

POST-CLASS LEARNING AND PRACTICE 1.2: MANAGE THE STATE OF AN APPLICATION

Lesson Objective 1.2:

Manage the state of an application. *Topics include:* understand states of an application.

Additional learning resources:

MSDN®:

Internet Explorer® Learning: <http://msdn.microsoft.com/en-us/ie/aa740476>

Internet Explorer 9 Guide for Developers: <http://msdn.microsoft.com/en-us/ie/hh410106>

Other Resources (books, e-reference):

How to use an Application Cache: <http://www.html5rocks.com/en/tutorials/appcache/beginner/>

W3Schools: <http://www.w3schools.com/html5/>

Schmitt, Christopher and Kyle Simpson. *HTML5 Cookbook* (Sebastopol: O'Reilly 2012)

Resources, software, and additional files if needed for this lesson:

1. A workstation with Microsoft® Expression® Studio 4 or at least Expression Web 4 (including service pack 2)

Student activity:

Directions to the student:

Read the following scenario. Watch the video available at the link provided. Pause the video as necessary. Upon completion of the video and the short activity, answer the questions below. Request assistance from the instructor as needed. Verify your answers with the instructor.

Scenario:

Katka is a web developer for Lucerne Publishing. Her recent assignment included adding a web form for gathering customer mailing information. Katka has been following the updates and support for HTML5, and she wants to use the new localStorage option (also referred to as DOM storage) to increase the user-friendliness of the site. This allows the user to enter form data even in an offline state.

DOM Storage (localStorage): <http://msdn.microsoft.com/en-us/ie/dd535732> (4:48)

Content:

1. Summarize the benefits of DOM storage described in the video.
2. Describe how the feature works when the user is offline.
3. How is the data returned to the server when the user reconnects?

KEY 1.2: MANAGE THE STATE OF AN APPLICATION

Content:

1. Summarize the benefits of DOM storage described in the video.

Answers may vary, but should describe the increased storage capacity compared to cookies.

2. Describe how the feature works when the user is offline.

Answers may vary. The website continues to function and allow the user to enter information that is stored in the DOM storage.

3. How is the data returned to the server when the user reconnects?

Answers may vary. Look for answers that include the ability of the user to add or delete the new records.