LESSON H4_EN. SCRIPTS PHP FOR eBUSINESS / eCOMMERCE DEVELOPMENTS WEB SITES. PHP AND MYSQL USING TOGETHER TO BUILD A WEB SITE FOR eBUSINESS/eCOMMERCE.

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After the learning this lesson you will be richer with the following knowledge:
- All PHP code you need to know in order to develop a small eCommerce website

CONTENT OF THE LESSON
1. General knowledge about eCommerce /eBusiness websites
2. Simple eCommerce website application

LEARNING OBJECTIVES:
After learning this lesson you will accomplish the ability :
- To build your own small eCommerce website

1. General knowledge about eCommerce / eBusiness websites

To develop a website you must know how to project it and after this, if you want to be accessed by the users you must publish and promote it.

For publishing you must assign a domain name and find a host server. With all files locally created you need to transfer your web site files to the host server. You can use any FTP (File Transfer Protocol) applications such as WS_FTP, and Total Commander. Moreover, don't forget after transfer to verify, to maintain and to brig them up-to-date.
To achieve effectively a web site you must know to plan, to design and to programming it. To plan your site it must be clear for you what is its scope, what product or service you are going to sell, and so on. For design you must think to content, links, browsing system.

After making up the site plan and the design you must transform all the informations in your websites pages. This means that you must begin with starting programming.

First of all you must be ensured that you have a browser, with which you will view your web pages. Also you will need to have Apache, PHP, MySQL, PhpMyAdmin and HTML-kit installed and running in you computer. If everything is OK, let's start working.

2. Simple eCommerce website application

We'll make a simple estore application that will have the basic features of an eCommerce web site: register, login, logout, shopping, shopping cart (basket), checkout, submit order. The pages that will accomplish these tasks will be: register.php, login.php, logout.php, shop.php, basket.php, checkout.php, submit_order.php. For administration we will have 2 simple admin features such as: adding products and view orders having the pages add_products.php, view_orders.php and view_detailed_order.php. We will need though, some additional pages. These are required by most of the above pages; as well some standard pages that will improve the simplicity and understanding of basic functionality. These additional pages are config.inc.php, function_cart.php, manage.php, menu.php, minibasket.php, session.php, as well index.php and thankyou.php.

All the above pages will be presented below. After having them fully understood we can make files accordingly with their suggested names. Their content will be filled with all the scripts selected and copied between php tags: from <?php to ?> inclusively. All the pages have comments. So, that you will know and understand the purpose of scripts. We will present all pages below. Wish you to enjoy your first estore application that is simply and completely enough at the same time.

All next pages must be saved in the same folder "estore", already created in above LESSON 2, among the file estore_db. sql, at the address: C:\apachefriends\xampp\htdocs**estore.** After that, you can test it thoroughly, through your browser at the next address http://localhost/estore/.

We will use the database estore_db, already created in Lesson 2. As you will need to test some of your scripts, it may happen that, for a single mistake your script wont work. If you cannot find the bug, don't forget that you can download at anytime a full version of your estore, at the next address http://www.magazinvirtual.ro/tutorials/estore.zip .

- index.php

```
<?php            /* this is INDEX page the main page of the site known as home page */
session_start();  /*required to initiate session data i.e if the user is logged in */
if($_SESSION['logged_in']==1) {  /* we wouldn't know if the member is logged but do know
$_SESSION */
die("<p>You are already logged in</p>");  /*message showing that  the member is already
logged in ...*/
}
?>
<html>
<head><title>Simple eStore Lesson - Home Page</title></head>
<body>
<h1>Welcome to our estore !</h1>
<p>If you are a registered user please <a href="login.php">Login here</a></p>   /* the
place where members login ...*/
<p>If you are a new user please <a href="register.php">Register here</a></p>  /* the
place where members register ...*/
</body>
</html>
```

- login.php

```
<?php                          /* this is the LOGIN page where new users authenticate and
enter the site */
session_start();               /*required to initiate session data such as to if the user
is logged in */
include 'config.inc.php';             /* we need to connect to the database */
if(isset($_POST['submit'])) {  /*check  if submit button pressed */
if(!$_POST['username'])        /* check if username field is empty */
die("Error: You must enter your <font color='red'><b>username</b></font> before logging
in.
<a href=\"login.php\">Try again </a>");

if(!$_POST['password'])        /* check if password field is empty */
die("Error: You must enter your <font color='red'><b>password</b></font> before logging
in.
<a href=\"login.php\">Try again</a>");
/* verify if user is recorded in our database and if the password entered is identically
with that from our database... */
$get_user = mysql_query("SELECT * FROM `members` WHERE username =
'".$_POST['username']."' AND password = '".md5($_POST['password'])."'");   /* calculates
the md5 hash of the password and returns the hash which is a 32 character hexadecimal
number */
$result = mysql_fetch_object($get_user);
if(!$result)
die("<font color='red'><b>Login Failure:</b></font> An error occurred, please verify your
username and password are correct. <a href=\"login.php\">Back again</a>");

/* we checked that the user authenticated OK therefore we set session variables required
further */
$_SESSION['logged_in'] = 1;
$_SESSION['username'] = $_POST['username'];
$_SESSION['privilege'] = $result->privilege;
header("Location: shop.php");                /* if user authenticate OK, we redirect him
to shopping page */
} else {
?>

/*login form*/
<form name="login" method="post" action="login.php">
  <table>
    <tr><td>Username:<input type="text" name="username"></td></tr>
    <tr><td>Password:<input type="password" name="password"></td></tr>
```

```
    <tr><td>Submit: <input type="submit" value="Submit" name="submit"
id="submit"></td></tr>
  </table>
</form>
<?php
}/*end else*/
?>
```

- register.php

```
<?php                          /* this is the REGISTER where new users register */
session_start();           /* required to initiate session data i.e if the user is
logged in */
include 'config.inc.php';     /* we need to connect to the database */

/* see if user is already logged in */
if($_SESSION['logged_in'] == 1){
die("<p>You are already logged in</p>");    /* the member is already logged in ... */
} else {
if(isset($_POST['submit'])){

if(!$_POST['username'])              /* begin checking username...*/
die('Alert: username field was blank. <a href="register.php">Try again</a>');

/* check if username already exists...*/
  $select_users = mysql_query("SELECT * FROM `members` WHERE `username` =
'".$_POST['username']."'");
  $result_select_users = mysql_fetch_object($select_users);

if($result_select_users->username == $_POST['username']){
die('<BR><BR>Sorry, but the username "'.$result_select_users->username.'" is taken,
please choose another.
<a href="register.php">Try again</a>');
}
/* password */
if(!$_POST['password']){

        die('Error: Password field was blank. <a href="register.php">Try again</a>');
}
if(!$_POST['verify_password']){
       die('Error: Verify Password field was blank. <a href="register.php">Try
again</a>');
}
if($_POST['password'] != $_POST['verify_password']){
      die('Error: The passwords do not match. <a href="register.php">Try again</a>');
}
if(strlen($_POST['password']) < 6 ){
      die('Error: Your password is too short. In   length. must be 6 or more characters
.. <a href="register.php">Try again</a>');
}

/* add new member */
$insert_member ="INSERT INTO `members` (username, password, email) VALUES
('".$_POST['username']."', '".md5($_POST['password'])."', '".$_POST['email']."')";
/*insert function must be write in a single row*/
$insert = mysql_query($insert_member);
 if(!$insert)
       die(mysql_error());
     print("Registration Successful, Welcome <b> '.$_POST[username].' </b> new member!
Please <a href=\"login.php\"> Login </a> to access eStore website.");         /*print
function must be write in a single row*/
} else {
?>
<table>
<form name="signup" action="<?php register.php ?>" method="POST">
 <tr><td>Username: <BR> (only A-Z, 0-9 and _ Allowed)<BR></td>
     <td><input type="text" name="username" maxlength="30"> <BR></td></tr>
 <tr><td>Password:</td>
     <td><input type="password" name="password" maxlength="30"><BR> (minimum 6
characters)</td></tr>
 <tr><td>Verify Pass:</td>
```

```
     <td><input type="password" name="verify_password" maxlength="30"><BR></td></tr>
 <tr><td>Email:</td>
     <td><input type="text" name="email" size="30"><br></td></tr>
 <tr><td>Click to Complete Signup:</td>
     <td><input type="submit" name="submit" value="submit"></td></tr>
</form>
</table>
<?php
} /* end not logged in */
} /* end submit not pressed */
?>
```

- logout.php

```
<?php                    /* this is the LOGOUT page where users leave the site */
 session_start();              /* guarantees read/write access to the $_SESSION
elements.*/
$_SESSION['logged_in'] = 0;
  session_destroy();                  /* we clear all session variables */
  header("Location: index.php");              /* the user is redirected to the HOME page
*/
?>
```

- shop.php

```
<?php  /* this is the SHOP page where users can see the products and after that they add
products in their  basket */
include 'session.php';
include 'config.inc.php';
include 'menu.php';                   /* here we include an additional page that is
required in all internal pages */
include 'functions_cart.php';         /* we need to call some functions ( example: add
products to the basket) */
?>
<html><head><title>Shopping Area</title></head>
<body bgcolor="#ffffcc">
<h1>Shopping</h1>
<table width="100%" border="1" cellspacing="0" cellpadding="5">
        <tr><td> </td>
    <td><b>Product</b></td>
    <td><b>Price</b></td></tr>
<?php
/* we need to show to the user all products and their prices and we retrieve them from
our database */
$sel_products = mysql_query("SELECT * FROM products ORDER BY id");

while ($item = mysql_fetch_array($sel_products)) {
    print("<tr>");
    print("<td><a href=manage.php?act=add&pid=".$item["id"].">Add to basket</a></td>");
    print("<td>".$item["product"]."</td>");
    print("<td>".$item["price"]."</td>");
    print("</tr>");
}
?>
</table>
</body>
</html>
```

- checkout.php

```
<?php               /* this is the CHECKOUT page where users can see their orders and
after that they can to pay  */
include 'session.php';
include 'config.inc.php';
include "functions_cart.php";
include 'menu.php';
?>

<html><head><title>Order</title></head>
<body bgcolor="#ffccff">
<h1>This is your Order</h1>
<b>Please check it carefully.  Delete or/add items and update products before submitting
the order</b>
```

```
<h2 style="color: #ff3300;">This is your legal agreement between you and our eStore</h2>
Member : <?php echo $_SESSION['username'];  ?><br>
Date   : <?php echo date('Y-m-d'); ?><br>
<body>
<form name="update" method="post" action="manage.php">
<table width="100%"  border="0" cellspacing="0" cellpadding="5">
<tr bgcolor="#EEEEEE">
    <td width="10%"> </td>
    <td width="10%"><strong>Qty</strong></td>
    <td width="60%"><strong>Product</strong></td>
    <td width="10%"><strong>Price</strong></td>
    <td width="10%"><strong>Line Total </strong></td>
</tr>
<?php                          /* follow-on the CHECKOUT page */
/* If no sessions has been started $_SESSION["cart"] equals null, thus showing the
message no items.*/
if (!isset($_SESSION["cart"])) {
    $_SESSION["cart"] = NULL;
}
if ($_SESSION['logged_in']==1 && $_SESSION["cart"] != NULL) {
$total value = 0;
    foreach ($_SESSION["cart"] as $key => $session_data) {

           list($ses_id, $ses_quan) = $session_data;
                  $sel_products = mysql_query("SELECT * FROM products WHERE
id=".$ses_id."");
                  $item = mysql_fetch_array($sel_products);

                  $totalvalue = $totalvalue + ($item["price"]*$ses_quan);
                  $subtotal = ($item["price"]*$ses_quan);
?>
<tr>
<td><a href="<?php echo "manage.php?act=del&pid=".$ses_id; ?>">Delete</a></td>
<td><input name="newquan[ ]" type="text" id="newquan[ ]3" value="<?php echo $ses_quan;
?>" size="5" maxlength="4">
<input name="eid[ ]" type="hidden" id="eid[ ]" value="<?php echo $ses_id; ?>"></td>
<td><?php print($item["product"]); ?></td>
<td><?php print($cur_symbol."".$item["price"]); ?></td>
<td><?php print($cur_symbol."".$subtotal); ?></td>
</tr>
<?php
} /* end foreach loop*/

} elseif ($_SESSION["cart"] == NULL) {
    echo "<td colspan=\"5\"><center><p>Your basket is currently
empty.</p></center></td>";
} else {
    echo "<td colspan=\"5\"><center><p>Unknown Error.</p></center></td>";
}
?>

<tr>
<td> </td>
<td><?php if ($_SESSION["cart"] != NULL) { echo "<input name=\"UpdateChg\"
type=\"submit\" id=\"UpdateChg\" value=\"Update\">"; } ?></td>
<td><a href="shop.php">Continue Shopping</a></td>
<td><strong>Cart Total</strong></td>
<td><?php print($cur_symbol."".$totalvalue); ?></td>
</tr>
</table>
</form>
<form action="submit_order.php" method="POST" name="submit_order">
    <p><b>Comments</b> : <input type="text" name="comment" size="100"></p>
    <p><input type="submit" name="submit order" value="Submit Order"></p>
</form>
</body>
</html>
```

- config.inc.php

```
<?php                          /*this is CONNECT DATABASE page */
```

```
$dbserver = 'localhost';                    /*host server name */
$dbuser = 'root';                       /*username */
$dbname = 'estore_db';                  /*databasename */
$dbpass = '';                           /*password */
$connect = mysql_connect($dbserver, $dbuser, $dbpass);
$select= mysql_select_db($dbname,$connect);

/* This is Dollar symbol and is used in all pages in which we have this symbol */
$cur_symbol = "$";
?>
```

- submit_order.php

```
<?php            /*this is SUBMIT ORDER  page where the clients are invited to buy some
products from shopping page */
include 'session.php';
include 'functions_cart.php';
include 'config.inc.php';
include 'menu.php';

$username = $_SESSION['username'];
$date = date('Y-m-d');
$comment = $_POST['comment'];;
/*If no sessions has been started $_SESSION["cart"] equals null, thus showing the message
no items.*/
if (!isset($_SESSION["cart"])) {
    $_SESSION["cart"] = NULL;
}
if ($_SESSION['logged_in']==1 && $_SESSION["cart"] != NULL) {
$insert_orders = mysql_query("INSERT INTO `orders` ( `o_id` , `date` , `username` ,
`comments` ) VALUES ( NULL , '$date', '$username', '$comment' )");
$last_o_id = mysql_insert_id();
    foreach ($_SESSION["cart"] as $key => $session_data) {
           list($ses_id, $ses_quan) = $session_data;
                $sel_products = mysql_query("SELECT * FROM products WHERE
id=".$ses_id."");
                $item = mysql_fetch_array($sel_products);
                $product = $item["product"];
                $price = $item["price"];
                $insert_orders_details = mysql_query("INSERT INTO `orders_items` (
`o_id` , `product` , `qty` , `price` ) VALUES ( '$last_o_id', '$product', '$ses_quan',
'$price' )");

} /* end foreach loop */
header("Location: thankyou.php");
} elseif ($_SESSION["cart"] == NULL) {
    print("<td><p>Your basket is currently empty.</p><p>Please go to the <a
href=\"shop.php\"> shopping page </a> and add some products to your basket</td>");
} else {
    print("<td colspan=\"5\"><center><p>Unknown Error.</p></center></td>");
}
?>
```

- menu.php

```
          <!-- this is MENU page and you got here the top menu of the site -->

<div><div><a href="index.php">Home Page </a> | <a href="shop.php">Shop </a> | <a
href="basket.php">Basket </a> | <a href="checkout.php"> Checkout </a> | <a
href="logout.php"> ... Log Out</a></div>
<div><?php include "minibasket.php"; ?></div><div align="right">

<?php
/* checking the privilege, if is 1 will be print Administrator Area if is not 1 will be
not print. */

if($_SESSION['privilege'] == 1) {
    print("<i>Administrator Area : </i> | <a href=\"add_products.php\">Add Products </a>
| <a href=\"view_orders.php\">View Orders </a>");
}
?>
</div>
```

```
<div>You are logged in as: <b><?php print($_SESSION['username']); ?></b>... </div>
</div>
```

- basket.php

```
/* this is the SHOPPING CART page where users can check and view products added from the
shopping page */
<?php
include 'session.php';
include 'config.inc.php';
include 'menu.php';                        /* here we include an additional page that is
required in all internal pages */
include "functions_cart.php";      /* we need to call some functions ( example: update
products ) */
?>

<html><head><title>Basket</title></head>
<body bgcolor="#ccffcc">
<h1>Basket</h2>
<form name="update" method="post" action="manage.php">
<table width="100%"  border="0" cellspacing="0" cellpadding="5">
<tr bgcolor="#EEEEEE">
    <td width="10%"> </td>
    <td width="10%"><b>Qty</b></td>
    <td width="60%"><b>Product</b></td>
    <td width="10%"><b>Price</b></td>
    <td width="10%"><b>Line Total </b></td></tr>
<?php

/* If no sessions has been started $_SESSION["cart"] equals null, thus showing the
message no items. */
if (!isset($_SESSION["cart"])) {
    $_SESSION["cart"] = NULL;
}
if ($_SESSION['logged_in']==1 && $_SESSION["cart"] != NULL) {
    $totalvalue = 0;
    foreach ($_SESSION["cart"] as $key => $session_data) {
           list($ses_id, $ses_quan) = $session_data;
                  $sel_products = mysql_query("SELECT * FROM products WHERE
id=".$ses_id."");
                  $item = mysql_fetch_array($sel_products);

                  $totalvalue = $totalvalue + ($item["price"]*$ses_quan);
                  $subtotal = ($item["price"]*$ses_quan);
?>
<tr>
    <td><a href="<?php print("manage.php?act=del&pid=".$ses_id); ?>">Delete</a></td>
    <td><input name="newquan[ ]" type="text" id="newquan[ ]3" value="<?php
print($ses_quan); ?>" size="5" maxlength="4">
    <input name="eid[ ]" type="hidden" id="eid[ ]" value="<?php print($ses_id); ?>"></td>
    <td><?php print($item["product"]); ?></td>
    <td><?php print($cur_symbol."".$item["price"]); ?></td>
    <td><?php print($cur_symbol."".$subtotal); ?></td>
</tr>
<?php
} /*end foreach loop*/

} elseif ($_SESSION["cart"] == NULL) {
print("<td colspan=\"5\"><center><p>Your basket is currently empty.</p></center></td>");
} else {
print("<td colspan=\"5\"><center><p>Unknown Error.</p></center></td>");
}
?>
<tr><td> </td>
       <td><?php if ($_SESSION["cart"] != NULL) { print("<input name=\"UpdateChg\"
type=\"submit\" id=\"UpdateChg\" value=\"Update\">"); } ?></td>
        <td><a href="shop.php">Continue Shopping</a></td>
        <td><b>Cart Total</b></td>
        <td><?php print($cur_symbol."".$totalvalue); ?></td>
</tr>
</table>
</form>
```

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

- function_cart.php

```
<?php                          /*this is FUNCTIONS CART page*/
session_start();
include 'config.inc.php';

function add_item_to_cart($id,$quantity) {         /* add item to cart*/
    global $_SERVER;
    global $_SESSION;
          /* get product id from database */
    $sel_products = mysql_query("SELECT * FROM products WHERE id=".$id."");
    $item = mysql_fetch_array($sel_products);
          /* returns the number of rows in a result, if 1 item exists if 0 item doesn't
exists.*/
    $num_rows = mysql_num_rows($sel_products);
if ($num_rows >= 1) {                            /* if item exists then add item to cart
*/
$_SESSION["cart"][$id][0] = $item["id"];         /* session_regenerate_id(TRUE); */
$_SESSION["cart"][$id][1] = $quantity;

header ("location:".$_SERVER['HTTP_REFERER']);
          }
}
function del_item($id) {             /* delete item from cart */
    global $_SERVER;
    global $_SESSION;
$sel_products = mysql_query("SELECT * FROM products WHERE id=".$id."");      /* get
product id from database */
$item = mysql_fetch_array($sel_products);
                 /* remove item from cart */
                 /* session_regenerate_id(); */
unset($_SESSION["cart"][$item["id"]]);

header ("location:".$_SERVER['HTTP_REFERER']);
}
?>
```

- minibasket.php

```
<!-- this is MINIBASKET page in which the users can see how many items they have in their
basket -->

<html><head><title>Minibasket</title></head>
<body>
<table width="100%"  border="0" cellpadding="5" cellspacing="0" class="minibasket">
  <tr bgcolor="#DDDDDD">
    <td><b>Shopping Basket</b></td>
     <td>
    <?php
    /* if no sessions has been started $_SESSION["cart"] equals null, thus showing the
message no items.*/
    if (!isset($_SESSION["cart"])) {
       $_SESSION["cart"] = NULL;
    }
    $itemcount = count($_SESSION["cart"]);
    print("You have <b>".$itemcount."</b> item(s) in your basket.");

?>
     </td>
    <td align="right"><a href="checkout.php">View Cart / Checkout</a></td>
  </tr>
</table>
</body>
</html>
```

- manage.php

```
<?php                          /*this is MANAGE page*/
include 'session.php';
include "functions_cart.php";
```

```
/* update basket quantity */
if (isset($_POST["UpdateChg"])) {
          $i = 0;
          $size = count($_POST["eid"]);
    for ($i = 0; $i <= $size-1; $i++) {
                /* call remove bad characters function */
                $badsymbols = array(" ","-","+","*","/",".");
                $_POST["newquan"][$i] = str_replace($badsymbols,"",
$_POST["newquan"][$i]);
          if (is_numeric($_POST["newquan"][$i])) {

                /* if any quantity's equal 0 then remove from cart*/
          if ($_POST["newquan"][$i] == 0) {
          unset($_SESSION["cart"][$_POST["eid"][$i]]);
}
/* update quantity in cart.*/
    if (array_key_exists($_POST["eid"][$i], $_SESSION["cart"])) {
                add_item_to_cart($_POST["eid"][$i], $_POST["newquan"][$i]);

}
}   /* end if numeric */
}
header ("location:".$_SERVER['HTTP_REFERER']);
} /* end basket quantity */
    /* text links */
if (isset($_GET["act"])) {

    /* add item! */
if ($_GET["act"] == "add") {
    /* unserialize($_SESSION["cart"]); */
if (!isset($_SESSION["cart"])) {
    /* add first item */
    add_item_to_cart($_GET["pid"],1);
} else if (array_key_exists($_GET["pid"], $_SESSION["cart"])) {
    /* add 1 to quantity if item in cart already */
    add_item_to_cart($_GET["pid"],++$_SESSION["cart"][$_GET["pid"]][1]);
} else {
/* add any other items after first item */
    add_item_to_cart($_GET["pid"],1);
}
}
    /* delete item! */
    if ($_GET["act"] == "del") {
          del_item($_GET["pid"]);
}
} /* end isset */
?>
```

- session.php

```
<?php                          /* this is SESSION page initiate the user status */
session_start( );

if($_SESSION['logged_in'] != 1) {          /*verify if user is logged in */
    die("You are not logged in. <br>If you are an existing member, please <a
href=\"login.php\">login</a>. <br>If you are a new member, than you may consider to <a
href=\"register.php\">register</a> and become a member of our <a
href=\"index.php\">eStore WebSite</a>");
}
?>
```

- thankyou.php

```
<?php                                  /* THANK YOU page */
include 'session.php';
include 'menu.php';
$_SESSION['cart']=array();
unset($_SESSION['cart']);
?>
<html><head><title>Thank you !</title></head>
<body>
```

```
<h1>Thank you ! </h1>
<br>Your order was successfully sent to us. We'll send your goods very soon.
<br>Now, your basket is empty, you can order more products, or you can simply browse our
eStore.
</body>
</html>
```

- add_products.php

```
<?php            /* this is ADD_PRODUCTS page, from  where ADMINISTRATOR add products in
database */
include 'config.inc.php';
include 'session.php';
include 'menu.php';
/* check if administrator is logged */
if($_SESSION['privilege'] == 0) {
die( "Guest" );
} else {
    print("<h1>Add Products</h1>");
}
/* check if Submit was pressed */
 if(isset($_POST['submit'])) {
            /* begin checking product in database... */
/* first we check in database if product field is blank */
if(!$_POST['product']) {
           die('Alert: product field was blank. <a href="add_products.php">Try
again</a>');
}
/* check in database if product already exists in products tables ... */
 $products_select = mysql_query("SELECT * FROM `products` WHERE `product` =
'".$_POST['product']."'");
 $result = mysql_fetch_object($products_select);  /* returns a product with properties
that correspond */
 if($result->product == $_POST['product']) {
           die('<BR><BR>Sorry, but the product "'.$result->product.'" is taken, please
choose another. <a href="add_products.php">Try again</a>');
}
/* check in database if price field is blank */
if(!$_POST['price']) {
       die('Error: price field was blank. <a href="add_products.php">Try again</a>');
}
/* add new product in databse*/
$insert_new_product ="INSERT INTO `products` (product, price) VALUES
('".$_POST['product']."', '".$_POST['price']."')";
$insert = mysql_query($insert_new_product);
    if(!$insert) {
         die(mysql_error());
}
          print("Successfully added product: <b> '.$_POST[product].' </b> . Price : <b>
'.$_POST[price].' </b>. <a href=\"add_products.php\">Add </a> another product");
} else {
?>
<form name="add_product" action="add_products.php" method="POST"><table>
 <tr><td>Product: </td>
     <td><input type="text" id ="product" name="product" value=""
maxlength="30"><BR></td></tr>
 <tr><td>Price:</td>
     <td><input type="text" id="price" name="price" value=""
maxlength="30"><BR></td></tr>
 <tr><td>Click add Product:</td>
     <td><input type="submit" id="submit" name="submit" value="Add Product"></td></tr>

</table></form>
<?php
}
 /* end submit not pressed */
?>
```

- view_orders.php

```
<?php            /* this is VIEW OPRDERS page, where ADMINISTRATOR can view all users
orders */
```

```
include 'config.inc.php';
include 'session.php';
include 'menu.php';
/* we are checking to see if the member accessing this page has admin privileges*/
$username = $_SESSION['username'];
$result = mysql_query("SELECT privilege FROM members WHERE username = '$username'");
$row = mysql_fetch_row($result);
$privilege = $row[0];
if($privilege == 0) {
die( "Guest" );
} else {
    print("<h1>View Orders</h1>");
}
?>
<html><head><title>Orders</title></head>
<body>
<table width="100%" border="1" cellspacing="0" cellpadding="5">
<tr>
<td>Order ID</td>
<td><b>Date</b></td>
<td><b>Customer</b></td>
<td><b>Comments</b></td>
</tr>
<?php
/*check in database in orders table the detailed order*/
$sel_orders = mysql_query("SELECT * FROM `orders` ORDER BY `o_id` ASC ");
while ($item = mysql_fetch_array($sel_orders)) {
    print("<tr>");
    print("<td><a
href=\"view_detailed_order.php?oid=".$item["o_id"]."&customer=".$item["username"]."&date=
".$item["date"]."&comments=".$item["comments"]." \">".$item["o_id"]."</a></td>");
    print("<td>".$item["date"]."</td>");
    print("<td>".$item["username"]."</td>");
    print("<td>".$item["comments"]."</td>");
    print("</tr>");
}
?>
</table>
</body>
</html>
```

- view_detailed_order.php

```
<?php             /* this is VIEW DETAILED ORDER  page, where ADMINISTRATOR can view
detailed users orders*/
include 'config.inc.php';
include 'session.php';
include 'menu.php';
/* we are checking to see if the member accessing this page has admin privileges*/
$username = $_SESSION['username'];
$result = mysql_query("SELECT privilege FROM members WHERE username = '$username'");
$row = mysql_fetch_row($result);
$privilege = $row[0];
if($privilege == 0) {
            die( "Guest" );

} else {
         print("<h1>View Detailed Order No: ".$oid."</h1>");
}
$oid = $_GET['oid'];
?>
<html><head><title>Detailed Order No: <?php $_GET['oid']; ?></title></head>
<body>
<h3>Customer <font color=red><?php print(($_GET['customer'])); ?></font></h3>
<h3>Order Date <font color=red><?php print(($_GET['date'])); ?></font></h3>
<p><b>Customer's comments </b> : <font color=red><?php print($_GET['comments']);
?></font>

                                  <!-- follow-on the VIEW DETAILED ORDER page  -->
<table width="100%" border="1" cellspacing="0" cellpadding="5">
<td><b>Product</b></td>
<td><b>Quantity</b></td>
```

```
<td><b>Price</b></td>
<td><b>Total Value</b></td>
</tr>
<?php
/*check in database in orders_items table the order*/
$sel_orders_items = mysql_query("SELECT * FROM `orders_items` WHERE  o_id = '$oid' ");
$totalvalue = 0;
while ($item = mysql_fetch_array($sel_orders_items)) {
    print("<tr>");
    print("<td>".$item["product"]."</td>");
    print("<td>".$item["qty"]."</td>");
    print("<td>".$item["price"]."</td>");
    print("<td>".$item["price"]*$item["qty"]."</td>");
    print("</tr>");
$totalvalue = $totalvalue + ($item["price"]*$item["qty"]);
}
?>
<tr><td></td></tr>
</table>
<h3>Total Price <font color=red><?php print(($totalvalue)); ?></font></h3>
</body>
</html>
```

Now, after you saved all above pages under "estore" go in browser to the address http://localhost/estore/.
You can say that you have your own simple estore web site. Go on with registration.
(Note: after register, to login as administrator of this estore, you must give to you this privilege. For this go to http://localhost/phpmyadmin/, select your database and click "Browse" sign in members table. Then click "Edit" sign, from the same row where is your username. In the next screen modify the field privilege to ***1,*** *all other user having privilege* ***0****)*
Good luck!

Key Point Summary Conclusions and Recommendations

Your eStore script has almost all features of a complex eCommerce website. After succesfully created the database and all php files you are adviced to login as admin or any other name you used and set the privilege to 1, and to add some products of your choice. Then, register some regular users and add products, delete or modify products from the list of products already created by the admin. Watch close on the status bar from top (minibasket) how the number of products and total price change as you add or delete product to your basket. Go further and order your products online. At the end, login again as admin and, check the overall orders or / and detailed orders of the members of your site. In a real eCommerce website, it is the moment to honor the orders of your customers and start your profitable business.

Study Guide

ESSENTIAL QUESTIONS FOR THE VERIFICATION OF THE ACCOMPLISHED KNOWLEDGE

1. What are your php files for creating the eCommerce website eStore ?
2. Explain the functionality of each php file we created.

BIBLIOGRAPHY. REFERENCES.

[1.]Larry Ulman, *PHP for the World Wide Web* Peachpit Press, April 2001 (Publisher) ISBN 0-201--72787-0
[2.] Rasmus Lerdorf, *PHP Pocket Reference*, O'Reilly & Associates, Jan 2000, (Publisher)ISBN 1-56592-769-9
[3.] Luke Welling, Laura Thomson, *MySQL Tutorial*, MySQL Press, November 2003 (publisher), ISBN: 0-672-32584-5
[4.] Paul DuBois, *MySQL*, Third EditionSams Developer's Library, March, 2005ISBN: 0-672-32673-6

SUPPLEMENTARY IMPORTANT BIBLIOGRAPHY. REFERENCES.

[SUP.1] http://yourhtmlsource.com/stylesheets/ here you can learn CSS
[SUP.2] http://www.w3schools.com/css/default.asp here you can learn CSS
[SUP.3] http://www.php.net/download-docs.php - from here you can download PHP manual
[SUP.4] http://dev.mysql.com/doc/ - from here you can download MySQL manual

SUPPLEMENTARY INDICATIONS ABOUT THE CONTENT OF THE LESSON

http://www.magazinvirtual.ro/tutorials/estore/ This is the online version of your estore as it is presented in this lesson.

ANSWERS TO THE QUESTIONS

1. Your pages for creating the eStore eCommerce website are :
   - index.php
   - register.php
   - login.php
   - logout.php
   - shop.php

- basket.php
- checkout.php
- submit_order.php
- add_products.php
- view_orders.php
- view_detailed_order.php
- config.inc.php
- function_cart.php
- manage.php
- menu.php
- minibasket.php
- session.php
- thankyou.php

2. The functionality of each php file we created in our lesson is presented

index.php * this is the homepage of our eStore website. This is the first page a user arrive on our site
register.php * this page is required to provide a form for registering new users
login.php * for registered users they need to authenticate. Only authenticate users can access the site
logout.php * this is required when users leave the site
shop.php * this is the page where are listed products for authenticated users in order to buy them
basket.php * this is a file where are kept all products of a user when they those them form shop page
checkout.php * this is a page where users have a last sight of the products to buy before ordering
submit_order.php * this is required to launch the order
add_products.php * this page is for admin only and here he can add or delete products
view_orders.php * this page is for admin only and here he can see what were the submitted orders
view_detailed_order.php * this page is for admin and here he can see each item of a certain order
config.inc.php * this file is used to connect php to MySQL
function_cart.php * this file contains the required functions of a cart: add a item or delete a item from cart
manage.php * this file helps to see the update information of the basket (cart)
menu.php * because every page of the site requires a menu section, this file was written separately and then included with include php function in every page. This way, a change in the menu (one file) changes the menu of all other pages in an efficient programming way.
minibasket.php * this file is included in the menu.php and keep track of the items and price of the basket
session.php * this file is required in many pages and is used for starting sessions and checking for registered sessions
thankyou.php * every time a user launch an order it is recommendable to have a nice message for him

WORDS TO THE LEARNER:
(When) I see I forget. (When) I hear I remember. (When) I do I understand