Figure 7-47 Fractals Web page
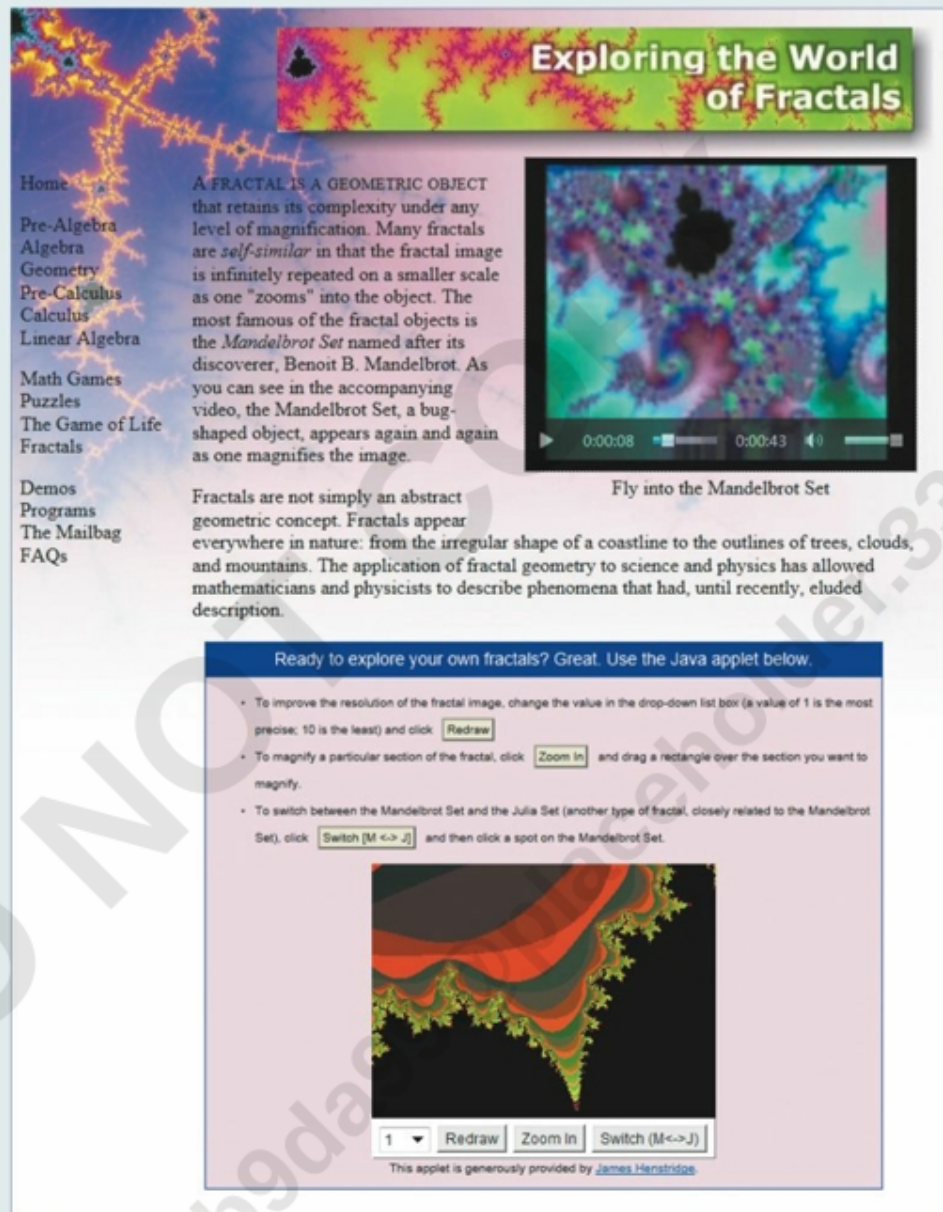

Complete the following:

1. Use your text editor to open the **fractaltxt.htm** file from the tutorial.07\case3 folder included with your Data Files. Enter *your name* and *the date* in the comment section of the file. Save the file as **fractal.htm** in the same folder.

⊕ EXPLORE

2. Scroll down to the `figure` element. Directly above the figure caption, insert a `video` element. Set the width and height of the video to 320 pixels by 260 pixels. Add attributes to display the *zoom.png* file as a poster image for the video, and have the video automatically loop back to the beginning when played. Display the *mandel.mp4* and *mandel.webm* video files in the player. Display the video controls in the player.

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.

⊕ EXPLORE 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.