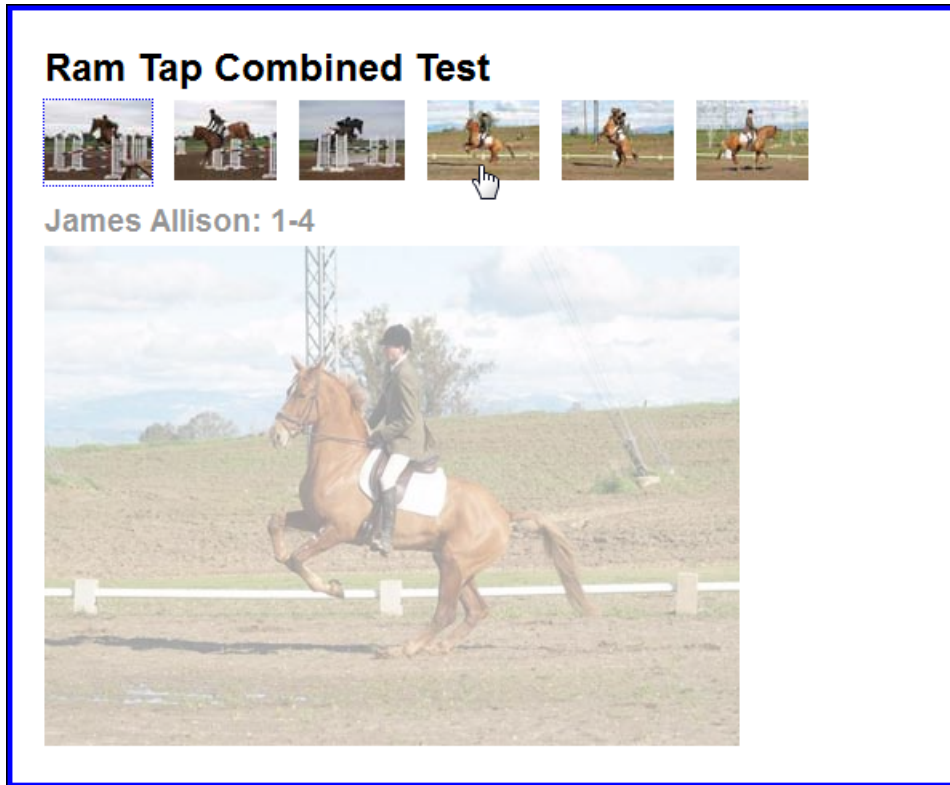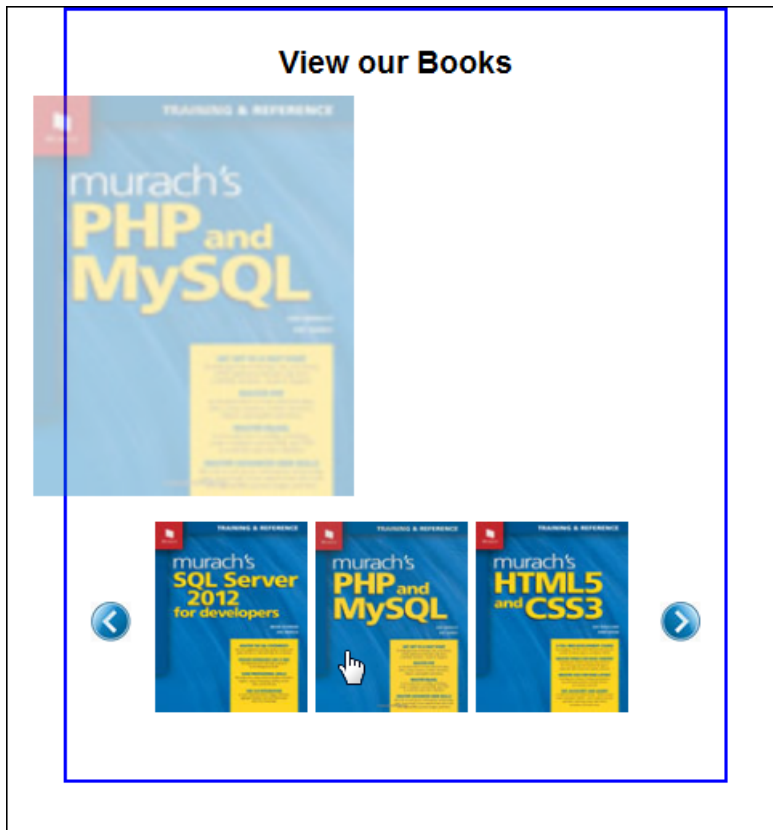# Extra 8-1   Modify an Image Swap application

In this exercise, you'll modify the Image Swap application of chapter 7 so it uses effects to display and hide the images.

1. Open the HTML and JavaScript files in this folder:

    `exercises_extra\ch08\image_swap`

    Now, run this application to refresh your memory about how it works.

2. Add statements to the JavaScript file that fade the caption and image out over a duration of one second.

3. Modify the statements that display the new caption and image URL so the caption and image are faded in over a duration of one second. Then, run the application to see that this doesn't work the way you might expect. Instead, the new caption and image are displayed and then faded out and back in.

4. Add a callback function to the statement that fades out the image. Then, move the statements that display the new caption and image URL within this function. Now, the old caption and image should fade out and the new caption and image should fade in.

Extra 8-2   Modify a carousel to display an enlarged image using animation

In this exercise, you'll modify a carousel application so that when an image in the carousel is clicked, an enlarged image is displayed using animation.

1. Open the HTML and JavaScript files in this folder:

    `exercises_extra\ch08\carousel`

    Then, run the application and notice that an enlarged image of the first book in the carousel is displayed.

2. Review the HTML for the application, and notice that it contains an img element with an id of "image" following the heading. Also notice that the href attributes of the <a> elements in the carousel are set to the URL of the enlarged image to be displayed when the associated carousel image is clicked.

3. Code an event handler for the click event of the <a> elements in the list. This event handler should start by getting the URL for the image to be displayed. Then, it should assign this URL to the enlarged image.

4. Add animation to the click event handler so the opacity of the current image is set to 0 and 205 is subtracted from the left margin of the image over a period of 1 second. Use a callback function to reverse this animation. This function should also contain the statement that sets the URL for the enlarged image. The effect will be for the current image to fade out as it slides to the left, and then for the new image to fade in as it slides to the right.