

16. Go to the **child.htm** file in your Web browser. Verify that you can navigate forward and backward through the three photo contest pages by clicking the hotspots in the image map.
17. Submit your completed files to your instructor, in either printed or electronic form, as requested.

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

APPLY

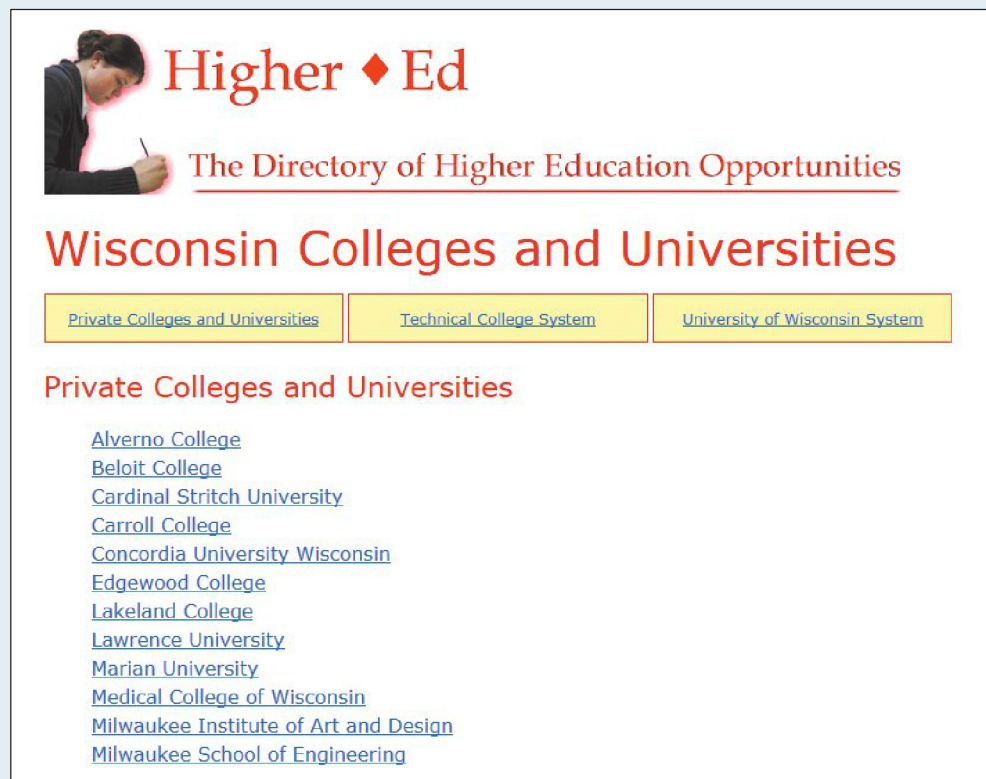
Case Problem 1

Data Files needed for this Case Problem: `colleges.txt`, `hestyles.css`, `higherred.jpg`, `modernizr-1.5.js`, `uwlisttxt.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. 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 2-50 shows a preview of the page you'll create for Adella.

Figure 2-50

HigherEd Web site



Complete the following:

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 file comments. Save the file as **uwlist.htm** in the same folder.
2. Directly below the h1 heading, insert a navigation list containing an unordered list with following list items: **Private Colleges and Universities**, **Technical College System**, and **University of Wisconsin System**.
3. Add the ids **private**, **technical**, and **public** to the three h2 headings that categorize the list of schools.
4. 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.)
5. 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 head specifying that all links open by default in a new browser window or tab named **collegeWin**.
6. Link the three items in your navigation list to the corresponding h2 headings.
7. For each of the hypertext links you marked in Step 6, set the link to open in the current browser window and not in a new browser window or tab.
8. Save your changes to the file.
9. 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 or tab.
10. Submit your completed files to your instructor, in either printed or electronic form, as requested.

EXPLORE

EXPLORE

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

APPLY

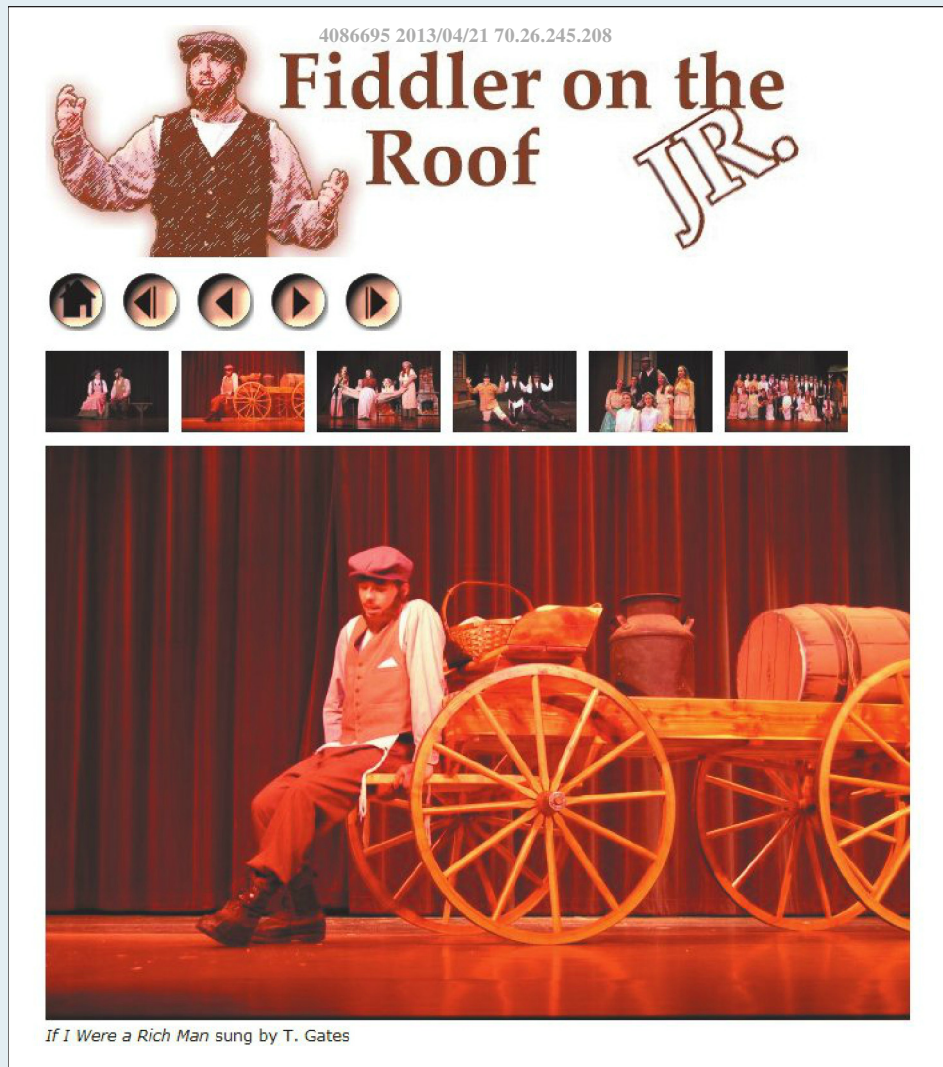
Case Problem 2

Data Files needed for this Case Problem: **fiddler.jpg, fidstyles.css, first.png, home.png, hometxt.htm, last.png, modernizr-1.5.js, next.png, prev.png, slide1.jpg–slide6.jpg, slide1txt.htm–slide6txt.htm, 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 2-51 shows a preview of one of the slide pages on the Web site.

Figure 2-51

Fiddler on the Roof, Jr. slide page



Complete the following:

1. Use your text editor to open the **hometxt.htm** file and the **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.png) and mark it as a hypertext link pointing to the home.htm file. Add the tooltip **Home Page** to the hyperlink.

3. There are six slides in Tasha's slide show. Mark the First Slide button as a hypertext link pointing to the `slide1.htm` file. Mark the Last Slide button as a link to the `slide6.htm` file. Link the Previous Slide button to `slide1.htm`, the first slide in the show. Link the Next Slide button to the `slide2.htm` file. Add an appropriate tooltip to each hyperlink.
4. Directly below the slide show buttons are thumbnail images of the six slides. Link each thumbnail image to its slide page.
5. Save your changes to the file.
6. Repeat Steps 2 through 5 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 Next Slide button should point to the `slide6.htm` file because it is the last slide in the show.
7. Go to the **home.htm** file in your text editor. Go to the first paragraph in the article and mark the text string *slide show* as a hypertext link pointing to the `slide1.htm` file.
8. Go to the end of the second paragraph and mark the phrase *contact me* as a hypertext link pointing to the e-mail address **tashajur@lakewood.edu**, with the subject heading **Digital Photo**.
9. Save your changes to the file.
10. Load the **home.htm** file in your Web browser. Test the links in the Web site and verify that they allow the user to easily move back and forth through the slide show.
11. Submit your completed files to your instructor, in either printed or electronic form, as requested.

Explore how to use HTML to create an election results Web site.

CHALLENGE

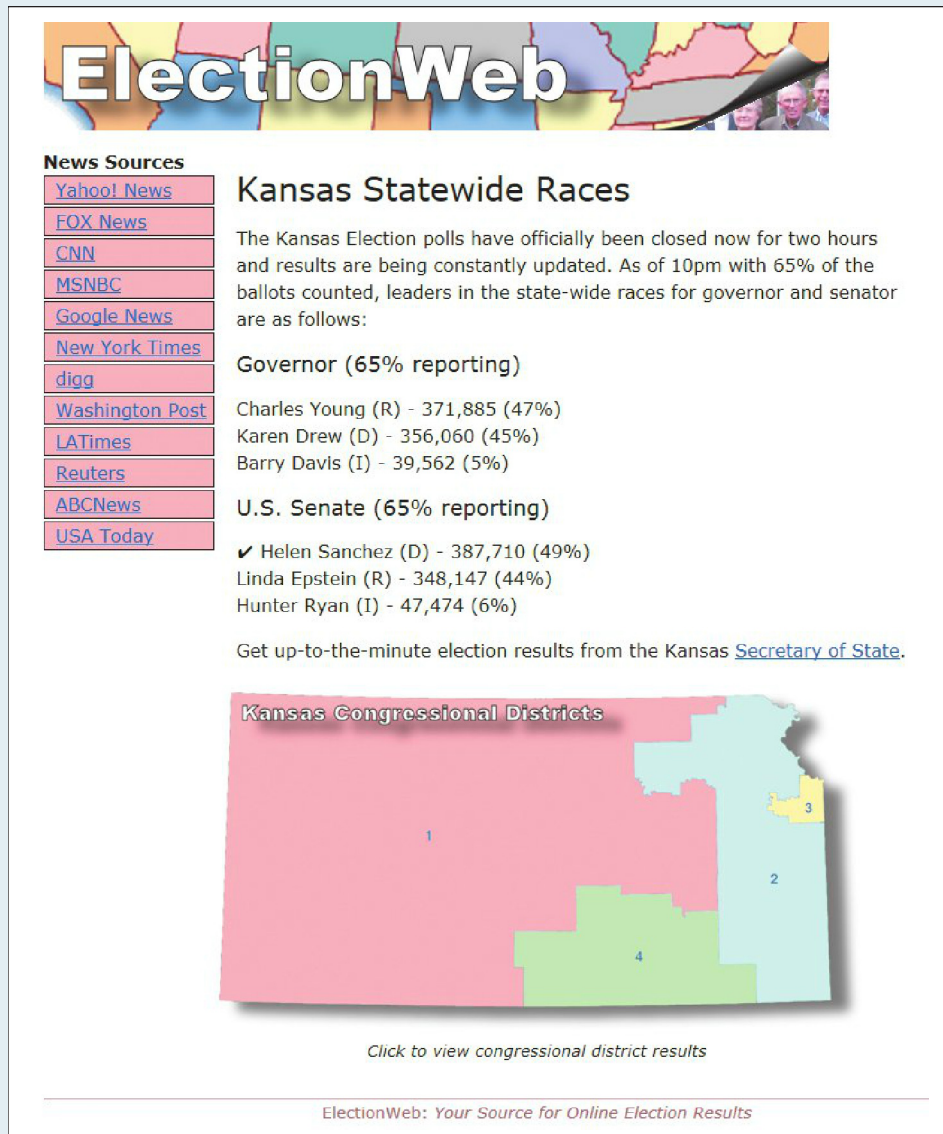
Case Problem 3

Data Files needed for this Case Problem: `dcoords.txt`, `dist1txt.htm–dist4txt.htm`, `ewlogo.png`, `ewstyles.css`, `kansasmap.png`, `kansas.txt.htm`, `modernizr-1.5.js`

ElectionWeb Allison Hawks is a political science student at the University of Kansas. As part of a project for one of her courses, she is setting up a Web site to report results from the upcoming elections. She's asked for your help in designing and writing the hypertext links and image maps to be used throughout her site. She has created a set of sample files detailing hypothetical results for the races for governor, senator, and the four Kansas congressional districts. A preview of the site's home page is shown in Figure 2-52.

Figure 2-52

Kansas results from ElectionWeb



ElectionWeb

News Sources

- [Yahoo! News](#)
- [FOX News](#)
- [CNN](#)
- [MSNBC](#)
- [Google News](#)
- [New York Times](#)
- [digg](#)
- [Washington Post](#)
- [LATimes](#)
- [Reuters](#)
- [ABCNews](#)
- [USA Today](#)

Kansas Statewide Races

The Kansas Election polls have officially been closed now for two hours and results are being constantly updated. As of 10pm with 65% of the ballots counted, leaders in the state-wide races for governor and senator are as follows:

Governor (65% reporting)

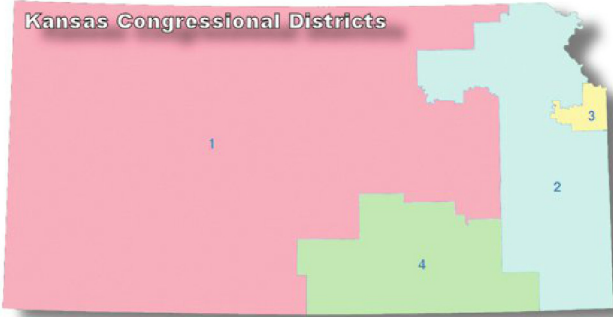
- Charles Young (R) - 371,885 (47%)
- Karen Drew (D) - 356,060 (45%)
- Barry Davis (I) - 39,562 (5%)

U.S. Senate (65% reporting)

- ✓ Helen Sanchez (D) - 387,710 (49%)
- Linda Epstein (R) - 348,147 (44%)
- Hunter Ryan (I) - 47,474 (6%)

Get up-to-the-minute election results from the Kansas [Secretary of State](#).

Kansas Congressional Districts



Click to view congressional district results

ElectionWeb: Your Source for Online Election Results

Complete the following:

EXPLORE

1. Use your text editor to open the **kansas.txt.htm** file and the **dist1.txt.htm** through **dist4.txt.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 **kansas.htm** and **district1.htm** through **district4.htm**, respectively.

EXPLORE

2. Go to the **kansas.htm** file in your text editor. Use the **meta** element to specify **your name** as the document author, and **Kansas** and **elections** as keywords for Web search engines.
3. Create a semantic link in the document head linking this document to the Office of the Kansas Secretary of State at the following address:
http://www.kssos.org/elections/elections_statistics.html
 Use a **rel** attribute value of **external** for the link.

4. Set the base target of the Web page to **new** so that links on the page open, by default, in a new browser window or tab.
5. Go to the page body, and then directly below the header element insert a navigation list with the following content:
 - a. An h2 heading with the text **News Sources**
 - b. An unordered list containing the following entries: **Yahoo! News, FOX News, CNN, MSNBC, Google News, New York Times, digg, Washington Post, LATimes, Reuters, ABCNews, and USA Today.**
 - c. Look up the Web addresses of the 12 news sources and link your list entries to the appropriate Web sites. Set the `rel` attribute of each link to **external**.
6. Scroll down to the last paragraph before the figure box and link the text *Secretary of State* to the Office of the Kansas Secretary of State Web site.
7. Directly below the figure box, create an image map named **kansasdistricts** containing four polygonal hotspots for each of the four Kansas congressional districts. Use the coordinates found in the `dcoords.txt` file as the coordinates of the hotspots.
8. Set the hotspots in your image map to access the `district1.htm`, `district2.htm`, `district3.htm`, and `district4.htm` files, using the target attribute value of **_self** so that those Web pages open within the current browser window or tab.
9. Apply the `kansasdistricts` image map to the `kansasmap.png` inline image.
10. Save your changes to the file.
11. Go to the **district1.htm** file in your text editor.
12. Directly below the opening `<section>` tag, insert a navigation list containing an unordered list with the items **District 1, District 2, District 3, and District 4**. Link each entry to its corresponding Web page in the ElectionWeb Web site.
13. Scroll down to the last paragraph before the figure box and link the text *statewide races* to the `kansas.htm` file.
14. Apply the same image map you created in Step 7 for the `kansas.htm` file to the `kansasmap.png` inline image.
15. Save your changes to the file.
16. Open the **district2.htm**, **district3.htm**, and **district4.htm** files in your text editor and repeat Steps 12 through 15 for each file. 4086695 2013/04/21 70.26.245.208
17. Open the **kansas.htm** file in your Web browser and verify that you can navigate through Allison's sample pages by clicking the hypertext links within the page body and within the image maps. Verify that you can access the external Web sites listed in the news sources and the Office of the Kansas Secretary of State.
18. Submit your completed project to your instructor, in either printed or electronic form, as requested.

EXPLORE

Test your knowledge of HTML and use your creativity to design a Web site documenting a Shakespeare play.

RESEARCH

Case Problem 4

Data Files needed for this Case Problem: `characters.txt`, `notes.txt`, `tempest.jpg`, `tempest.txt`

Mansfield Classical Theatre Steve Karls continues to work as the director of Mansfield Classical Theatre in Mansfield, Ohio. The next production he plans to direct is *The Tempest*. Steve wants to put the text of this play on the Web, but he also wants to augment the dialog of the play with notes and commentary. However, he doesn't want his commentary to get in the way of a straight-through reading of the text, so he has hit on the idea of linking his commentary to key phrases in the dialog. Steve has created text files containing an excerpt from *The Tempest* as well as his commentary and other supporting documents. He would like you to take his raw material and create a collection of linked pages.

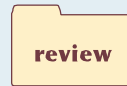
Complete the following:

1. Create HTML files named **tempest.htm**, **commentary.htm**, and **cast.htm**, saving them in the tutorial.02\case4 folder included with your Data Files. Add comment tags to the head section of each document containing your name and the date. Add an appropriate page title to each document.
2. Using the contents of the tempest.txt, notes.txt, and characters.txt text files, create the body of the three Web pages in Steve's Web site. You can supplement the material on the page with appropriate material you find on your own.
3. Use the tempest.jpg file as a logo for the page. Create an image map from the logo pointing to the tempest.htm, commentary.htm, and cast.htm files. The three rectangular boxes on the logo have the following coordinates for their upper-left and lower-right corners:
The Play: (228, 139) (345, 173)
Commentary: (359, 139) (508, 173)
The Cast: (520, 139) (638, 173)
4. Use this image map in all three of the Web pages for this Web site.
5. Create links between the dialog on the play page and the notes on the commentary page. The notes contain line numbers to aid you in linking each line of dialog to the appropriate note.
6. Create a link between the first appearance of each character's name in the tempest.htm page and the character's description on the cast.htm page.
7. Include a link to Steve Karls' e-mail address on the tempest.htm page. Steve's e-mail address is **stevekarls@mansfieldct.com**. E-mail sent to Steve's account from this Web page should have the subject line **Comments on the Tempest**.
8. Add appropriate meta elements to each of the three pages documenting the page's contents and purpose.
9. Search the Web for sites that would provide additional material about the play. Add links to these pages on the tempest.htm page. The links should open in a new browser window or tab.
10. Submit your completed files to your instructor, in either printed or electronic form, as requested.

ENDING DATA FILES



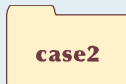
glossary.htm
home.htm
tips.htm
+ 1 style sheet
+ 5 graphic files
modernizr-1.5.js



camhome.htm
child.htm
contest.htm
flower.htm
photogloss.htm
scenic.htm
tipweek.htm
+ 1 style sheet
+ 23 graphic files
modernizr-1.5.js



uwlist.htm
+ 1 style sheet
+ 1 graphic file
modernizr-1.5.js



home.htm
slide1.htm
slide2.htm
slide3.htm
slide4.htm
slide5.htm
slide6.htm
+ 1 style sheet
+ 18 graphic files
modernizr-1.5.js



district1.htm
district2.htm
district3.htm
district4.htm
kansas.htm
+ 1 style sheet
+ 2 graphic files
modernizr-1.5.js



cast.htm
commentary.htm
tempest.htm
+ 1 graphic file