

EXPLORE

3. Within the `video` element, nest an `object` element displaying the *mandel.swf* Flash player. Add an attribute and a parameter to loop the player back to the beginning when played.
4. If the browser does not support the Flash player, display a message telling the user that he or she must have the Shockwave player. Include a link to the Web site where the user can download the player.
5. Scroll down to the `article` element. Within the paragraph in this element, insert an `object` element containing the Java applet for the *Mandel.class* file; set the width of the Java window to 280 pixels and the height to 240 pixels.
6. If the browser does not support Java, have it display the text *Your browser does not support Java applets* in place of the *Mandel.class* applet.
7. Save your changes to the file.
8. Open the Web page in an HTML5-enabled browser and verify that the video plays correctly.
9. Open the Web page in a browser that does not support HTML5 but does support Flash, and verify that you can play the Flash video. If the browser does not support HTML5 and Flash, verify that the browser displays a message indicating that the user should install Flash. Re-enable Flash if you disabled it.

EXPLORE

10. Test the fractal applet to verify that you can use it to zoom into the Mandelbrot Set at different levels of magnification.
11. Disable Java support and verify that the browser displays a message indicating that you should install Java. Re-enable Java support in the browser.
12. Submit your completed files to your instructor, in either printed or electronic form, as requested.

Test your knowledge of embedded media by creating a multimedia Web page for a youth orchestra.

RESEARCH

Case Problem 4

Data Files needed for this Case Problem: *beethoven.mp3*, *beethoven.ogg*, *beethoven.swf*, *byso.jpg*, *bysoinfo.txt*, *bysologo.jpg*, *CreditRoll.class*, *modernizr-1.5.js*, *schedule.txt*

Boise Youth Symphony Orchestra The Boise Youth Symphony Orchestra (BYSO) is one of the premier young people's orchestras in the United States. Denise Young, the BYSO artistic director, has asked you to help create a Web site that contains information about the orchestra. Denise has a short excerpt from the first movement of Beethoven's Symphony No. 8 in F Major, Op. 93 that the orchestra played in its most recent spring concert. She would like you to embed the clip in the Web page. She also has a schedule of upcoming events and concerts that she would like displayed in a scrolling marquee.

Complete the following:

1. Use your text editor to create an HTML file named **byso.htm** and a style sheet named **bstyles.css**. Enter **your name** and **the date** in a comment section of each file. Include any other comments you think will aptly document the purpose and content of the files. Save the files in the tutorial.07\case4 folder included with your Data Files.
2. Go to the **byso.htm** file in your text editor and design the Web page using the files you've been given and any other supplements you have. Place all of your styles in the **bstyles.css** style sheet.
3. The page should contain the audio clip from Beethoven's Symphony No. 8. Provide the clip to the user in MP3 and OGG format using the HTML5 `audio` element. For browsers that don't support HTML5, provide the audio clip in a Flash player using the SWF format. For browsers that support none of these formats, display a hypertext link to the *beethoven.mp3* file.

- 4. Use the schedule information from the *schedule.txt* file to create a scrolling marquee of upcoming BYSO events. The exact parameter values are left up to you. Set the URL of the CreditRoll applet to *www.cityofboise.org*.
- 5. If a user's browser does not support Java at all, have the Web page display a message indicating this fact and suggesting that Java be installed to view the marquee. Include a hypertext link to a Web site where Java can be downloaded and installed.
- 6. Save your changes to the file and view the page in your Web browser. Verify that you can play both media clips and view the scrolling marquee under a variety of browser configurations.
- 7. If you are working on your own computer or have permission to turn off support within your browser for embedded media and Java, turn off that support temporarily and verify that the page degrades well, showing the hypertext links and the message about installing Java.
- 8. Submit your completed files to your instructor, in either printed or electronic form, as requested.

ENDING DATA FILES

