PROJECT 3: Share Your Travel Photos

DIFFICULTY LEVEL: Advanced

**HANDS-ON
EXERCISES**

PROJECT 8.3

Overview

Demonstrate your ability to work with PHP by creating PHP functions and include files so that **Chapter08-project03.php** looks similar to that shown in Figure 8.18.

Instructions

1. You have been provided with a PHP file (**Chapter08-project03.php**) that includes all the necessary markup. Move the header, footer, and left navigation boxes into three separate include files. Use the PHP `include()` function to include each of these files back into the original file.

2. Create a function called `generateLink()` that takes three arguments: `$url`, `$label`, and `$class`, which will echo a properly formed hyperlink in the following form:

   ```
   <a href="$url"
   class="$class">$label</a>
   ```

3. Create a function called `outputPostRow()` that takes a single argument: `$number`. This function will echo the necessary markup for a single post. For it to work, you will need to include a file called **travel-data.php.** (Hint: remember PHP's scope rules). This is a provided file that defines variables containing the post data for all three posts. Your function will need to use dynamic variable names. Be sure to also use your `generateLink()` function for the three links (image, user name, read more) in each post. Notice that these links contain query strings making use of the `userId` or `postId`.

4. Two of the user names contain special characters. Be sure to use the `utf8_encode()` function.

5. Remove the existing post markup and replace with calls to `outputPostRow()`, for instance: `outputPostRow(1);`

6. Move the pagination markup into a function called `ouputPagination()` that takes two parameters: `$startNum`, `$currentNum`. This function will use a loop to output ten page numbers that start with the value provided in `$startNum`. For the page number indicated by `$currentNum`, the function must add the `class="active"` attribute to the appropriate `<li>` element. Finally, the function should add the `class="disabled"` attribute to the first `<li>` element if the `$startNum` is less than or equal to ten.
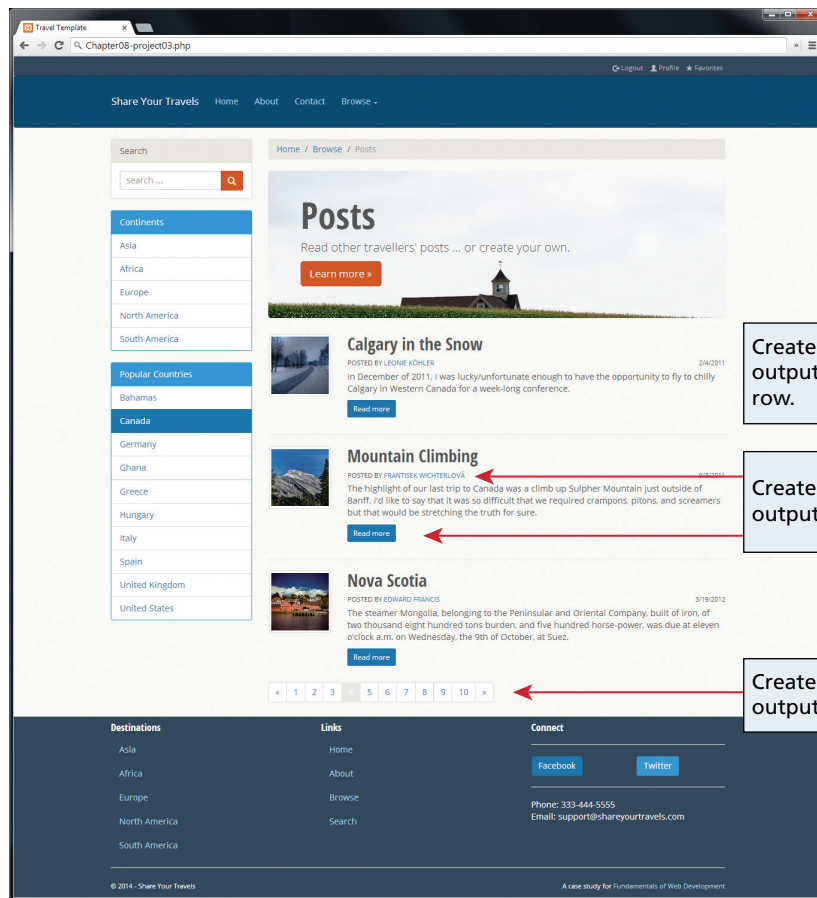
Test

1. Test the page in the browser. Verify that `ouputPagination()` works appropriately with different `$startNum` and `$currentNum` parameters.

Move <header> element into separate file and include it.

Move left navigation boxes into separate files and include them.

Move <footer> element into separate file and include it.

Create function to output single post row.

Create function to output links.

Create function to output pagination.

FIGURE 8.18 Completed Project 3

Project 03 - Useful Hints regarding chapter08-project03.php structure

```php
<?php

function outputPostRow($number)
{
   Include travel-data.php here...

   $postLink = 'post.php?id='. ${"postId". ...};
   $image = '<img src="images/travel/' . ${"thumb". ...} . '" alt="' . ${"title". ...} . '"
class="img-thumbnail"/>';

   $user =  utf8_encode(${"userName". ...}) ;
   $userLink = generateLink("user.php?id=" . ${"userId". ...}, $user, null);

   echo '<div class="row">';
   echo '<div class="col-md-2">';
   echo generateLink(..., ..., null);
   echo '</div>';
   echo '<div class="col-md-10">';
   echo '<h2>' . ${"title". ...} . '</h2>';
   echo '<div class="details">';

   echo 'Posted by ' . $userLink;
   echo '<span class="pull-right">' . ${"date". ...} . '</span>';
   echo '</div>';
   echo '<p class="excerpt">';
   echo ${"excerpt". ...};
   echo '</p>';
   echo '<p>' . generateLink(..., ..., 'btn btn-primary btn-sm') . '</p>';
   echo '</div>';
   echo '</div>';
}

function generateLink($url, $label, $class)
{
   $link = '<a href="' . $url . '" class="' . $class . '">';
   $link .= $label;
   $link .= '</a>';
   return $link;
```

```php
}

function ouputPagination($startNum, $currentNum)
{
  echo '<ul class="pagination">';
  $disabled = '';
  if ($startNum <= 10)
    $disabled = ' class="disabled"';
  echo '<li' . $disabled . '>' . generateLink("#", ..., null) . '</li>';

  $number = $startNum;
  for ($i=0; $i < 10; $i++)
  {
    $active = '';
    if ($number == $currentNum)
      $active = ' class="active"';
    echo '<li' . $active . '>';
    echo generateLink('#', ..., null);
    echo '</li>';
    $number++;
  }

  echo '<li><a href="#">&raquo;</a></li>';
  echo '</ul>';
}

?>

<!DOCTYPE html>
<html lang="en">
<head>
  <meta http-equiv="Content-Type" content="text/html;
  charset=UTF-8" />
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <meta name="description" content="">
  <meta name="author" content="">
  <title>Travel Template</title>

  <link rel="shortcut icon" href="../../assets/ico/favicon.png">

  <!-- Google fonts used in this theme  -->
```

```
  <link href='http://fonts.googleapis.com/css?family=Open+Sans+Condensed:700'
rel='stylesheet' type='text/css'>
  <link
href='http://fonts.googleapis.com/css?family=Open+Sans:300italic,400italic,600italic,700i
talic,400,800,600,700,300' rel='stylesheet' type='text/css'>

  <!-- Bootstrap core CSS -->
  <link href="bootstrap3_travelTheme/dist/css/bootstrap.min.css" rel="stylesheet">
  <!-- Custom styles for this template -->
  <link href="bootstrap3_travelTheme/theme.css" rel="stylesheet">

  <!-- HTML5 shim and Respond.js IE8 support of HTML5 elements and media queries -->
  <!--[if lt IE 9]>
  <script src="bootstrap3_travelTheme/assets/js/html5shiv.js"></script>
  <script src="bootstrap3_travelTheme/assets/js/respond.min.js"></script>
  <![endif]-->
</head>

<body>
```

Include *travel-header.php* here…

```
<div class="container">  <!-- start main content container -->
  <div class="row">  <!-- start main content row -->
    <div class="col-md-3">  <!-- start left navigation rail column -->
```
      Include *travel-left-rail.php* here…
```
    </div>  <!-- end left navigation rail -->

    <div class="col-md-9">  <!-- start main content column -->
      <ol class="breadcrumb">
       <li><a href="#">Home</a></li>
       <li><a href="#">Browse</a></li>
       <li class="active">Posts</li>
      </ol>

      <div class="jumbotron" id="postJumbo">
       <h1>Posts</h1>
       <p>Read other travellers' posts ... or create your own.</p>
       <p><a class="btn btn-warning btn-lg">Learn more &raquo;</a></p>
      </div>

      <!-- start post summaries -->
      <div class="postlist">
```

Call the function <mark>outputPostRow with argument 1 here…</mark>
    <hr/>
    Call the function <mark>outputPostRow with argument 2 here…</mark>
    <hr/>
    Call the function <mark>outputPostRow with argument 3 here…</mark>
    </div>

    <!-- replace pagination with function call -->
    Call the function <mark>outputPagination with arguments 1 and 4</mark> here…
    <?php ouputPagination(1, 4); ?>

    </div> <!-- end main content column -->
  </div> <!-- end main content row -->
</div>   <!-- end main content container -->

Include <mark>travel-footer.php</mark> here…

<!-- Bootstrap core JavaScript
== -->
<!-- Placed at the end of the document so the pages load faster -->
<script src="bootstrap3_travelTheme/assets/js/jquery.js"></script>
<script src="bootstrap3_travelTheme/dist/js/bootstrap.min.js"></script>
<script src="bootstrap3_travelTheme/assets/js/holder.js"></script>
</body>
</html>

Variables / Arguments	Function where used
$number	outputPostRow()
$postLink, $image, 'Read more', "«", $number	generateLink()