.htm** in the same folder.
2. Mark each of the school entries on the page as a hypertext link. Use the URLs provided in the colleges.txt file. (Hint: Use the copy and paste feature of your text editor to efficiently copy and paste the URL text.)
3. Adella wants the links to the school Web sites to appear in a new tab or window. Because there are so many links on the page, add a base element to the document header specifying that all links will open by default in a new browser window or tab named "collegeWin."
4. Add the id names "private," "technical," and "public" to the three h2 headings that categorize the list of schools.
5. Create hyperlinks from the entries in the category list at the top of the page to the three headings.
6. For each of the hypertext links you marked in Step 5, set the link to open in the current browser window and not in a new browser window or tab.
7. Save your changes to the file.
8. Open **uwlist.htm** in your Web browser and verify that the school links all open in the same browser window or tab and that the links within the document to the different school categories bring the user to those locations on the page but not in a new window tab.
9. Submit your completed files to your instructor.

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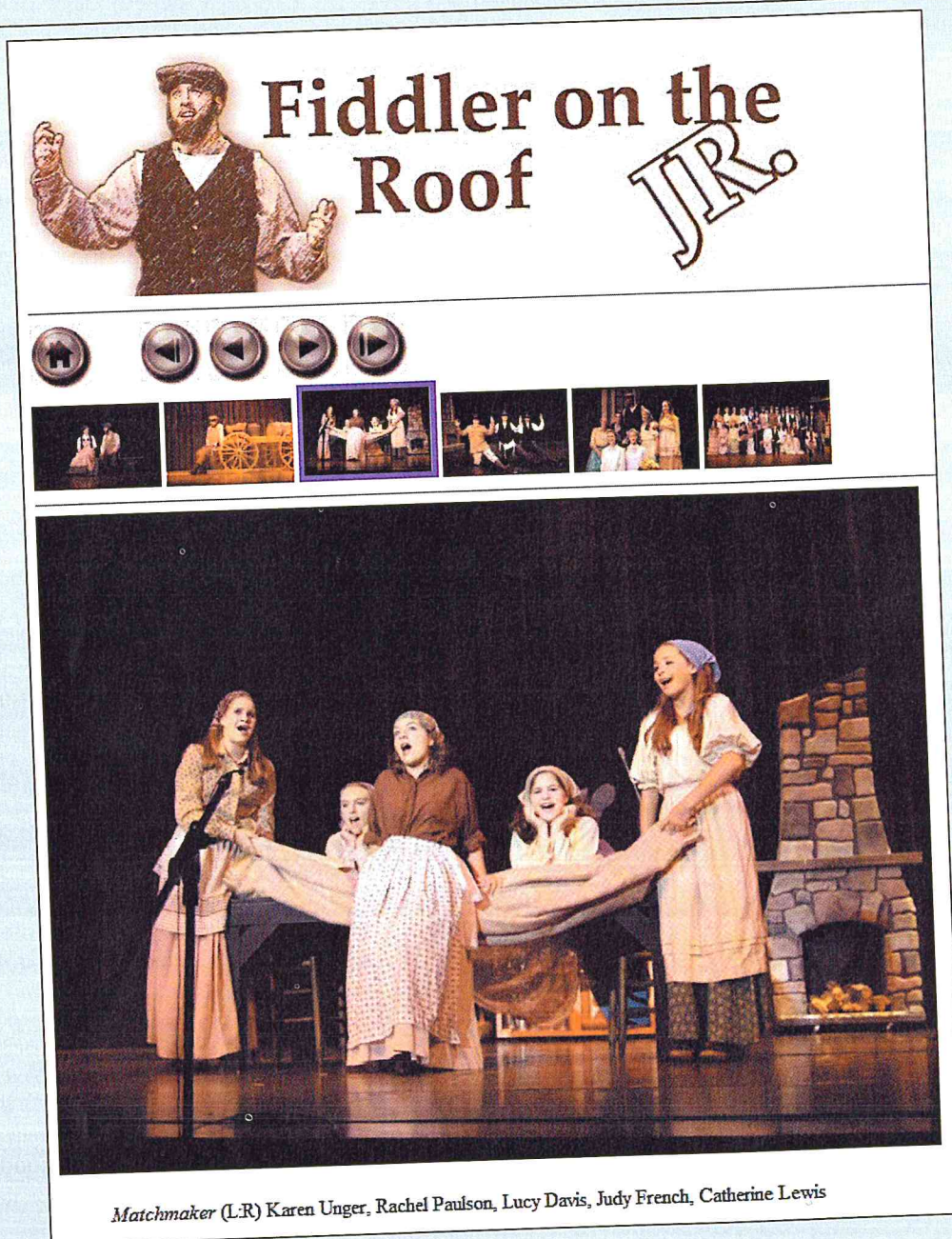
| Case Problem 2

Apply your knowledge of HTML to create a slide show Web site.

Data Files needed for this Case Problem: back.jpg, end.jpg, fiddler.jpg, forward.jpg, home.jpg, hometxt.htm, slide1.jpg - slide6.jpg, slide1txt.htm - slide6txt.htm, start.jpg, and thumb1.jpg - thumb6.jpg

Lakewood School Tasha Juroszek is a forensics teacher at Lakewood School, a small private school in Moultrie, Georgia. Tasha has just finished directing her students in *Fiddler on the Roof Jr.* and wants to place a slide show of the performances on the Web. She has already designed the layout and content of the pages, but needs help to finish the slide show. She has asked you to add hypertext links between the slide pages and the site's home page. Figure 2-50 shows a preview of one of the slide pages on the Web site.

Figure 2-50



Complete the following:

1. Use your text editor to open the **hometxt.htm**, and **slide1txt.htm** through **slide6txt.htm** files from the tutorial.02\case2 folder included with your Data Files. Enter **your name** and **the date** in the comment section of each file. Save the files as **home.htm** and **slide1.htm** through **slide6.htm**, respectively.
2. Return to the **slide1.htm** file in your text editor. At the top of the page are five buttons used to navigate through the slide show. Locate the inline image for the home button (home.jpg) and mark it as a hypertext link pointing to the home.htm file.

3. There are six slides in Tasha's slide show. Mark the start button as a hypertext link pointing to the slide1.htm file. Mark the end button as a link to the slide6.htm file. Link the back button to slide1.htm, the first slide in the show. Link the forward button to the slide2.htm file.
4. Directly below the slide show buttons are thumbnail images of the six slides. Link each thumbnail image to its slide page.
5. Set the border width of each linked image to 0, except the thumbnail image for slide1. Set the border width of that thumbnail to 5.
6. Save your changes to the file.
7. Repeat Steps 2 through 6 for the five remaining slide pages. Within each page, set the navigation buttons to go back and forth through the slide show. For the slide6.htm file, the forward button should point to the slide6.htm file since it is the last slide in the show. The border width of each linked image should be set to 0 except the border width of the current slide, which should be set to 5.
8. Go to the **home.htm** file in your text editor. Go to the second paragraph and mark the text "slide show" as a hypertext link pointing to the slide1.htm file.
9. Go to the end of the second paragraph and mark the phrase "contact me" as a hypertext link pointing to the following e-mail message:
TO: tashajur@lakewood.edu
SUBJECT: Photo CD
BODY: Please send me a copy of the photos.
10. Save your changes to the file.
11. Load the **home.htm** file in your Web browser. Test the links in the Web site and verify that they work correctly.
12. Submit your completed files to your instructor.

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Challenge | Case Problem 3

Broaden your knowledge of HTML by exploring how to use anchors and pop-up titles in a Web site for a health club.

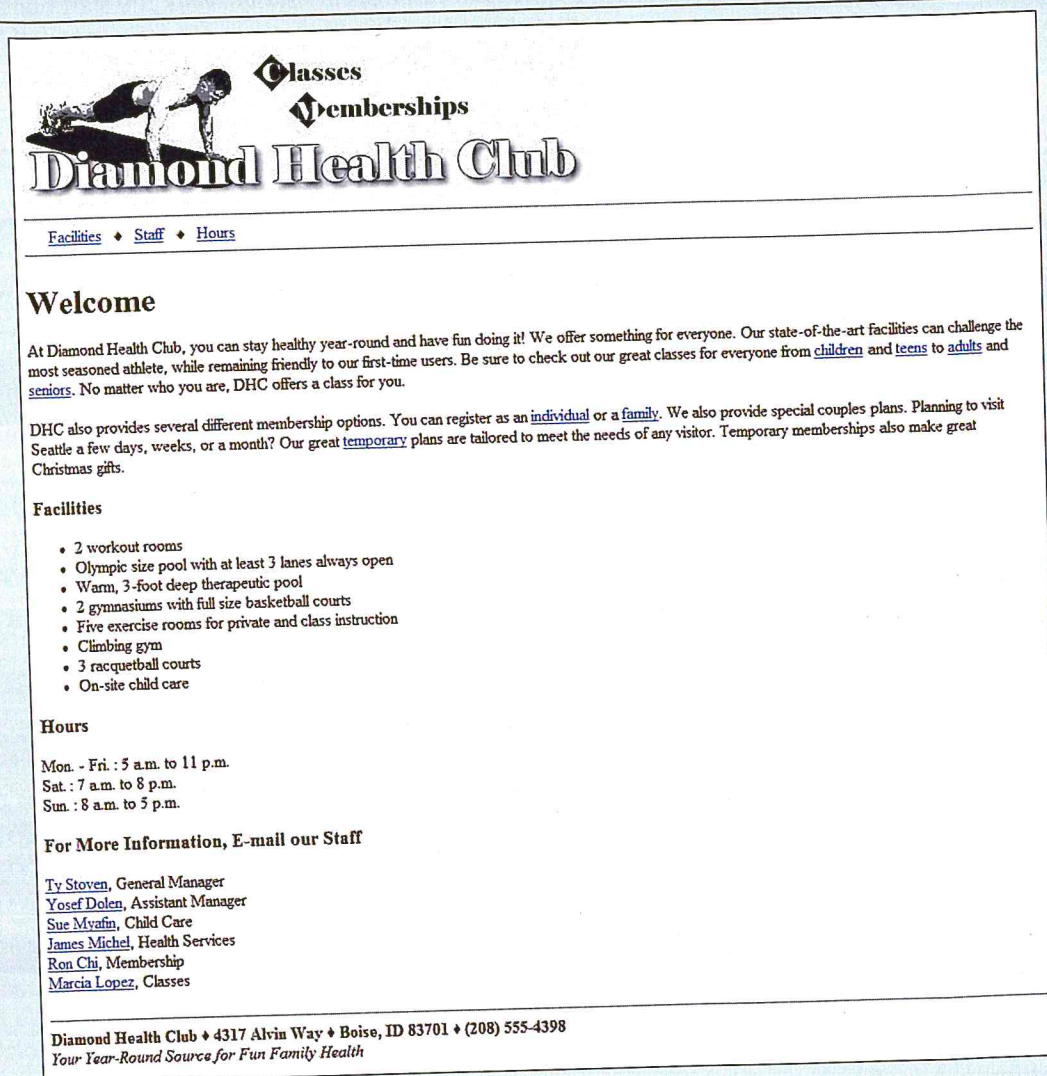
Data Files needed for this Case Problem: classtxt.htm, diamond.jpg, hometxt.htm, indextxt.htm, and memtxt.htm

Diamond Health Club, Inc. You work for Diamond Health Club, a health club in Boise, Idaho that has been serving active families for 25 years. The director, Karen Padilla, has asked you to help work on their Web site. The site contains three pages: the home page describing the club, a page listing classes offered, and a page describing the various membership options. You need to add links within the main page and add other links connecting the pages. Because this Web site will need to support older browsers, you will have to use the anchor tag to mark specific locations in the three documents. Karen would also like you to create pop-up titles for some of the links in the site to supply additional information about the links to the users.

Finally, this new site will replace the old company Web site. Karen wants to keep the old Web site address and redirect users automatically to the new home page. She wants you to insert the code required to do this.

Figure 2-51 shows a preview of the completed home page.

Figure 2-51



Complete the following:

1. Use your text editor to open the **hometxt.htm**, **indextxt.htm**, **classtxt.htm**, and **memtxt.htm** files from the tutorial.02\case3 folder included with your Data Files. Enter **your name** and **the date** in the comment section of each file. Save the files as **home.htm**, **index.htm**, **classes.htm**, and **members.htm** respectively.
2. Go to the **index.htm** file. Use the <a> tag to add the anchor names fac, hours, and staff to the h3 headings "Facilities," "Hours," and "For More Information, E-mail our Staff."
3. Scroll up to the top of the file. Below the logo image at the top of the page, add an image map with the following properties:
 - Give the image map a name and id of diamondmap.
 - Create a rectangular hotspot with the coordinates (225, 7) and (333, 40). Point the hotspot to the classes.htm file with the alternate text "Classes." Add the tooltip "View our classes."

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