**Exercise 02\_10\_01 – Step 1**

XAMPP Console

# mysql -h localhost -u root -p

------------------------------------

MySQL Monitor

> CREATE DATABASE onlinestores;

> USE onlinestores;

> SHOW DATABASES;

------------------------------------

MySQL Monitor

> > CREATE TABLE storeinfo   
 -> (storeID VARCHAR(10) PRIMARY KEY,

-> name VARCHAR(50), description VARCHAR(200),

-> welcome TEXT, cssFile VARCHAR(250),   
 -> email VARCHAR(100));

------------------------------------

MySQL Monitor

> DESCRIBE storeinfo;

------------------------------------

MySQL Monitor

> LOAD DATA INFILE ‘StoreInfo.txt’

INTO TABLE storeinfo;

------------------------------------

MySQL Monitor

> CREATE TABLE inventory   
 -> (storeID VARCHAR(10),

-> productID VARCHAR(10) PRIMARY KEY,

-> name VARCHAR(100), description VARCHAR(200),

-> price FLOAT);

------------------------------------

MySQL Monitor

> DESCRIBE inventory;

------------------------------------

MySQL Monitor

> LOAD DATA INFILE ‘Inventory.txt’

INTO TABLE inventory;

**Exercise 02\_10\_01 – Step 2**

GourmetCoffee.php

<!doctype html>

<html>

<head>

<title>Gourmet Coffee</title>

<meta charset="UTF-8">

<meta name="viewport" content="initial-scale=1.0">

<script src="modernizr.custom.65897.js"></script>

</head>

<body>

</body>

</html>

------------------------------------

GourmetCoffee.php

<body>

<h1>Gourmet Coffee</h1>

<h2>Description goes here</h2>

<p>Welcome message goes here</p>

<p>Inventory goes here</p>

</body>

**Exercise 02\_10\_01 – Step 3**

inc\_OnlineStoresDB.php

<?php

$errorMsgs = array();

$hostname = "localhost";

$username = "root";

$passwd = "";

$DBName = "onlinestores";

$DBConnect = new mysqli($hostname, $username, $passwd, $DBName);

?>

------------------------------------

inc\_OnlineStoresDB.php

if ($DBConnect->connect\_error) {

$errorMsgs[] = "Unable to connect to the database server." .

" Error code " . $DBConnect->connect\_errno .

": " . $DBConnect->connect\_error ;

}

------------------------------------

GourmetCoffee.php

<?php

require\_once("inc\_OnlineStoreDB.php");

?>

<!doctype html>

------------------------------------

GourmetCoffee.php

<?php

if (count($errorMsgs)) {

foreach ($errorMsgs as $msg) {

echo "<p>" . $msg . "</p>\n";

}

}

</body>

GourmetCoffee.php

</html>

<?php

if (!$DBConnect->connect\_error) {

echo "<p>Closing database <em>$DBName</em>.</p>\n";

$DBConnect->close();

}

------------------------------------

inc\_OnlineStoresDB.php

$DBConnect = @new mysqli($hostname, $username, $passwd,   
 $DBName);

**Exercise 02\_10\_01 – Step 4**

GourmetCoffee.php

~~<p>Inventory goes here</p>~~

------------------------------------

GourmetCoffee.php

<?php

$TableName = "inventory";

if (count($errorMsgs) == 0) {

$SQLstring = "SELECT \* FROM $TableName" .

" WHERE storeID='COFFEE'";

$QueryResult = $DBConnect->query($SQLstring);

}

------------------------------------

GourmetCoffee.php

$QueryResult = $DBConnect->query($SQLstring);

if (!$QueryResult) {

$errorMsgs[] = "<p>Unable to perform the query.<br>"  
 . "Error code " . $DBConnect->errno . ": " .

$DBConnect->error . "</p>\n";

}

------------------------------------

GourmetCoffee.php

else {

echo "<table width='100%'>\n";

echo "<tr>\n";

echo "<th>Product</th>\n";

echo "<th>Description</th>\n";

echo "<th>Price Each</th>\n";

echo "</tr>\n";

while (($row = $QueryResult->fetch\_assoc()) != NULL)   
 {

echo "<tr><td>" . htmlentities($row['name']) .   
 "</td>\n";

echo "<td>" . htmlentities($row['description'])   
 . "</td>\n";

printf("<td>$%.2f</td></tr>\n", $row['price']);

}

echo "</table>\n";

}

}

**Exercise 02\_10\_01 – Step 5**

class\_OnlineStore.php

<?php

class OnlineStore {

}

?>

------------------------------------

GourmetCoffee.php

<?php

require\_once("inc\_OnlineStoreDB.php");

require\_once("class\_OnlineStore.php");

?>

------------------------------------

GourmetCoffee.php

require\_once("class\_OnlineStore.php");

if (class\_exists("OnlineStore")) {

$Store = new OnlineStore();

}

else {

$errorMsgs[] = "The <em>OnlineStore</em> class is not   
 available!";

$Store = NULL;

}

**Exercise 02\_10\_01 – Step 6**

class\_OnlineStore.php

<?php

class OnlineStore {

private $DBConnect = NULL;

private $storeID = "";

private $inventory = array();

private $shoppingCart = array();

}

?>

**Exercise 02\_10\_01 – Step 7**

GourmetCoffee.php

<?php

session\_start();

require\_once("inc\_OnlineStoreDB.php");

require\_once("class\_OnlineStore.php");

if (class\_exists("OnlineStore")) {

if (isset($\_SESSION['currentStore'])) {

echo "Unserializing object.<br>";  
 $Store = unserialize($\_SESSION['currentStore']);

}

else {

echo "Instantiating new object.<br>";  
 $Store = new OnlineStore();

}

}

else {

$errorMsgs[] = "The <em>OnlineStore</em> class is not   
 available!";

$Store = NULL;

}

?>

------------------------------------

GourmetCoffee.php

echo "</table>\n";

$\_SESSION['currentStore'] = serialize($Store);

**Exercise 02\_10\_01 – Step 8**

class\_OnlineStore.php

<?php

class OnlineStore {

private $DBConnect = NULL;

private $storeID = "";

private $inventory = array();

private $shoppingCart = array();

function \_\_construct() {

}

}

?>

------------------------------------

class\_OnlineStore.php

function \_\_construct() {

include("inc\_OnlineStoreDB.php");

$this->DBConnect = $DBConnect;

}

**Exercise 02\_10\_01 – Step 9**

class\_OnlineStore.php

function \_\_destruct() {

}

------------------------------------

class\_OnlineStore.php

function \_\_construct() {

include("inc\_OnlineStoreDB.php");

$this->DBConnect = $DBConnect;

}

------------------------------------

class\_OnlineStore.php

private $DBConnect = NULL;

private $DBName = "";

------------------------------------

class\_OnlineStore.php

$this->DBConnect = $DBConnect;

$this->DBName = $DBName;

------------------------------------

class\_OnlineStore.php

echo "<p>Closing database " .

"<em>$this->DBName</em>.</p>\n";

------------------------------------

GourmetCoffee.php

//if (!$DBConnect->connect\_error) {

// echo "<p>Closing database <em>$DBName</em>.</p>\n";

// $DBConnect->close();

//}

**Exercise 02\_10\_01 – Step 10**

class\_OnlineStore.php

function \_\_wakeup() {

}

------------------------------------

class\_OnlineStore.php

function \_\_wakeup() {

include("inc\_OnlineStoreDB.php");

$this->DBConnect = $DBConnect;

$this->DBName = $DBName;

}

**Exercise 02\_10\_01 – Step 11**

class\_OnlineStore.php

public function setStoreID($storeID) {

echo "\$storeID: $storeID<br>";

}

------------------------------------

GourmetCoffee.php

require\_once("class\_OnlineStore.php");

$storeID = "COFFEE";

------------------------------------

GourmetCoffee.php

else {

echo "Instantiating new object.<br>";

$Store = new OnlineStore();

}

$Store->setStoreID($storeID);

------------------------------------

class\_OnlineStore.php

public function setStoreID($storeID) {

if ($this->storeID != $storeID) {

$this->storeID = $storeID;

$TableName = "inventory";

$SQLstring = "SELECT \* FROM $TableName" .

" WHERE storeID='" .

$this->storeID . "'";

$queryResult =

$this->DBConnect->query($SQLstring);

if (!$queryResult) {

echo "<p>Unable to execute the query, " .

"error code: " .

$this->DBConnect->errno .

": " . $this->DBConnect->error .

"</p>\n";

$this->storeID = "";

}

}

class\_OnlineStore.php

else {

$inventory = array();

$shoppingCart = array();

while (($row = $queryResult->fetch\_assoc())

!= NULL) {

$this->inventory[$row['productID']]

= array();

$this->inventory[$row['productID']]

['name'] = $row['name'];

$this->inventory[$row['productID']]

['description'] = $row['description'];

$this->inventory[$row['productID']]

['price'] = $row['price'];

$this->shoppingCart[$row['productID']] = 0;

}

echo "<pre>\n";

print\_r($this->inventory);

print\_r($this->shoppingCart);

echo "</pre>\n";

}

------------------------------------

class\_OnlineStore.php

public function getStoreInformation() {

$retval = false;

if ($this->storeID != "") {

$TableName = "storeinfo";

$SQLstring = "SELECT \* FROM $TableName" .

" WHERE storeID='" .

$this->storeID . "'";

$queryResult =

$this->DBConnect->query($SQLstring);

if ($queryResult) {

$retval = $queryResult->fetch\_assoc();

}

}

return $retval;

}

------------------------------------

GourmetCoffee.php

require\_once("class\_OnlineStore.php");

$storeID = "COFFEE";

$storeInfo = array();

GourmetCoffee.php

$Store->setStoreID($storeID);

$storeInfo = $Store->getStoreInformation();

echo "<pre>\n";

print\_r($storeInfo);

echo "</pre>\n";

class\_OnlineStore.php

public function getProductList() {

$retval = false;

$subtotal= 0;

if (count($this->inventory) > 0) {

echo "<table width='100%'>\n";

echo "<tr>";

echo "<th>Product</th>";

echo "<th>Description</th>";

echo "<th>Price Each</th>";

echo "<th># in Cart</th>";

echo "<th>Total Price</th>";

echo "<th>&nbsp;</th>";

echo "</tr>\n";

foreach ($this->inventory as $ID => $info) {

echo "<tr>";

echo "<td>" . htmlentities($info['name']) .

"</td>";

echo "<td>" .

htmlentities($info['description']) .

"</td>";

printf("<td class='currency'>$%.2f</td>",

$info['price']);

echo "<td class='currency'>" .

$this->shoppingCart[$ID] . "</td>";

printf("<td class='currency'>$%.2f</td>",

$info['price'] \*

$this->shoppingCart[$ID]);

echo "<td><a href='" .

$\_SERVER['SCRIPT\_NAME'] .

"?PHPSESSID=" . session\_id() .

"&ItemToAdd=$ID’>Add Item</a></td>";

$subtotal += ($info['price'] \*

$this->shoppingCart[$ID]);

echo "</tr>\n";

}

echo "<tr><td colspan='4'>Subtotal</td>";

printf("<td class='currency'>$%.2f</td>",

$subtotal);

echo "<td>&nbsp;</td></tr>";

echo "</table>\n";

$retval = true;

}

return($retval);

}

GourmetCoffee.php

<script src="modernizr.custom.65897.js"></script>

<link rel="stylesheet" type="text/css"

href="<?php echo $storeInfo['cssFile']; ?>">

------------------------------------

GourmetCoffee.php

<h1><?php echo htmlentities($storeInfo['name']); ?></h1>

<h2><?php echo htmlentities($storeInfo['description']);   
 ?></h2>

<p><?php echo htmlentities($storeInfo['welcome']); ?></p>

------------------------------------

GourmetCoffee.php

<?php

$Store->getProductList();

$\_SESSION['currentStore'] = serialize($Store);

------------------------------------

GourmetCoffee.php

session\_start();

//require\_once("inc\_OnlineStoreDB.php");

**Exercise 02\_10\_01 – Step 12**

class\_OnlineStore.php

public function addItem() {

$prodID = $\_GET['ItemToAdd'];

if (array\_key\_exists($prodID, $this->shoppingCart)) {

$this->shoppingCart[$prodID] += 1;

}

}

------------------------------------

GourmetCoffee.php

$storeInfo = $Store->getStoreInformation();

if (isset($\_GET['ItemToAdd'])) {

$Store->addItem();

}

**Exercise 02\_10\_01 – Step 13**

OldTymeAntiques.php

require\_once("class\_OnlineStore.php");

$storeID = "ANTIQUE";

------------------------------------

ElectronicsBoutique.php

require\_once("class\_OnlineStore.php");

$storeID = "ELECBOUT";