

CSC443: LAB 4-PHP II

BUILT-IN FUNCTIONS, SIMPLE FORM HANDLING, AND INCLUDING FILES

1. Creating HTML form

- Create a new HTML document using a text editor.
- Insert the following form tag:
`<form action = "handle_form.php" method="post" >`
- Create the HTML form

```
<html>
  <head>
    <title>Personal Info</title>
  </head>
  <body>
    <form action="handle_form.php" method="post">
      <p><b>Name</b><input type="text" size="12" maxlength="12" name="name" /></p>
      <p><b>Email Address:</b><input type="text" size="12" maxlength="36" name="email"/></p>
      <p><b>Gender</b><input type="radio" name="gender" value="M" /> Male
         <input type="radio" name="gender" value="F" /> Female</p>
      <p><b>Age:</b>
         <select name="age">
           <option value="0-30">Under 30</option>
           <option value="30-60">Between 30 and 60</option>
           <option value="60+>">Over 60</option>
         </select>
      </p>
      <p><b>Comments:</b><textarea name="comments" rows="3" cols="50"></textarea></p>
      <div align="center">
        <input type="submit" name="submit" value="Submit Information" />
      </div>
    </form>
  </body>
</html>
```

- Save the file as **personal.html**, in the root directory and run it on browser.

2. Handling an HTML Form

- Create a new PHP document. Add the PHP tags and print out the received values of name, email and comments of the HTML form elements.

```
<html>
  <head>
    <title>Form Feedback</title>
  </head>
  <body>
    <?php #Script handle form

      echo "<p> Thank you, <b>".$_POST["name"]."
      "</b> for the following comments: <br/>".
      $_POST["comments"]."<p>We will reply to you at <i>".
      $_POST["email"]." </i></p>";

    ?>
  </body>
</html>
```

- Save the file as **handle_form.php**, in the root directory and run it on browser.

3. Validating Form Data

- a) Open **handle_form.php** file. Delete the **echo** statement and add the following script, to check if the name was entered.

```
if (strlen($_POST["name"]) >0){  
    $_POST["name"] = $_POST["name"];  
}  
else{  
    $_POST["name"] = null;  
  
    echo '<p><b> You Forgot to Enter Your Name! </b></p>';  
}
```

- b) Repeat the same process for comments and email address

```
if (strlen($_POST["comments"]) >0){  
    $_POST["comments"] = $_POST["comments"];  
}  
else{  
    $_POST["comments"] = null;  
  
    echo '<p><b> You Forgot to Enter Your Comments! </b></p>';  
}  
if(! (strlen($_POST["email"]) >0)){  
    $_POST["email"] = null;  
    echo '<p><b> You Forgot to Enter Your Emails! </b></p>';  
}
```

- c) Check the status of gender

```
if(isset($_POST["gender"])){  
    if($_POST["gender"] == 'M'){  
        $message = '<b><p>Good Day, Sir </b></p>';  
    }  
    if ($_POST["gender"] == 'F'){  
        $message = '<b><p>Good Day, Madam </b></p>';  
    }  
}else{  
    $_POST["gender"] = null;  
    echo '<p><b> You Forgot to Choose Your Gender! </b></p>';  
}
```

- d) Print the messages if all of the tests have been passed

```
if ($_POST["name"] && $_POST["comments"] && $_POST["email"] && $_POST["gender"]){  
    echo "Thank you, " . $_POST["name"]. " for the following comments: <br /> <tt>" .  
    $_POST["comments"]. " </tt> <p> We will reply to you at <i>" . $_POST["email"].  
    "</i></p>";  
    echo $message;  
}
```

- e) Save the file and test it on browser. Fill out the form to different levels of completeness to test the script.

4. Sending Values Manually to a Script

- a) Create a new HTML document that contains the following form

```
<form action="handle_calculator.php?source=calculator.html" method="post">
<select name="quantity">
<option value="">Select a quantity</option>
<option value = "1">1</option>
<option value = "2">2</option>
<option value = "3">3</option>
<option value = "4">4</option>
<option value = "5">5</option>
<option value = "6">6</option>
</select>
<div align="left"><input type = "submit" name="submit" value="Total!">
</div>
<input type="hidden" name="price" value="19.95" />
<input type="hidden" name="taxrate" value=".05" />
```

- b) Save the file as **calculator.html**, in the root directory and run it on browser.

5. Handling Calculator Form

- a) Create a new PHP document as follows.

```
<html>
<head>
<title>Cost Calculator</title>
</head>
<body>
<?php #script handle calculator

?>
</body>
</html>
```

- b) Add the following script to check that if the **\$source** variable is correct, validate the value of **\$quantity** and perform calculations:

```
//write a php statement to get $source data from url

if (isset($source)){
    if ($source == 'calculator.html'){
        //write a php statement to get quantity,price,taxrate data from the form

        if ((is_numeric($quantity))){
            $total = ($quantity * $price) * ($taxrate +1);
            $total = number_format($total,2);
            echo "You are purchasing <b>" . $_POST["quantity"] .
                "</b> widgets at a cost of <b> ". $_POST["price"] .
                "</b> each. With tax the total comes to <b>" .
                $total . "</b>.\n";
        }else{
            echo "<p><b>Please enter a valid quantity to purchase!</b></p>";
        }
    }else{
        echo "<p><b>You have accessed this page inappropriately!</b></p>";
    }
}else{
    echo "<p><b>2 You have accessed this page inappropriately!</b></p>";
}
```

- c) Save the file as **handle_calculator.php**, in the root directory and run it on browser.

6. Including Files

- a) Create a new document in a text editor and type the following code:

```
<html>
<head>
    <title>Contents of Header.inc are here... </title>
</head>

<body>
<h1> This is a common header line </h1>
<h2> to be used accross all my Web pages </h2>
```

- b) Save the file as **header.inc** in the root directory, and close the file.
c) Open the text editor. Create a new document and enter the following code:

```
<?php include("header.inc"); ?>

<br> <br>
<a href="secondpage.php"> Go to Second Page </a>

</body>
</html>
```

- d) Save the file as **mainpage.php** in the root directory, and close the file.
e) Open new document and enter the following code:

```
<?php include("header.inc"); ?>

<br> <br>
<a href="mainpage.php"> Return to Main Page </a>

</body>
</html>
```

- f) Save the file as **secondpage.php** in the root directory. Then close the file.
g) Start the browser and run **mainpage.php** on the server.
h) Now, run the **secondpage.php** on the browser. Note that the two pages have the same header and changing links.