

# IN-CLASS STUDENT ACTIVITY 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.

## **Resources, software, and additional files needed for this lesson:**

1. Internet access

## **Guiding questions:**

1. What are the states of an HTML5 application?
2. List two ways to store data using HTML5.
3. What is a cache, and how is it used in HTML5?

## **Student activity:**

### **Directions to the student:**

Read the following scenario and answer the questions. Verify your answers with the instructor.

### **Scenario:**

Cassie is a high school computer science teacher. She is teaching web design for the first time this year, and she needs to brush up on her HTML skills, especially with the recent introduction of HTML5.

Most web developers are familiar with the concept of cookies, which are used to save information, such as user-names and passwords, previously visited pages, and more, on a client PC for future use. Because of limitations and security issues with cookies, HTML5 has introduced an alternative way to store user information. Answer the questions below to help Cassie prepare for her new class.

### **Content:**

1. Name the feature that allows data to persist from one session to the next. Describe the type of data commonly saved using this feature.
2. What problems exist when using localStorage? Recommend a solution for each problem identified.
3. Describe the difference among session state, application state, and persist state.