# Chapter 7

# Adding Visual Effects to Web Pages

## Activity 7.1: Exploring jQuery

### Problem Statement

Create a Web page, Offers, in the ShowOnWheels website displaying the information about bank offers and lucky draws. The information should be visible only when the user moves the mouse pointer on the Bank Offers and Lucky Draw links.

**Prerequisite**: To perform this activity, you need to use the solution of **ShowOnWheels** that you have created in Activity 6.1. In addition, you need the **jquery-1.8.3.js** file and save it in the **ShowOnWheels** folder. Ask your faculty to provide you the same.

### Solution

To display the information about bank offers and lucky draws on mouse move, you need to perform the following tasks:

1. Create the Offers.html file.
2. Update the nav.html file.
3. View the Offers.html file.

#### Task 1: Creating the Offers.html File

To create the **Offers.html** file, you need to perform the following steps:

1. Open Notepad.
2. Add the following code snippet in Notepad:

<!DOCTYPE HTML>

<HTML>

<HEAD>

</HEAD>

<BODY>

<A ID="bank" href="">Bank Offers</A>

<A ID="pro" href="">Lucky Draw</A>

<DIV ID="coolMenu" style=" width: 500px; height: 400px; padding-top: 0px; border:4px solid orange; background-color:black;">

<TABLE>

<TR>

<TH><B>Bank Offers</B></TH>

</TR>

<TR><TD>Use ACA Bank Credit Card and Avail Buy 1 Get 1 Free Offer</TD></TR>

<TR><TD>Use ACE Bank Debit Card and Get 5% Off on Tickets</TD></TR>

<TR><TD>Use FHDC Bank Credit Card and Get 10% Off on Tickets</TD></TR>

<TR><TD>Use AQ Bank Credit Card and Avail Buy 2 Get 1 Free Offer</TD></TR>

</TABLE>

</DIV>

<DIV ID="prooffers" style=" width: 500px; height: 400px; padding-top: 0px; align:right;border:4px solid orange; background-color:black;">

<TABLE>

<TR>

<TH><B>Lucky Draw</B></TH>

</TR>

<TR><TD>Book Tickets Online And Get a Chance to Grab Dinner Vouchers at Aura</TD></TR>

<TR><TD>Register on our Website Now and Get a Chance to Grab Free Tickets</TD></TR>

<TR><TD>Avail 20% Discounts on tickets at Marcus Cinemas</TD></TR>

</TABLE>

</DIV>

</BODY>

</HTML>

The preceding code snippet creates two links, Bank Offers and Lucky Draw.

1. Add the following code snippet after the <HEAD> tag:

<STYLE>

a{

color:orange;

font-size:20px;

}

th{

color: orange;

font-size:30px;}

tr{

color:orange;

font-size:20px;

}

</STYLE>

The preceding code snippet applies styles to the links and tables.

1. Add the following code snippet after the </STYLE> tag:

<SCRIPT type="text/javascript" src="jquery-1.8.3.js"></SCRIPT>

<SCRIPT type="text/javascript">

$(document).ready(function(){

$("#coolMenu").hide();

$("#prooffers").hide();

$("#bank").mouseenter(function(){

$("#coolMenu").show(500);

});

$("#bank").mouseleave(function(){

$("#coolMenu").hide(500);

});

$("#pro").mouseenter(function(){

$("#prooffers").show(500);

});

$("#pro").mouseleave(function(){

$("#prooffers").hide(500);

});

});

</SCRIPT>

The preceding code snippet applies visual effects to the <DIV> tag using jQuery.

1. Save the file with the name, **Offers.html**, in the **ShowOnWheels** folder.
2. Close the **Offers.html** file.

#### Task 2: Updating the nav.html File

To update the **nav.html** file, you need to perform the following steps:

1. Open the **nav.html** file.
2. Add the following code snippet after the <A href="OnlineBooking.html" target="frame5">Online Booking</A> | line of code:

<A href="Offers.html" target="frame5">Offers</A> |

The preceding code snippet creates a link for the Offers Web page.

1. Save and close the **nav.html** file.

#### Task 3: Viewing the Offers.html File

To view the **Offers.html** file, you need to perform the following steps:

1. Open Google Chrome.
2. Type **D:\HTML\ShowOnWheels\mainframe.html** in the address bar.
3. Press the **Enter** key. The home page appears.
4. Click the **Offers** link on the home page. The **Offers** Web page appears, as shown in the following figure.

*The Offers Web Page*

1. Move the mouse over the **Lucky Draw** link on the **Offers** Web page. The information about lucky draw appears, as shown in the following figure.

*The Information About Lucky Draw*

Similarly, move the mouse over the **Bank Offers** link to view the information about the bank offers.

1. Close the Web browser.

## Activity 7.2: Creating an Image Gallery

### Problem Statement

To enhance the browsing experience of the users, the management of ShowOnWheels website wants to display the image gallery of the movies. Therefore, they approach a Web developer to implement the required functionality on the website. After analyzing the requirement, the Web developer decides to create an image gallery by using thegalleria plugin. Help the Web developer to create the image gallery.

**Prerequisite**: To perform this activity, you need to use the **ShowOnWheels** file that you have created in Activity 7.1. In addition, you need the **galleria-1.2.8.zip** file and save it in the **ShowOnWheels** folder. Moreover, you need the following image files:

* **movieimage1\_bee.jpg**
* **movieimage1\_bee1.jpg**
* **movieimage2\_alvin.jpg**
* **movieimage2\_alvin1.jpg**
* **movieimage3\_amy.jpg**
* **movieimage4\_bolt.jpg**
* **movieimage4\_bolt1.jpg**
* **movieimage5\_wolf.jpg**

Ask your faculty to provide you the same.

### Solution

To create an image gallery, you need to perform the following tasks:

1. Copy the galleria plugin.
2. Copy the jquery-1.8.3.js file.
3. Copy the images to the contentFiles folder.
4. Update the home.html file.
5. Update the homestylesheet.css file.
6. View the mainframe.html file.

#### Task 1: Copying the galleria Plugin

To copy the galleria plugin, you need to perform the following steps:

1. Create a folder named **ImageGallery** in the **ShowOnWheels** folder.
2. Copy the **galleria-1.2.8.zip** file in the **ImageGallery** folder.
3. Unzip the **galleria-1.2.8.zip** file.

#### Task 2: Copying the jquery-1.8.3.js File

To copy the **jquery-1.8.3.js** file, you need to perform the following steps:

1. Create a folder named **jQueryS** in the **ImageGallery** folder.
2. Copy the **jquery-1.8.3.js** file in the **jQueryS** folder.

#### Task 3: Copying the Images to the contentFiles Folder

To copy the images to the **contentFiles** folder, you need to perform the following steps:

1. Create a folder named **contentFiles** in the **ImageGallery** folder.
2. Copy all the image files provides as input to the **contentFiles** folder.

#### Task 4: Updating the home.html File

To update the home.html file, you need to perform the following steps:

1. Open the **home.html** file.
2. Add the following code snippet <TITLE>Home Page of ShowOnWheels</TITLE> line of code:

<SCRIPT src=" ImageGallery/jQueryS/jquery-1.8.3.js "></SCRIPT>  
<SCRIPT src="ImageGallery/galleria-1.2.8/galleria/galleria-1.2.8.js"></SCRIPT>

The preceding code snippet adds the JavaScript files in the html file.

1. Add the following code snippet after the Your browser does not support this audio format.</VIDEO></DIV> line of code:

<SCRIPT>   Galleria.loadTheme('ImageGallery/galleria-

1.2.8/galleria/themes/classic/galleria.classic.min.js');

$("#gallery").galleria({

        width: 950,

        height: 400

        });

</SCRIPT>

1. Delete the following code:

<IMG src="images\movieimage1\_bee.png" width="185" height="200">

<IMG src="images\movieimage2\_alvin.jpg" width="185" height="200">

<IMG src="images\movieimage3\_amy.jpg" width="185" height="200">

<IMG src="images\movieimage4\_bolt.jpg" width="185" height="200">

<IMG src="images\movieimage5\_wolf.jpg" width="185" height="200">

1. Add the code after the <H4>Currently, showing...</H4> line of code:

<DIV id="gallery">

<IMG src="ImageGallery/contentFiles/movieimage1\_bee.jpg">

<IMG src="ImageGallery/contentFiles/movieimage1\_bee1.jpg">

<IMG src="ImageGallery/contentFiles/movieimage2\_alvin.jpg">

<IMG src="ImageGallery/contentFiles/movieimage2\_alvin1.jpg">

<IMG src="ImageGallery/contentFiles/movieimage3\_amy.jpg">

<IMG src="ImageGallery/contentFiles/movieimage4\_bolt.jpg">

<IMG src="ImageGallery/contentFiles/movieimage4\_bolt1.jpg">

<IMG src="ImageGallery/contentFiles/movieimage5\_wolf.jpg">

</DIV>

1. Save and close the **home.html** file.

#### Task 5: Updating the homestylesheet.css File

To update the **homestylesheet.css** file, you need to perform the following steps:

1. Open the **homestylesheet.css** file.
2. Replace the top: 300px; line of code with the following code snippet:

top: 500px;

1. Replace the top: 350px; line of code with the following code snippet:

top: 560px;

1. Save the **homestylesheet.css** file.

#### Task 6: Viewing the mainframe.html File

To view the **mainframe.html** file, you need to perform the following steps:

1. Open Google Chrome.
2. Type **D:\HTML\ShowOnWheels\mainframe.html** in the address bar.
3. Press the **Enter** key. The home page appears displaying the image gallery, as shown in the following figure.

*The Home Page*

1. Close the Web Browser.

# Exercises

### Exercise 1

Create a link, Admission, on the SkyLight University website to display the admission calendar for the courses, Social Psychology, Botany, and Communications. The calendar appears when the user moves the mouse over the Admission Calendar link, as shown in the following figure.

*The Calendar*

How will you perform this task?

**Prerequisite**: To perform this exercise, you need to use the solution file created for Exercise 1 of Chapter 6. In addition, you need the **jquery-1.8.3.js** file.

### Exercise 2

To enhance the browsing experience of the users in the SkyLight University website, the management of the university wants that the website should display the slideshow of the college campus images. When a user clicks the link, University Image Gallery, the slideshow starts, as shown in the following figure.

*The University Image Gallery Link*

The management approaches you to implement the required functionality on the website. After analyzing the requirement, you decide to create an image gallery by using the **colorbox** plugin.

**Prerequisite**: To perform this exercise, you need to use the solution file created for Exercise 1 of Chapter 7. In addition, you need the **colorbox.zip** folder and the following image files:

* **Campusimage1.png**
* **Campusimage2.png**
* **Campusimage3.jpg**
* **Campusimage4.jpg**
* **Campusimage5.png**

### Exercise 3

You have been assigned a task to create a Web page for the USASiteSeeing website. The Web page should display the images of tourist locations in USA. In addition, you need to apply rollover effect on the images in such a way that the description of locations should appear on the image mouse over, as shown in the following figure.

*The Travel Around.Inc. Web Page*

How will you perform this task?

**Prerequisite**: To perform this exercise, you need to use the **jquery-1.8.3js** file and the following image files:

* **nationalgallery.jpg**
* **NationalGOA\_ex.png**
* **sanjose.jpg**
* **sanjose\_ex.png**
* **statueofliberty.jpg**
* **StatueofLiberty\_ex.png**
* **Whitneymuseum\_ex.jpg**
* **WhitneyMuseumofAmericanArt.jpg**

### Exercise 4

### Exercise 5