PROJECT 2: **Share Your Travel Photos**

HANDS-ON EXERCISES

Project 14.2

Overview

Demonstrate your ability to retrieve information from a database and display it. This will require a variety of more sophisticated SQL queries. The results when finished will look similar to that shown in Figure 14.36.
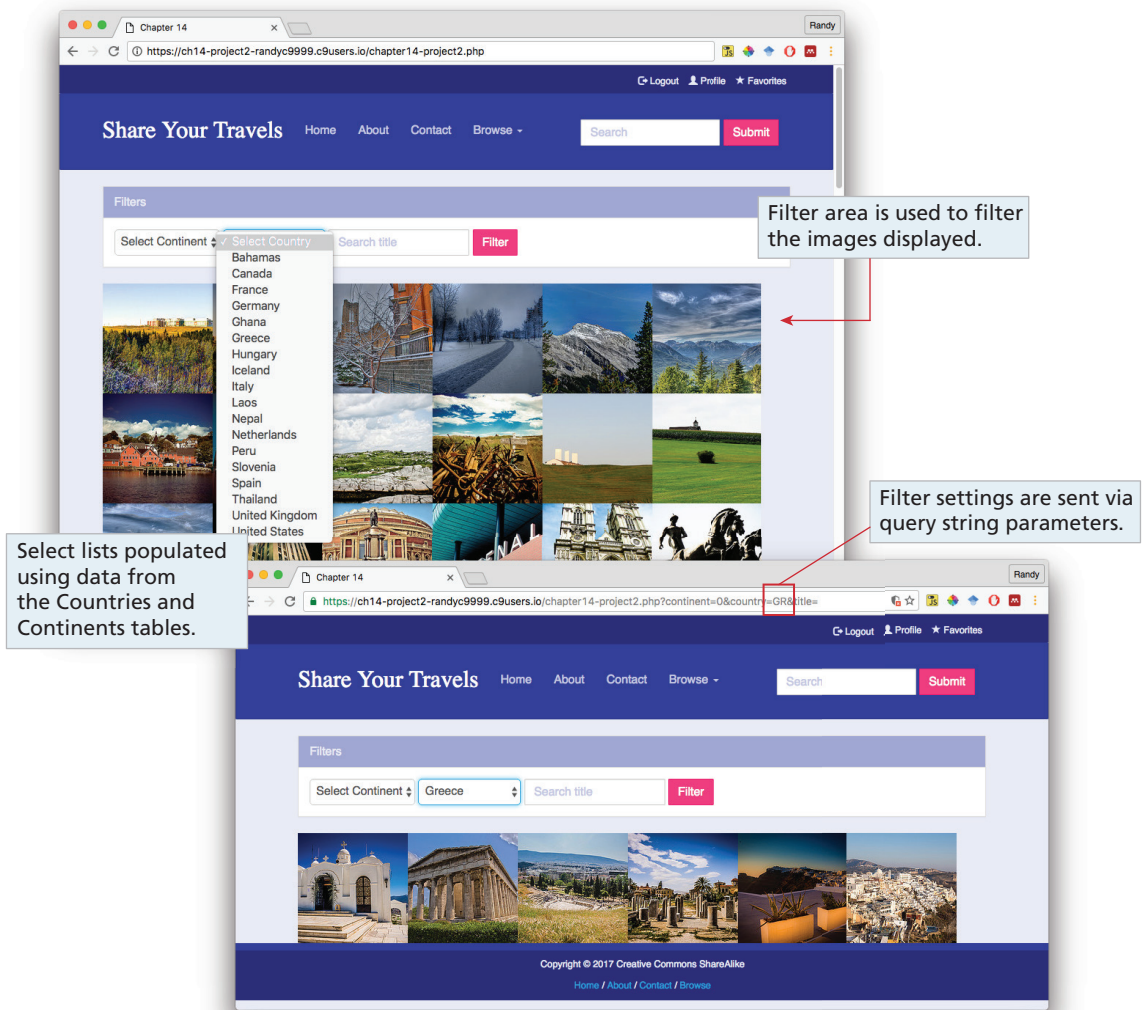

Filter area is used to filter the images displayed.

Filter settings are sent via query string parameters.

Select lists populated using data from the Countries and Continents tables.

FIGURE 14.36 Completed Project 2

Instructions

1. You have been provided with a PHP page (**chapter14-project2.php**) along with various include files.
2. You will need to retrieve information from three tables: `Continents`, `Countries`, and `ImageDetails`.
3. Display every image (use the version from the `square-medium` folder) in the `ImageDetails` table. The `Path` field contains the filename of the image. Each image should be a link to **detail.php** with the `ImageID` field passed as a query string. This `detail.php` page is not supplied; you could however extend this exercise by modifying the **detail.php** page provided in Chapter 12, Project 2.
4. The filter section near the top of the page will be used to filter/reduce the number of images displayed in the image list. The user will be able to display only those images from a specific continent, country, or images whose Title field contains a search word after the user clicks the Filter button.
5. You will need to display every record from the `Continents` tables within the `<select>` list that appears in the filter section near the top of the page. Each `<option>` element should display the `ContinentName` field; the `ContinentCode` field should be used for option value.
6. For the Countries `<select>` list, you will display only those countries that have a matching record in the `ImageDetails` table. This will require an `INNER JOIN` along with a `GROUP BY`.
7. When the user clicks the Filter button, the page should display only those images whose `CountryCodeISO` or `ContinentCode` or `Title` fields match the specified valued in the filter area. For the Title field, match any records whose Title field contains whatever was entered into the search box (hint: use SQL `Like` along with the wildcards character).

Test

1. Test the page. Verify the filters work as expected.

PROJECT 3: Art Store

DIFFICULTY LEVEL: Advanced

Overview

Demonstrate not only your ability to generate dynamic pages from multiple database tables, but also the ability to design a solution that minimizes code duplication. This project also makes use of a CSS Framework called SemanticUI. The results when finished will look similar to that shown in Figure 14.37.

HANDS-ON EXERCISES

Project 14.3

Instructions

1. You have been provided with two HTML files (**list.html** and **detail.html**) that includes all the necessary markup. You have also been provided with an SQL import script (art-small.sql) as well as all the images needed for these two pages. You should create a database named art and import the data.