

COMSC-031

**Web Site Development-
Part 2**



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Topic 9



9

Using Library Items

You can save time by storing frequently used Web page elements and layouts as library items, and saving complete page designs as templates. This chapter shows you how to use these features to quickly create consistent page designs and make global updates.

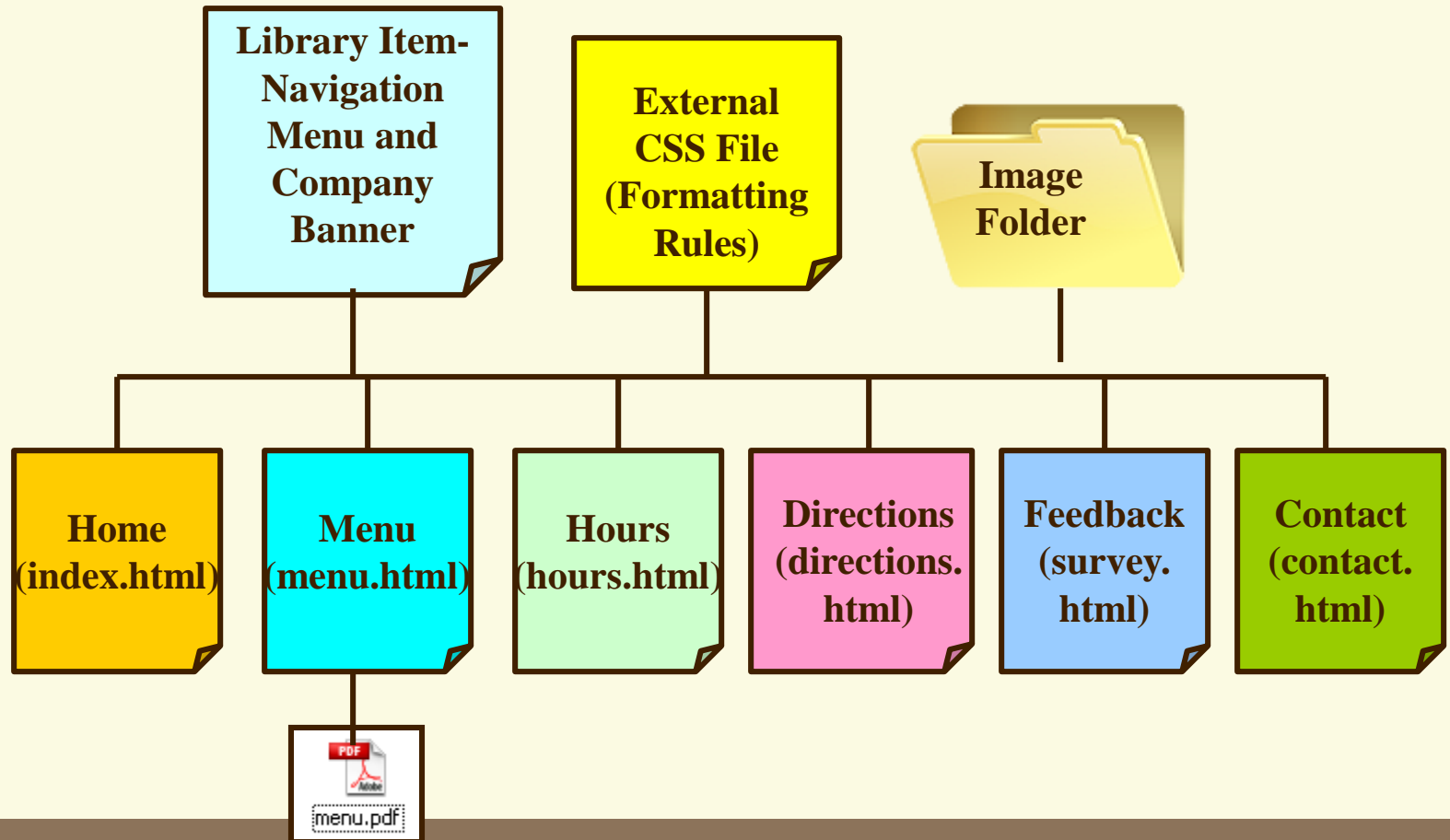
Topics: Using Library Items

- Introduction to Library Items and Templates
- View Library Items and Templates
- Create a Library Item
- Insert a Library Item
- Edit and Update a Library Item to your Web Site
- Detach Library Content for Editing



Plan Your Web Site

Hierarchy File Structure



Introduction to Library Items

- With library items and templates, you can **avoid repetitive work** by storing copies of page elements and layouts that you frequently use.
- You can access the library items and templates that you create through the **Assets panel**.

Introduction to Library Items

Library Items

- You can define parts of your Web pages that are repeated in your Web site as **library items**.
- This **saves** you time because whenever you need a library item, you can just insert it from the Asset panel instead of re-creating it.

Introduction to Library Items

Library Items

- If you make changes to a library item, then Dreamweaver automatically updates all **instances** of the item across your Web site.
- Good candidates for library items include advertising banners, company slogans, navigation bars, and any other feature that appears many times across your Web site.

View Library Items

- You can access the library and templates of a Web site by using commands in the **Window menu**.
- You can also access them through the **Assets panel**.

View Library Items



View the Library

1. Click the **Window**
2. Click **Assets**
3. Click the **Library icon** to view the library items

View Library Items



View the Library

The screenshot shows an IDE interface with the 'Window' menu open. The 'Assets' option is selected and highlighted with a red arrow and the number '2'. A red arrow and the number '1' point to the 'Window' menu itself. The background shows a web page with a 'Home' button and a 'Thank for dining...' message.

File Edit View Insert Modify Format Commands **Window** Help

- ✓ Insert Ctrl+F2
- ✓ Properties Ctrl+F3
- ✓ CSS Styles Shift+F11
 - AP Elements F2
- Databases Ctrl+Shift+F10
- Bindings Ctrl+F10
- Server Behaviors Ctrl+F9
- Component s Ctrl+F7
- Files F8
- ✓ Assets ← 2
 - Snippets Shift+F9
- Tag Inspector F9
- Behaviors Shift+F4
- History Shift+F10
- Frames Shift+F2
- Code Inspector F10
- Results
- Extensions
- Workspace Layout
 - Hide Panels F4
- Cascade
 - Tile Horizontally
 - Tile Vertically
- 1 index.html
- 2 hours.html
- 3 directions.html
- 4 menu.html
- 5 navigation.lbi
- 6 feedback.html

Source Code swfobject_modified.js mystyle.css

Code Split Design Live View Live Code

index.html x hours.html x directions.html x menu.html x navigat

0 50 100 150 200 250 300 350

600

Los Medanos College Brentwood Center,

Home

Menu

Hours

Thank for dining from you on how we are doing. we're conduct find about your dining experience and what w

Burge

back.html

CA 94513

ack

css styles

All Current

All Rules

```
<style>
mystyle.css
  a:active
  a:visited
  h2
  h1
  .emphasis
  a:link
  a:hover
  body,td,th
  body
  #content
  #navigation
  #banner
  h5
  .highlight
```

Properties

FILES ASSETS SNIPPETS

Library

Name	Size	Full Path
companybanner	1KB	/Library/co
navigation	4KB	/Library/ne

The Library window opens in the Assets panel

Create a Library Item

- You can save text, links, images, and other elements as **library items**.
- A navigation row or column is great example of content that works well as a library item.
- This is because you can save a collection of images, text, and links that you can quickly insert into other pages without having to re-create them.

Create a Library Item

- If you edit a library item, Dreamweaver automatically **updates each instance** of the item throughout your Web site.

Create a Library Item



Create a library item

1. Click and drag to select an element or collection of elements that you want to define as a library item.
2. Click **Tools**
3. Click **Library**
4. Click **Add Object to Library**
5. Click **OK**
6. Type a **name** for the library item. Press **<Enter>**
7. Click the **OK** button
8. Repeat steps 1- 7 to create additional library items

Create a Library Item



Create a library item

2

The screenshot shows the Adobe Dreamweaver interface with several actions highlighted by red arrows and numbers:

- 1**: Points to the "Table" button in the Properties panel on the left.
- 2**: Points to the "Insert" menu in the top menu bar.
- 3**: Points to the "Library" option in the Insert > Library submenu.
- 4**: Points to the "Add Object to Library" option in the Library > Add Object to Library submenu.
- 5**: Points to the "OK" button in the "Dreamweaver" warning dialog box.

The background of the workspace shows a web page with a yellow header containing the word "Burger" in large red letters, and a "Menu" button with a burger icon below it. A warning dialog box is open in the bottom right corner, stating: "This selection may not look the same when placed in other documents because the Style Sheet information is not copied with it." It includes a checkbox for "Don't warn me again." and "OK" and "Cancel" buttons.

Create a Library Item



Create a library item

Defining an element as a library item prevents you from editing in the Document window

The screenshot shows the Adobe Dreamweaver interface. The main workspace displays a website with a yellow navigation menu containing 'Home', 'Menu', and 'Hours' links, each with a burger icon. To the right is a red feedback form with the text 'Thank for dining at the LMC Brentwood Bu from you on how we are doing. We're conc ence and wha'. The right sidebar contains the 'Assets' panel, which shows a 'Library' section with a preview of the 'Home' link and a table listing the 'navigation' item (3KB /Libra). A 'Properties' panel is also visible above the Assets panel. A 'Update Files' dialog box is open in the foreground, with the text 'Update links in the following files?' and a list containing '/Library/navigation.lbi'. A red arrow labeled '7' points to the 'Update' button in the dialog box. Another red arrow labeled '6' points to the 'navigation' item in the Assets panel. A third red arrow points from the text box on the left to the 'Home' link in the navigation menu.

The named library item appears in the Assets panel.

Create a Library Item



Create a library item

The screenshot shows the Dreamweaver interface with the 'Tools' menu open. The 'Library' option is highlighted, and its sub-menu is also open, showing 'Add Object to Library' as the selected option. Red arrows and numbers 1 through 4 indicate the steps: 1 points to the Library icon in the left sidebar, 2 points to the Tools menu, 3 points to the Library menu item, and 4 points to the 'Add Object to Library' sub-menu item. The background shows a web page with a yellow and red design, featuring the text 'Burger' and 'Best Steak Burger'.

1 → 2 → 3 → 4

- Tools
- Library
- Add Object to Library

Create a Library Item



Create a library item

Defining an element as a library item prevents you from editing in the Document window

The screenshot shows a web design tool interface. The main workspace displays a yellow banner with the text "LMC Brentwood" in large, bold, red and blue letters. Below the banner, there is a "Home" button with a burger icon and a red rectangular area. The right sidebar contains a "Library" panel with a preview of the banner and a table of library items. A red arrow points from the text box on the left to the banner in the workspace. Another red arrow points from the text box on the right to the "companybanner" item in the library table.

Name	Size	Full Pa
companybanner	1KB	/Library
navigation	3KB	/Library

The named library item appears in the Assets panel.

Create a Library Item



What page elements should I make into library items?

- Anything that **appears multiple times** in a Web site is a good candidate to become a library item.
- These elements include headers, footers, navigational menus, contact information, and disclaimers.
- Any element that appears in the body of an HTML document, including text, images, tables, forms, layers and multi-media may be defined as a library item.

Create a Library Item



Can I use multiple library items on the same page?

- There is **no limit** to the number of library items that you can use on a page.
- If your Web site is very standardized, then there may be little on your page that is not a library item.
- For example, you can create a photo gallery where each page has the same layout, except the photo.


Insert a Library Item

- You can **insert** an element onto your page from the Library to avoid having to create it yourself.
- This also ensures that the element is identical to other instances of that library item in your Web site.

Insert a Library Item



Insert a library item

1. Click **Window**
2. Click **Assets**
3. Click the **Library icon**  to view your library items.
4. Position **cursor** where you want to insert the library item.

Insert a Library Item



Insert a library item

5. Click a **library item**
6. Right-click the **library item**.
7. Click **Insert**.

Note: You can also click and drag library items from the Library window to the page to insert them

8. Repeat steps 1-7 to insert the library on the Web pages.



Insert a Library Item

1 → Window

2 → Assets

3 → companybanner

4 → Assets Panel Icon

5 & 6 → companybanner

7 → Insert

File Edit View Insert Modify Format Commands Site Window Help

Common Layout Forms Data Spry InContext Editing Text Favorites

Standard Expanded

feedback.html* x index.html* x hours.html x directions.html x

Source Code mystyle.css*

Code Split Design Live View Live Code

0 50 100 150 200 250 300 350

600 650

CSSTYLES

All Current

All Rules

- <style>
- #apDiv1
- mystyle.css
 - a:active
 - a:visited
 - h2
 - h1

Properties

FILES ASSETS SNIPPETS

Library

Name	Size	Full Pa
companybanner	1KB	/Library
navigation		

Refresh Site List
Recreate site list

New Library Item
Edit
Edit Original
Insert



Insert a Library Item

Dreamweaver inserts the library item in the Document window

The screenshot shows the Adobe Dreamweaver interface. The main Document window displays a web page with a yellow header containing the text "LMC Brentwood Burg" in large, bold, red and blue letters. Below the header, the text "Los Medanos College Brentwood Center, 101A Sand Creek Road Brentwood, CA 94513 (925) 513" is visible. The page is divided into two columns: a yellow one on the left and a red one on the right containing the text "Welcome to the Best Stea Diner in Brentwoo". A red arrow points from the text box on the left to a small blue square icon in the Document window, indicating the insertion of a library item. The right-hand side of the interface shows the "CSS STYLES" panel with a tree view of styles, and the "FILES ASSETS SNIPPETS" panel with a "Library" section containing a preview of the LMC logo and a table of library items.

Name	Size	Full Pa
companybanner	1KB	/Library
navigation	3KB	/Library



Insert a Library Item

The screenshot shows a web design tool interface with a live preview of a website. The website has a yellow banner with the text "LMC Brentwood" and "Los Medanos College Brentwood Center, 101A Sand Creek Road Brentwood, CA". Below the banner is a red banner with the text "Welcome to the Best Diner in Brentwood". The library panel on the right shows a "Home" item with a burger icon. Red arrows and numbers 3, 4, and 5 indicate the steps to insert a library item.

3 →

4 →

5 →

7 →

- Refresh Site List
- Recreate site list
- New Library Item
- Edit
- Edit Original
- Insert



Insert a Library Item

The screenshot shows the Adobe Dreamweaver interface. The main workspace displays a web page design for 'LMC Brentwood B'. The page has a yellow header with the text 'LMC Brentwood B' and 'Los Medanos College Brentwood Center, 101A Sand Creek Road Brentwood, CA'. Below the header is a navigation menu with 'Home' and 'Menu' buttons, each featuring a hamburger icon. To the right is a red banner with the text 'Welcome to the Best Diner in Brentwood'. The Dreamweaver interface includes a 'Source Code' window showing 'mystyle.css', a 'CSS STYLES' panel, and a 'LIBRARY' panel showing the 'navigation' item being inserted into the page.

Name	Size	Full
companybanner	1KB /Libre	
navigation	3KB /Libre	

Dreamweaver inserts the library item in the Document window



Insert a Library Item

How do I edit a library item that has been inserted into a page?

- Instances of library items in your page are locked and cannot be edited within the page. To edit a library item, you must either edit the original version of that item from the library or **detach** the library item from the library to edit it within the page.
- However, if you detach the library item from the library, then the item is no longer a part of the library, and it is not updated when you change the library item.



Insert a Library Item

Can I make an element a library item after I have used it on a few pages?

- Yes. You can save any item to the library at any time.
- If you want to make sure that all instances of the item are attached to the library item, simply open any pages where you have already applied the item, delete it, and then insert it from the library.

Edit and Update a Library Item to Your Web Site

- You can edit a library item and then **automatically update** all of the pages in your Web site that feature that item.
- This ability to make global changes can help you save time when updating or redesigning a Web site.

Edit and Update a Library Item to Your Web Site



Edit and update a library item to your web site

1. Double click a **library item** to open it.
2. Edit any **element** in the library item.
3. See steps a to e to edit the library item



Edit and Update a Library Item to Your Web Site

The library item opens in a new window.

You can add or delete text or modify tables.

In this example, 2 rows are created to add a new button

The screenshot shows a web design application with several panels. The main canvas displays a yellow banner with three buttons: "Directions", "Feedback", and "Contact", each with a burger icon. The right sidebar shows the "Library" panel with a "Home" button selected. The bottom status bar shows "HTML" and "CSS" tabs, and the "Properties" panel shows "Format: None", "Class: None", "ID: None", and "Link: None". A red arrow labeled "2" points to the bottom of the banner, and a red arrow labeled "1" points to the "navigation" item in the library panel.

Name	Size	Full Path
companybanner	1KB	/Library/com
navigation	3KB	/Library/nav



Edit and Update a Library Item to Your Web Site

- Select the table by clicking the corner
- Change the rows to 14
- Insert the image called spacer.png

The screenshot shows a web design software interface with a table containing three rows of content: "Directions", "Feedback", and "Contact", each with a hamburger icon. The software interface includes a "Properties" panel at the bottom showing "Table" with "Rows" set to 14 and "Cols" set to 1. A "Library" panel on the right shows a "Home" item with a hamburger icon. Red arrows labeled 'a', 'b', 'c', and 'd' point to the table's corner, the "Rows" field, the table's bottom edge, and the table's top edge respectively.



Edit and Update a Library Item to Your Web Site

d. Insert the rollover images for the Promo menu button

The screenshot shows the Dreamweaver interface with the 'Insert Rollover Image' dialog box open. The dialog box has the following fields and options:

- Image name: promo
- Original image: ../image/buttonpromo.png
- Rollover image: ../image/rollpromo.png
- Preload rollover image
- Alternate text: (empty)
- When clicked, Go to URL: (empty)

Red arrows point from the 'Original image' and 'Rollover image' fields to the 'Browse...' buttons. Another red arrow points from the 'Image name' field to the 'Image' menu item in the top toolbar. A third red arrow points from the 'd' label in the text box to the 'Promo' button on the web page. The web page shows a yellow button with a hamburger icon and the word 'Promo' in red. The 'Properties' panel at the bottom shows the 'navigation' library item with a size of 3KB.



Edit and Update a Library Item to Your Web Site

e. Add the links Web pages for the home, menu, hours, directions and feedback image buttons
Note: Use the Point to File

The screenshot shows a web editor interface. The main workspace displays a vertical navigation menu with five items: Home, Menu, Hours, Directions, and Feedback. Each item consists of a hamburger icon and the item name in a red, stylized font inside a white oval with a blue border. The menu is set against a yellow background. A red bracket on the left side of the menu points to the text in the adjacent box.

On the right side of the editor, there is a 'FILES' panel showing a file explorer view. The current directory is 'chap11a'. The file list includes:

Local Files	Size	Type
Site - chap11a (E:\C...		Folder
image		Folder
Library		Folder
Calorie_Chart.pdf	60KB	Adobe A
directions.html	6KB	HTML Do
feedback.html	9KB	HTML Do
hours.html	7KB	HTML Do
index.html	7KB	HTML Do
menu.html	8KB	HTML Do
mystyle.css	3KB	Cascadir

An arrow points from the 'index.html' file in the file explorer to the 'Home' button in the navigation menu. The bottom of the editor shows the 'PROPERTIES' panel for the selected 'Home' button, with fields for ID (home), Width (213), Height (90), and Link (#).

Edit and Update a Library Item to Your Web Site



Edit and update a library item to your web site

3. Click **File**
4. Click **Save**
5. Click **Update**
6. After Dreamweaver updates the site, click **Close.**



Edit and Update a Library Item to Your Web Site

3 → File Edit View Insert Modify Format Commands Site Window Help

4 → Save Ctrl+S

5 → Update Library Items

6 → Update Pages

Update library items in these files?

- index.html
- hours.html
- directions.html
- menu.html

Update

Don't Update

Look in: Files That Use... navigation Done

Update: Library items Templates

Show log Done

Close Help

Directions

Home

Name	Size	Ful
navigation	4KB	/Lib

Format: None Class: None

ID: None Link:

The Updated Library items dialog box appears, asking if you want to update all instances of the library item in the site.

The Update Pages dialog box appears, showing the progress of the updates.

All pages where the library item appears are updated.

Edit and Update a Library Item to Your Web Site



What do my page look like after I have edited a library item and updated my Web site?

- When you edit a library item and choose to update any instances of the library item that are already inserted into your Web pages, all of those **instances are replace** with the edited versions.
- By using the library feature, you can make a change to a single library item and have **multiple Web pages** updated automatically.

Edit and Update a Library Item to Your Web Site



Can I undo an update to a library item?

- Technically, no. When you update pages with the library feature, the Undo command does not undo all of the instances of these changes.
- However, you can go back to the Assets panel, open the library item, change it back to the way it was, and then apply those changes to all of the pages again.

Detach Library Content for Editing

- You can **detach** an inserted library item from the original stored library item and then edit it as you would any other element in a Web page.
- If you detach a library item, then you can **no longer** make automatic updates when you change the original stored library item.

Detach Library Content for Editing



Detach library content for editing

1. Click to select the **library item** that you want to edit independently.
2. Click **Detach** from original
3. Click **OK**
4. Click where you want to edit the **library item**, and make any edits that you want.

Detach Library Content for Editing



Detach library content for editing

The screenshot shows the Dreamweaver interface with a website page open. A red arrow labeled '1' points to the top banner area. A dialog box is open in the center, displaying a warning: "If you make this item editable, it will no longer be possible to automatically update it when the original changes." Below the warning is a checkbox labeled "Don't warn me again..." and a red arrow labeled '3' points to the "OK" button. In the bottom right corner, a red arrow labeled '2' points to the "Detach from original" button in the "Library item" panel. The "Library" panel on the right shows a "Home" library item. The "Properties" panel at the bottom right shows a table with columns "Name", "Size", and "Full":

Name	Size	Full
navigation	4KB	/Lib

The "Source Code" panel at the top shows the following HTML code:

```
<body> <div#banner> <mm:libitem>
```

Detach Library Content for Editing



When should I use the Detach from Original command?

- This command is useful when you use library items as partial page templates for specific design elements.
- For example, if you plan to have many captioned images in your Web site, you can create a library item with a two celled table that contains a generic image and a formatted. As a result, rather than re-creating the table ever time you want to add an image, you can insert the library item and then detach it from the library to make it editable.

Detach Library Content for Editing



Can you reattach a library item?

- Not exactly, but you can always reinsert a library item into a page and then delete the unattached library item.
- As a result, any changes that you make to the stored version are applied to the newly inserted version.
- Inserting a library item again may be faster than making the updates manually.