PHP: Using Checkboxes and Radio Buttons

Dapper Dogs offers a basic dog wash service as well as extras such as flea rinse and nail clipping.

Students would already have studied *checkboxes code in PHP.txt* and *radio buttons and php.txt .*

**Scope**

An electronic form which displays the basic charges for a dog washing service and allows the customer to choose which extras they want will make the process of data gathering much quicker and more accurate. The form will also gather the payment methods, the number of dogs to be washed and a pensioner discount.

The solution will not save any data to an external file or add to a database. Rather the solution is a prototype.

|  |  |
| --- | --- |
| FR01 | Basic charge is $18 for one dog but $15 each for two or more dogs. |
| FR02 | Customers will indicate if they want a flea rinse or not; the rinse incurs an extra charge of $5. |
| FR03 | Customers will indicate if they want the fur to be blowdried or not; the blowdry incurs an extra charge of $5. |
| FR04 | Customers will indicate if they want nails clipped or not; the clipping incurs an extra charge of $10. |
| FR05 | The customers will indicate if they want long lasting, fresh cologne added to the rinse water. This incurs no extra charge. |
| FR06 | Pensioners are given a 10% discount |
| FR07 | Customers must choose from MasterCard, Visa or cash as a payment method. |
| FR08 | Dogwash workers can return to the main form to enter further data and all choices are cleared. |

|  |  |
| --- | --- |
| NFR01 | Instructions must be clear and create no ambiguity. |
| NFR02 | Charges are displayed as currency and must be displayed with a $ sign and two decimal places. |
| NFR03 | The source code is copyright to Dapper Dogs. |
| NFR04 | Updateability: The source code is clearly documented to allow changes to be made efficiently. |
| NFR05 | All calculations must be accurate. |
| NFR06 | Messages must be clear and unambiguous. |

Below is some sample code to get you started.

The HTML form, if you choose to use it. Notice that there are several fieldset tags. This is done to separate the form into logical elements.

Here is some of the PHP code.

<!DOCTYPE html>

<html>

<head>

 <meta charset="utf-8">

 <title> Form</title>

 <link rel="stylesheet" type = "text/css" media="screen" href="teal.css" >

</head>

<body>

<header>

 <h1>Dapper Dogs</h1>

 <hgroup>

 <h4> Dog Wash Service</h4>

 <h4>Wash, blowdry, flea rinse</h4>

 </hgroup>

</header>

<form class="contact\_form" action="dog.php" method="post" name="contact\_form">

 <ul>

 <li>

 <h2>Customer Information</h2>

 <span class="required\_notification">\* Denotes Required Field</span>

 </li>

 <li><!-- number - needs further validation -->

 <label for="numDogs">How many dogs need the hydrobath?</label>

 <input type="number" size = "2" name="numDogs" min="1" max="5" placeholder="4" required />

 <span class="form\_hint">A whole number between 1 and 6 only</span>

 </li>

 <li> <!-- checkboxes -- fieldset and legend optional -->

 <fieldset class ="checkbox">

 <legend>Extras </legend>

 <label for="fleas"> <input type="checkbox" name="chkFleas" class = "checkbox " value = "5" />Flea Rinse </label>

 <!--<span class="form\_hint">Proper format "http://someaddress.com"</span> -->

 <p><label for="blowdry"><input type="checkbox" name="chkBlowdry" class = "checkbox" value = "5" />Blowdry</label>

 </p>

 <p><label for="nails"><input type="checkbox" name="chkNails" class = "checkbox" value = "10" />Nail Clipping</label>

 </p>

 <p><label for="cologne"><input type="checkbox" name="chkCologne" class = "checkbox" value = "0" />Fresh Longlasting Cologne</label>

 </p>

 </fieldset>

 </li>

 <li> <!-- checkboxes -- for pensioner discount -->

 <fieldset class ="checkbox">

 <legend>Are you a pensioner? </legend>

 <label for="pensioner"> <input type="checkbox" name="chkPensioner" class = "checkbox " value = "Yes" />Yes </label>

 <!--<span class="form\_hint">Proper format "http://someaddress.com"</span> -->

 </fieldset>

 </li>

 <li><!-- dropdown list -->

 <label for="payment">Method of payment</label>

 <select name = "payment" required >

 <option value="mastercard">Mastercard </option>

 <option value="visa">Visa </option>

 <option value="cash">Cash </option>

 </select>

 </li>

 <li>

 <button class="submit" type="submit">Submit Form</button>

 </li>

 </ul>

</form>

</body>

</html>

**dog.php**

<?php

/\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

file: dog.php

called from dog.html

calculate charges and extras for dog care work

Allow the collection of running totals data

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*/

include('library.inc');

page\_header('Dapper Dogs');

$extras = 0; //initialise this variable

$numDogs = $\_POST['numDogs'];

if($numDogs >=5)

{

 $dogcharge = 15;

}

else

{

$dogcharge = 18;

}

if(isset($\_POST['chkFleas'])&& $\_POST['chkFleas'] == '5' )

{

$extras += 5;

$msg1 = "Customer has requested flea rinse.<br />";

echo "<br />$msg1 <br />";

}

if(isset($\_POST['chkBlowdry']) && $\_POST['chkBlowdry'] == '5')

{

 $extras += 5;

$msg2 = "Customer has requested a blowdry.<br />";

echo "<br />$msg2";

}

if(isset($\_POST['chkNails'])&& $\_POST['chkNails'] == '10' )

{

$extras += 10;

$msg3 = "Customer has requested nail clipping.<br />";

echo "<br />$msg3";

}

if(isset($\_POST['chkCologne']) && $\_POST['chkCologne'] == '0')

{

 $extras += 0;

$msg4 = "Customer has requested free cologne.<br />";

echo "$msg4 <br />";

}

//manage pensioner checkbox

$discount = 0;

if(isset($\_POST['chkPensioner']) && $\_POST['chkPensioner'] == 'Yes')

{

 $discount = .10;

 $msg5 = "You have selected the pension discount.";

 echo "$msg5<br />";

}

//manage payment method

$payment = $\_POST['payment'];

if(isset($\_POST['payment']) )

{

 $msg6 = "You have chosen to pay with $payment";

 echo "$msg6<br />";

}

echo "Extras come to \$$extras<br />";

$basiccharges = ($numDogs \* $dogcharge) + $extras;

$finalcharges = $basiccharges - ($basiccharges \* $discount);

$finalcharges = number\_format($finalcharges,2);

echo " Please pay us \$$finalcharges.". "<br />";

page\_footer('DapperDogs');

?>

**library.inc**

<?php

/\*

 file:library.inc

 contains page\_header and page\_footer functions.

\*/

function page\_header ($title)

{

 echo "<html> \n";

 echo "<head> \n";

 echo " <title> $title </title>\n";

 echo " <link rel=\"stylesheet\" href=\"teal.css\" type=\"text/css\">";

 echo " </head>";

 echo "<body> \n";

}

function page\_footer ($yourname)

{

 echo "<footer>";

 echo "<a href=\"dog.html\">Select again</a>";

 echo "<hr />";

 echo "&copy; $yourname 2013 <a href=\"mailto:$yourname@gmail.com\">Contact Webmaster</a>";

 echo "<hr />";

 echo "</footer>";

 echo "</body> \n </html>\n";

}

?>

**teal.css**

/\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

file: teal.css

most of this code comes from: http://webdesign.tutsplus.com/tutorials/site-elements/bring-your-forms-up-to-date-with-css3-and-html5-validation/

EEF7F8

colors in cadetblue and teal shades

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*/

/\* === defaults === \*/

\*

{

 margin:0;

 padding: 0;

}

/\* === Remove input autofocus webkit === \*/

\*:focus {outline: none;}

/\* === Form Typography === \*/

body

{

 font: 16px Georgia;

 background: #BED0DB; /\* bgcolor very pale cadet blue \*/

 }

header

{

 display: block;

 width: 400px;

 padding-left:150px ;

 color: #003366; /\* dark cadet blue \*/

 margin-top: 20px;

 text-align: center;

 //border: thin green dotted;

}

hgroup

{

display: block;

width: 300px;

 text-align: center;

 //border: thin red dotted;

padding-left: 50px;

}

.contact\_form h2, .contact\_form label {font-family:Georgia, "Palatino Linotype", serif;}

.form\_hint, .required\_notification

{font-size: 12px;

}

/\* === List Styles === \*/

.contact\_form ul {

 width:750px;

 list-style-type:none;

 list-style-position:outside;

 margin:0px;

 padding:0px;

}

.contact\_form li{

 padding:12px;

 border-bottom:1px solid #eee; /\* light grey \*/

 position:relative;

}

.contact\_form li:first-child, .contact\_form li:last-child {

 border-bottom:1px solid #777; /\* dark grey \*/

}

/\* === Form Header === \*/

.contact\_form h2 {

 margin:0;

 display: inline;

}

.required\_notification {

 color:#d45252; /\* Indian red \*/

 margin:5px 0 0 0;

 display:inline;

 float:right;

}

/\* === Form Elements === \*/

.contact\_form label {

 width:250px;/\* was 150px \*/

 margin-top: 3px;

 display:inline-block;

 float:left;

 padding:3px;

}

.contact\_form input {

 height:20px;

 width:220px; /\* box gets wider when clicked for data input \*/

 padding:5px 8px;

}

.contact\_form textarea {padding:8px; width:300px;}

.contact\_form button {margin-left:156px;}

 /\* form element visual styles \*/

 .contact\_form input, .contact\_form textarea {

 border:1px solid #aaa; /\* light grey \*/

 box-shadow: 0px 0px 3px #ccc, 0 10px 15px #eee inset;

 border-radius:2px;

 padding-right:30px;

 -moz-transition: padding .25s;

 -webkit-transition: padding .25s;

 -o-transition: padding .25s;

 transition: padding .25s;

 }

 .contact\_form input:focus, .contact\_form textarea:focus {

 background: #fff; /\* white \*/

 border:1px solid #555; /\* solid gray \*/

 box-shadow: 0 0 3px #aaa; /\* light gray \*/

 padding-right:70px;

 }

/\* === links === \*/

a

{

 text-decoration: none;

}

a:link

{

 text-decoration: none;

 color: #599CAF; /\* cadet blue shade \*/

 padding: 20px;

 text-align: center;

}

a:visited

{

 text-decoration: none;

 color: #599CAF; /\* cadet blue shade \*/

 padding: 20px;

 text-align: center;

}

a:hover

{

 text-decoration: none;

 font-weight: bold;

 cursor: pointer;

 color: #000;

}

/\* ===footer styles and footer links === \*/

footer

{

 display: block;

 width: 750px;

}

footer a

{

 display: block;

 text-decoration: none;

 color: #003366; /\* dark cadet blue \*/

 padding: 20px;

 text-align: center;

 font-size: 18px;

}

footer a:link

{

 text-decoration: none;

 font-weight: bold;

 cursor: pointer;

 color: 003366; /\* dark cadet blue \*/

}

footer a:hover

{

 text-decoration: none;

 font-weight: bold;

 opacity: 0.90;

 cursor: pointer;

 color: #000;

}

/\* === HTML5 validation styles === \*/

.contact\_form input:required, .contact\_form textarea:required {

 background: #fff url(images/red\_asterisk.png) no-repeat 98% center;

}

.contact\_form input:required:valid, .contact\_form textarea:required:valid {

 background: #fff url(images/valid.png) no-repeat 98% center;

 box-shadow: 0 0 5px #68AEBB; /\* pale cadet blue \*/

 border-color: #3C7997; /\* cadet blue shade \*/

}

.contact\_form input:focus:invalid, .contact\_form textarea:focus:invalid {

 background: #fff url(images/invalid.png) no-repeat 98% center;

 box-shadow: 0 0 5px #d45252; /\*pale brick red \*/

 border-color: #003366; /\* dark cadet blue \*/

}

fieldset

{

 display: block;

 width: 200px;

 font: 14px Georgia;

 //border: thin red dotted;

}

legend

{

 font: 14px Georgia;

 //border: thin red solid;

 //color: red;

}

/\* === radio button styles === \*/

.regular-radio {

 display: none;

 float: left;

 font: 14px Georgia;

}

.regular-radio + label {

 -webkit-appearance: none;

 background-color: #fafafa;

 border: 1px solid #cacece;

 box-shadow: 0 1px 2px rgba(0,0,0,0.05), inset 0px -15px 10px -12px rgba(0,0,0,0.05);

 padding: 9px;

 /\*border-radius: 50px;\*/

 display: inline-block;

 position: relative;

}

.regular-radio:checked + label:after {

 content: ' ';

 width: 12px;

 height: 12px;

 border-radius: 50px;

 position: absolute;

 top: 3px;

 background: #99a1a7;

 box-shadow: inset 0px 0px 10px rgba(0,0,0,0.3);

 text-shadow: 0px;

 left: 3px;

 font-size: 32px;

}

.regular-radio:checked + label {

 background-color: #e9ecee;

 color: #99a1a7;

 border: 1px solid #adb8c0;

 box-shadow: 0 1px 2px rgba(0,0,0,0.05), inset 0px -15px 10px -12px rgba(0,0,0,0.05), inset 15px 10px -12px rgba(255,255,255,0.1), inset 0px 0px 10px rgba(0,0,0,0.1);

}

.regular-radio + label:active, .regular-radio:checked + label:active {

 box-shadow: 0 1px 2px rgba(0,0,0,0.05), inset 0px 1px 3px rgba(0,0,0,0.1);

}

/\* === checkbox styles === \*/

.checkbox label

{

 display: block;

 padding-left: 15px;

 text-indent: -15px;

}

.checkbox input

{

 width: 13px;

 height: 13px;

 padding: 0;

 margin:0 2px;/\*5px spacing between box and label \*/

 vertical-align: bottom;

 position: relative;

 top: -1px;

 \*overflow: hidden;

}

.checkbox fieldset

{

 display: block;

 width: 300px;

 position: relative;

 //border: thin red solid;

}

.checkbox legend

{

}

/\* === Form hints === \*/

.form\_hint {

 background: #d45252; /\*pale brick red \*/

 border-radius: 3px 3px 3px 3px;

 color: white;

 margin-left:8px;

 padding: 1px 6px;

 z-index: 999; /\* hints stay above all other elements \*/

 position: absolute; /\* allows proper formatting if hint is two lines \*/

 display: none;

}

.form\_hint::before {

 content: "\25C0"; /\* no clue \*/

 color:#d45252; /\*pale brick red \*/

 position: absolute;

 top:1px;

 left:-6px;

}

.contact\_form input:focus + .form\_hint {display: inline;}

.contact\_form input:required:valid + .form\_hint {background: #28921f;} /\* green \*/

.contact\_form input:required:valid + .form\_hint::before {color:#28921f;}

/\* === Button Style === \*/

button.submit {

 background-color: #77BFC7; /\* light cadet blue \*/

 background: -webkit-gradient(linear, left top, left bottom, from(#003366), to(#77BFC7));

 background: -webkit-linear-gradient(top, #003366, #77BFC7);

 background: -moz-linear-gradient(top, #003366, #77BFC7);

 background: -ms-linear-gradient(top, #003366, #77BFC7);

 background: -o-linear-gradient(top, #003366, #77BFC7);

 background: linear-gradient(top, #003366, #77BFC7); /\* light cadet blue \*/

 border: 1px solid #509111;

 border-bottom: 1px solid #5b992b;

 border-radius: 3px;

 -webkit-border-radius: 3px;

 -moz-border-radius: 3px;

 -ms-border-radius: 3px;

 -o-border-radius: 3px;

 box-shadow: inset 0 1px 0 0 #77BFC7; /\* pale cadet blue \*/

 -webkit-box-shadow: 0 1px 0 0 #77BFC7 inset ;

 -moz-box-shadow: 0 1px 0 0 #77BFC7 inset;

 -ms-box-shadow: 0 1px 0 0 #77BFC7 inset;

 -o-box-shadow: 0 1px 0 0 #77BFC7 inset;

 color: white;

 font-weight: bold;

 padding: 6px 20px;

 text-align: center;

 text-shadow: 0 -1px 0 #396715;

}

button.submit:hover {

 opacity:.85;

 cursor: pointer;

}

button.submit:active {

 border: 1px solid #003366;

 box-shadow: 0 0 10px 5px #68AEBB inset;

 -webkit-box-shadow:0 0 10px 5px #68AEBB inset ;

 -moz-box-shadow: 0 0 10px 5px #68AEBB inset;

 -ms-box-shadow: 0 0 10px 5px #68AEBB inset;

 -o-box-shadow: 0 0 10px 5px #68AEBB inset;

 /\* shades of cadet blue \*/

}