

PHP Exercises

One

In your web publishing area, create a folder/directory called *resources*. From *barryavery.com* download the *code.zip* file which contains the following files:

- layout.php INTO resources
- styles.css INTO resources
- mainfeedback.html ABOVE resources in your main web publishing area

Two

Open *mainfeedback.html* in a browser to see the design - then open it in an appropriate text editor to view the structure. Note the use of a limited range of HTML tags and the use of DIV / SPAN tags for structure.

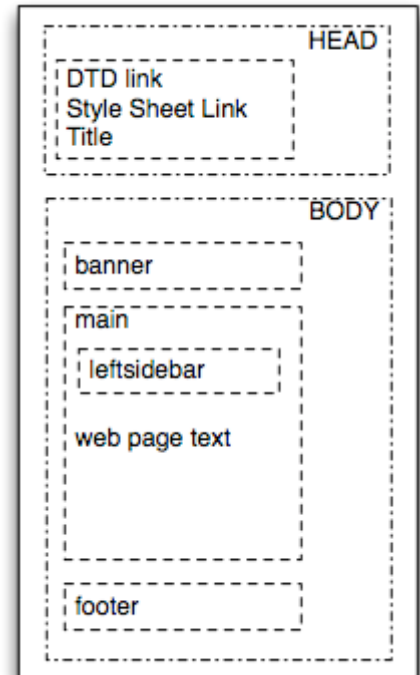
Save the file under a different name – call it *mainfeedback.php*

Three

The resources folder contains a file called *layout.php*. Open it in an appropriate editor and examine the function *pageTop*:

```
function pageTop($pageTitle){
print('<!DOCTYPE HTML PUBLIC "-//W3C//DTD HTML 4.01 Transitional//EN"');
print(' "http://www.w3.org/TR/html4/loose.dtd">');
print('<html>');
print('<head>');
print('<link rel="stylesheet" href="resources/styles.css" type="text/css"> ');
print('    <style type="text/css" media="all"> ');
print('        @import "resources/styles.css";');
print('        @import("resources/styles.css");');
print('    </style>');
print("<title>$pageTitle</title>");
print('<meta http-equiv="Content-Type" content="text/html; charset=iso-8859-1">');
print('</head>');
print('<body>');
};
```

Replace the top section of *mainfeedback.php* with a call to this function. You will need to add an appropriate *include* statement, and pass in the appropriate text through the *\$pageTitle* parameter:



Before	After
<pre><!DOCTYPE HTML PUBLIC "-//W3C//DTD HTML 4.01 Transitional//EN" "http://www.w3.org/TR/html4/loose.dtd"> <html> <head> <link rel="stylesheet" href="resources/styles_nn.css" type="text/css"> <style type="text/css" media="all"> @import "resources/styles.css"; @import("resources/styles.css"); </style> <title>Student Feedback System</title> <meta http-equiv="Content-Type" content="text/html; charset=iso-8859-1"> </head> <body> <div id="banner"> <h1>Feedback</h1> ... etc.</pre>	<pre><?php include "resources/layout.php"; pageTop("Student Feedback System"); ?> <div id="banner"> <h1>Feedback</h1> ...etc.</pre>

Test *mainfeedback.php* in a browser window to ensure that it still works.

Four

layout.php contains the following four functions *pageStart*, *pageFinish*, *pageBottom* and *pageBanner*. Replace text in *mainfeedback.php* with calls to each of these functions (note the required parameter in *pageBanner* – you will need to call this function with the appropriate text).

```
function pageStart(){
print('<div id="main">');
};

function pageFinish(){
print('</div>');
};

function pageBottom(){
print('</body>');
print('</html>');
};

function pageBanner($pagebanner){
print('<div id="banner">');
print('<h1>Student Feedback</h1>');
print('<h2>We <i>really</i> value your feedback</h2>');
print "<h3>$pagebanner</h3>";
print('</div>');
};
```

Test *mainfeedback.php* in a browser window to ensure that it still works.

Five

layout.php contains a function called *menu* which takes a *div* name and an array of menu items:

```
function menu($divId, $menuItems)
{
print ('<div id="'. $divId. '>');
$noOfMenuItems=count( $menuItems);
for($menuIndex=0;$menuIndex<$noOfMenuItems;$menuIndex++){
    print "<a href=\"". $menuItems[$menuIndex][1]. "\">". $menuItems[$menuIndex][0]. "</a>";
};
print("</div>");
};
```

To create an array structure to use with this function we would use:

\$menuItems	
0	1
This is the text for link 1	http://www.google.com
This is the text for link 2	mainfeedback.html
	...

```
$row_0 = array("This is the text for link 1", "http://www.google.com");
$row_1 = array("This is the text for link 2", "mainfeedback.html");
$menuArray = array($row_0,$row_1);
menu("leftsidebar", $menuArray);
```

The menu function would then produce:

```
<div id="leftsidebar">
    <a href=" http://www.google.com ">This is the text for link 1</a>
    <a href=" mainfeedback.html "> This is the text for link 2</a>
</div>
```

IN LAYOUT.PHP:

Write a function called *pageLeftMenu()* which will create an array structure to replace the left menu HTML in *mainfeedback.php*. It should look something like this:

```
function pageLeftMenu()
{
$row_0 = array("menu text here", "link here");
$row_1 = array("menu text here", "link here");
$menuArray = array($row_0,$row_1);
menu("leftsidebar", $menuArray);
};
```

Now edit *mainfeedback.php* to replace the left side bar div with an appropriate function call:

Before	After
<pre><div id="leftsidebar"> Main page Provide Feedback Staff login page </div> ... etc.</pre>	<pre>pageLeftMenu();</pre>

Test *mainfeedback.php* in a browser window to ensure that it still works.

Six

Repeat the steps you followed in Exercise Five to replace the footer *div*:

- In *layout.php* write a function called *pageFooterMenu()* that creates the array and calls the *menu* function
- Edit *mainfeedback.php* to replace the div block with a call to *pageFooterMenu()*

Test *mainfeedback.php* in a browser window to ensure that it still works.

Your final version of *mainfeedback.php* should look like this:

```
<?php
include "resources/layout.php";

pageTop("Student Feedback System");
pageBanner("Main Page");
pageStart();
pageLeftMenu();
?>

<h1>Student Feedback System</h1>
<p>Welcome to the Student Feedback system.</p>

<?php
pageFinish();
pageFooterMenu();
pageBottom();
?>
```