ACTIVITY 6-1
Creating a jQuery Mobile Page

Data Files

C:\092002Data\Using Mobile Integration Techniques\jQuery_home.txt

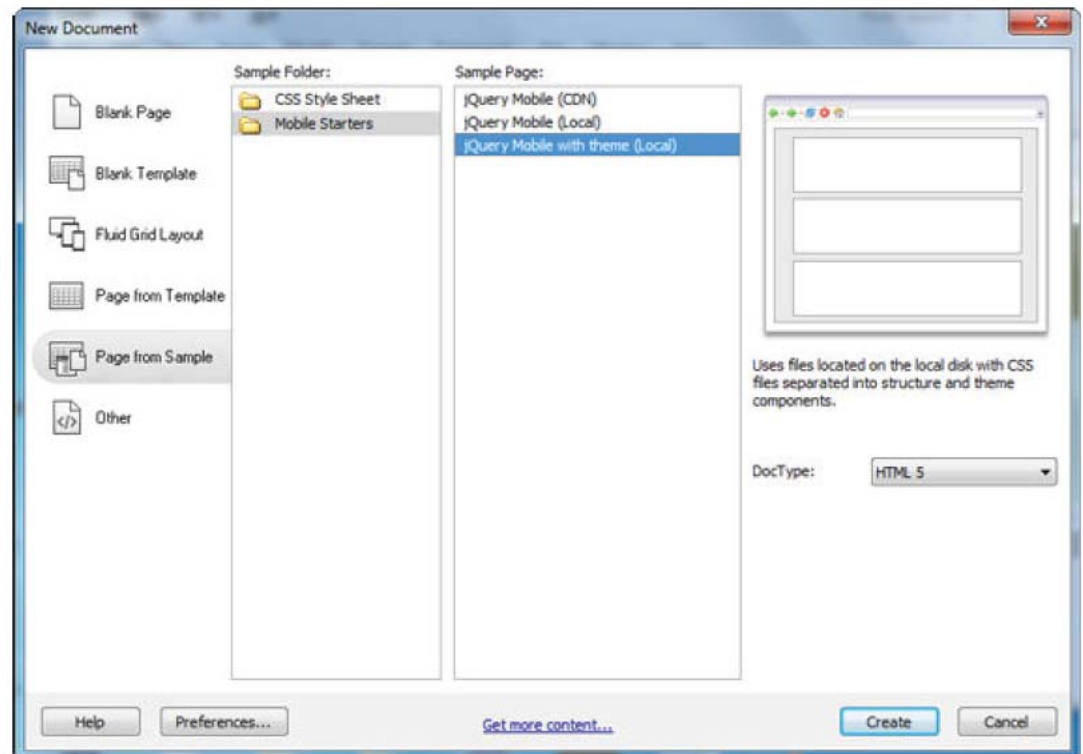C:\092002Data\Using Mobile Integration Techniques\mytheme.css

Before You Begin

Navigate to the **C:\092002Data\Using Mobile Integration Techniques** folder and open the **jQuery_home.txt** file.

Scenario

You want to ensure that your website will reach users who use mobile devices to browse the Internet. You also want to ensure that too much of coding is not involved when developing dynamic and interactive web pages that are compatible with mobile devices.

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1. Create a jQuery mobile page.
   a) Select **File→New→Page from Sample.**
   b) In the **Sample Folder** section, select **Mobile Starters.**
   c) In the **Sample page** section, select **jQuery Mobile with theme (Local).**
   d) In the **DocType** drop-down list, verify that **HTML5** is selected and select **Create.**
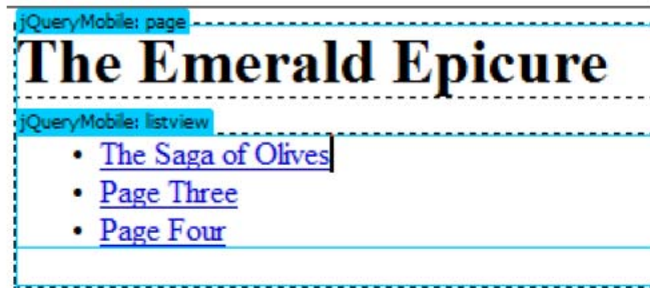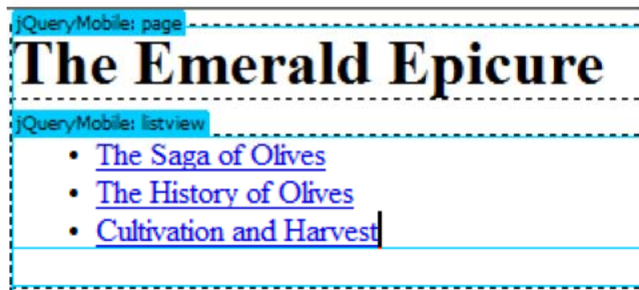

2. Add content to the jQuery mobile page.

a) In **Design** view, in the **jQueryMobile: header** container, select the text "Page One," and type *The Emerald Epicure*
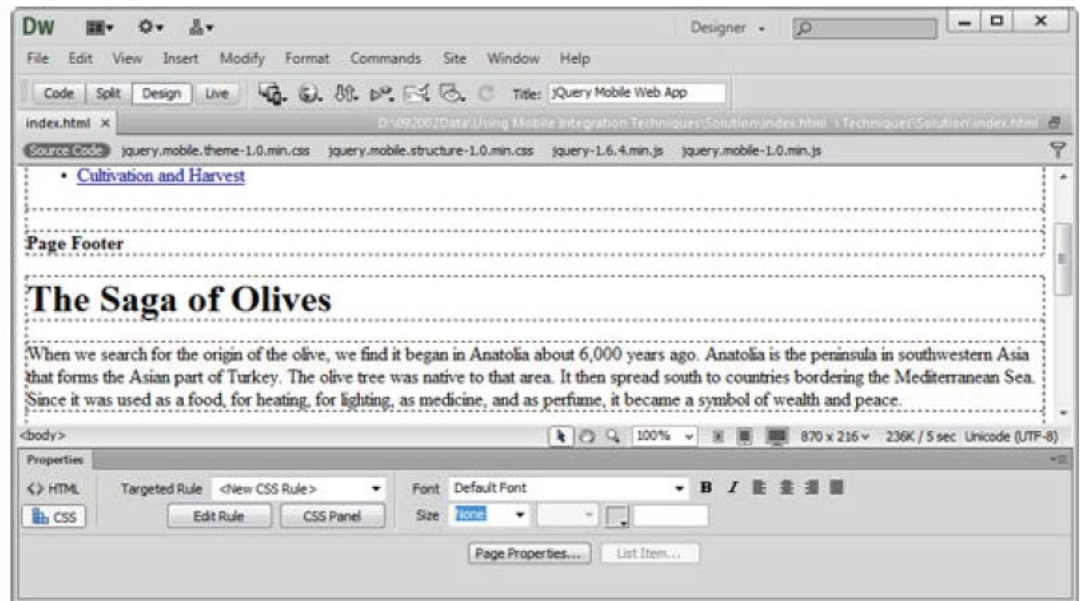
The Emerald Epicure

b) Similarly, select the text "Page Two," "Page Three," and "Page Four" and type *The Saga of Olives*, *History of Olives*, and *Cultivation and Harvest*, respectively.

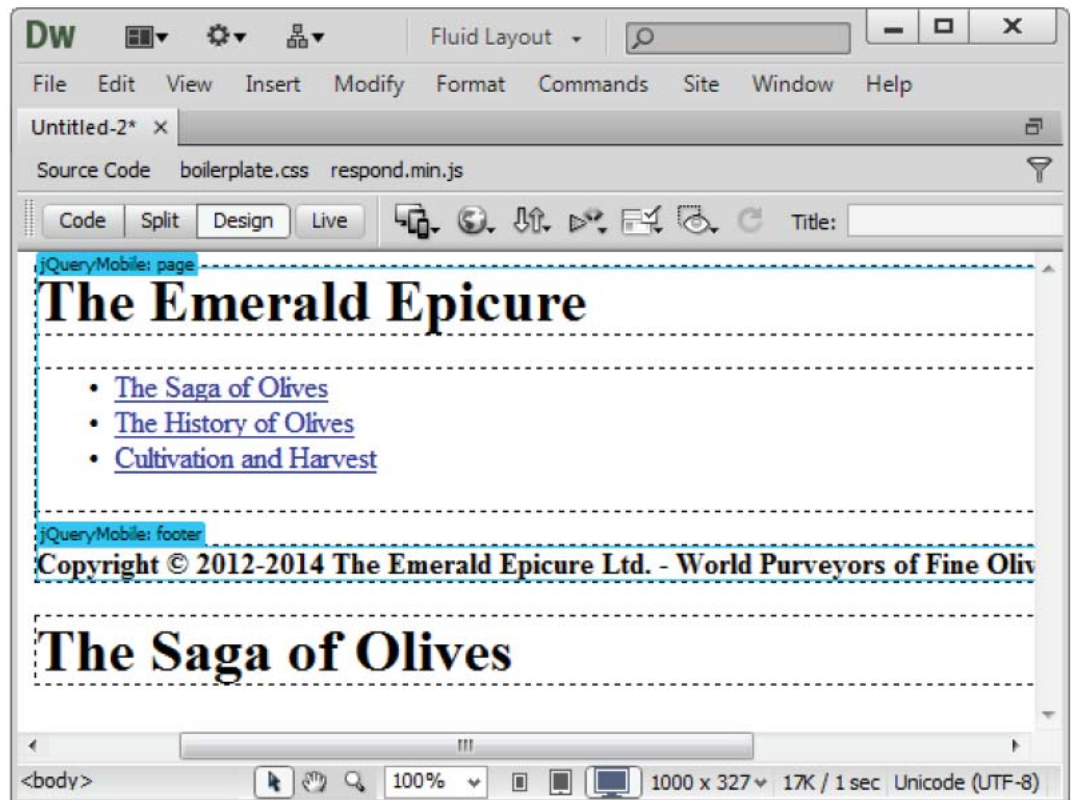c) In the **jQueryMobile: listview** container, select the text "Page Two," and type *The Saga of Olives*

The Emerald Epicure

- The Saga of Olives
- Page Three
- Page Four

d) Similarly, select the text "Page Three" and "Page Four" and type *The History of Olives* and *Cultivation and Harvest*, respectively.

The Emerald Epicure

- The Saga of Olives
- The History of Olives
- Cultivation and Harvest

e) Switch to the **jQuery_home.txt** file, and select the content at the bottom of the text "The Saga of Olives."

f) Switch to the Dreamweaver application, select the text "Content," and select **Edit→Paste.**

g) Similarly, add content in the History of Olives and Cultivation and Harvest containers.

3. Add footer information to the jQuery mobile pages.

   a) Switch to the **jQuery_home.txt** file, and select the content at the bottom of the text "Footer."

   b) Switch to the Dreamweaver application, in the **jQueryMobile: footer** container, select the text "Page Footer" and select **Edit→Paste.**
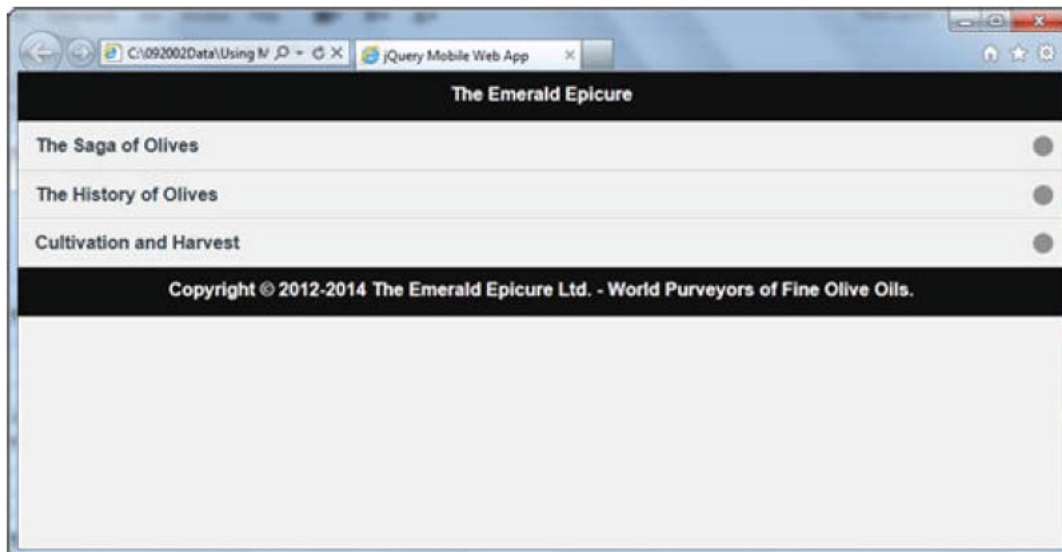

   c) Similarly, paste the footer content in **The Saga of Olives**, **History of Olives**, and **Cultivation and Harvest** containers.

4. Apply a theme to the jQuery mobile page.
   a) At the bottom of the **CSS Styles** panel, select **Attach Style Sheet.**
   b) In the **Attach External Style Sheet** dialog box, to the right of the **File/URL** drop-down list, select **Browse.**
   c) If necessary, in the **Select Style Sheet File** dialog box, navigate to the **C:\092002Data\Using Mobile Integration Techniques** folder, select **mytheme.css** and select **OK.**

   > **Note:** The theme applied to the jQuery page in this activity is the default theme. You can customize and download more themes for your jQuery page at **http://jquerymobile.com/themeroller/**

   d) In the **Attach External Style Sheet** dialog box, select **OK.**

5. Save and preview the jQuery mobile page.
   a) Select **File→Save**, and if necessary, in the **Save As** dialog box, navigate to the **C:\092002Data\Using Mobile Integration Techniques** folder.
   b) In the **File name** text box, type *index.html*
   c) Select **Save**, and in the **Copy Dependent Files** dialog box, select **Copy.**
   d) In the **Document** toolbar, select **Preview/Debug in browser**, and from the options menu, select **Preview in IExplore.**
   e) In the Microsoft® Internet Explorer® window, select the **The Saga of Olives** page, and observe that the content is linked as a page within the home page.

   f) In the Internet Explorer window, select the **Back** button to display the home page.
   g) Close the window.

ACTIVITY 6-2
Implementing PhoneGap Integration

Data Files
C:\092002Data\Using Mobile Integration Techniques\PhoneGap\index.html

Before You Begin
Navigate to the **C:\092002Data\ Using Mobile Integration Techniques\PhoneGap** folder and open the **index.html** file.

Scenario
Your team is working on the Emerald Epicure website to make it compatible with a range of mobile devices. You would like to explore the PhoneGap Build Service.

> **Note:** The scope of this activity is to activate the PhoneGap integration feature available in Dreamweaver. To create a full-fledged mobile application, download the SDK for the device-specific operating system. The local path, where the SDK is saved, has to be provided in the PhoneGap Build Service panel in order to emulate and download the application. To perform this activity, you must register your mail ID at **https://www.adobe.com/account/sign-in.adobedotcom.html?returnURL=http://www.adobe.com/**

1. Launch the PhoneGap Build Service.
   a) Select **Site→ PhoneGap Build Service→PhoneGap Build Service.**
   b) In the **PhoneGap Build Service** panel, in the **PhoneGap: Build** section, in the **email** text box, type your registered Adobe ID.
   c) In the **password** text box, type your registered Adobe password and select **Login.**
   d) In the **PhoneGap Build Service** panel, from the drop-down list below the message section, select **PhoneGap Build Project.**
   e) Select **Continue** and observe that various operating systems supported by mobiles are listed.
   f) In the **webOS** section, select **Download Application.** ⬇
   g) If necessary, in the **Choose a location to save the .ipk file** dialog box, navigate to the **C:\092002Data \Using Mobile Integration Techniques\PhoneGap** folder and select **OK.**

   > **Note:** Transfer the .ipk file to any of the devices that support webOS. You should be able to view the website as an application.

   h) In the **Dreamweaver** message box, select **OK.**

2. **Which component of the PhoneGap API helps check the status of the network?**
   ○ Connection
   ○ Network
   ○ Capture
   ○ Geo-location

3. **The Capture component of the PhoneGap API is used to do what?**
   ○ Notify an alert
   ○ Capture media

      ○ Record and play audio files

      ○ Gather device-specific information

4. True or False? PhoneGap does not support Web SQL databases.

☐ True

☐ False