

PHP/MySQL Lesson

Creating a PHP/MySQL Survey and Administration System

Written by: Steven D. Anderson, Ph.D.

Resource Files

* All of the sample source files for this tutorial are available for download at the following URL:
<http://drsteveanderson.com/smad-404/lessons/phpmysql/>

* This file is available at the following URL:
<http://drsteveanderson.com/wp-content/uploads/phpmysql.pdf>

Uploading & Testing

You'll need to use the hosting company account you signed up for at the beginning of the semester for the .php files. You will also need to setup your own MySQL database with your hosting company.

Upload all PHP files to this address and folder:

* your.domain.com/beasurvey

- Username: ?????
- Password: ?????

MySQL Database Server Address:

* You will need to setup a MySQL database and keep the following information.

- Database name:
- Host name:
- User name:
- Password:

Introduction

This tutorial shows you how to create an online survey for the Broadcast Education Association (BEA). This particular survey will ask convention attendees their opinions about the BEA2010 convention.

- Using your control panel, create a database you can use for this project.
- At 1and1.com, the information you'll need will be formatted something like this:
 - Database name: db135792468
 - User name: dbo135792468 (same as Database name, but with an "o" in it).
 - Host name: db1234.perfora.net
 - Password: (the one you typed when setting up the database)

Within this database we will create a **table** for the BEA2010 survey. Please get in the habit of using all lower-case letters.

Table: bea2010

In the future we might create other tables for future conventions. We can do this by continuing to use this **database**, but we might create new **tables** for future conventions such as BEA2011 and BEA2012.

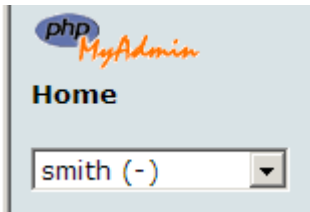
The Survey

Below is a simple survey with six questions for our table called **bea2010**.

Survey Questions
1). First Name
2). Last Name
3). Did you attend BEA2010 as a faculty member, student, exhibitor or industry professional? _ Faculty _ Student _ Exhibitor _ Industry Professional
4). Was this your first BEA convention? _ Yes _ No
5). On a 10 point scale, how valuable were the following events? (i.e. 1=not valuable, 10=extremely valuable) _ Exhibit Hall _ Technology Demonstration Room _ Apple Hands-On Lab _ Avid Hands-on Lab _ BEA Festival of Media Arts _ Academic Panel Sessions _ Competitive Paper Sessions
6). I would say that the BEA2010 convention lived up to my expectations. (1=strongly disagree, 2=disagree, 3=unsure, 4=agree, 5=strongly agree) _ 1 _ 2 _ 3 _ 4 _ 5

MySQL Table Creation (Using phpMyAdmin)

* Go to your hosting company's control panel to access phpMyAdmin. At 1and1.com, from the control panel you must first click on the "MySQL Administration" icon. Next to the database name (i.e. db135792468), you'll see a button for "phpMyAdmin."



* Once you log in, you'll see your database listed on the left

*** NOTE: This is the database you created earlier.

* Click on the database name on the left

* You must now create a table in this database as shown below (use BEA 2010 in place of BEA 2004 in all future instances).

• Create new table on database smith :

Name :

Fields :

Setting up the Fields

After creating the table, you will get a screen that looks like this:

Field	Type [Documentation]	Length/Values*	Attributes	Null	Default	Extra	Primary	Index	Unique	...	Fulltext
	VARCHAR			not null			<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="checkbox"/>
	VARCHAR			not null			<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="checkbox"/>
	VARCHAR			not null			<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="checkbox"/>

We have created room for only the first 3 (of 13) fields we will need for this survey. Enter the following information:

Field	Type [Documentation]	Length/Values*	Attributes	Null	Default	Extra	Primary	Index	Unique	...	Fulltext
id	INT	11		not null		auto_increment	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="checkbox"/>
firstname	VARCHAR	255		not null			<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="checkbox"/>
lastname	VARCHAR	255		not null			<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="checkbox"/>

Field 1 – id: Every table should start with an id. An id is something we can automatically create in the table for each survey respondent and the numbers will automatically grow (auto_increment) as each new respondent submits the online survey. The Length/Value of 11 is somewhat arbitrary. This will allow plenty of new respondents to complete the survey because it represents an 11 digit number (not the number 11). Make sure you check the "Index" radio button for this one only.

Field 2 – firstname: This is the first question in our online survey. We have chosen the column type of varchar, and we've allowed up to 255 characters for the field. That ought to be plenty of characters to cover even the longest first name one could have.

Field 3- lastname: (same explanation as above).

- Click on “Save”

Adding More Fields

Next, we have to create more fields to cover all of the survey questions. Below is a reference for what we are about to do.

field	Survey Questions	Field Name	ColumnType **	Length/ Values
1		id	INT	11
2	1). First Name	firstname	VARCHAR	255
3	2). Last Name	lastname	VARCHAR	255
4	3). Did you attend BEA2010 as a faculty member, student, exhibitor or industry professional? _ Faculty _ Student _ Exhibitor _ Industry Professional	category	ENUM	'faculty','student','exhibitor','industry'
5	4). Was this your first BEA convention? _ Yes _ No	first	TINYINT	1
6	5). On a 10 point scale, how valuable were the following events? (i.e. 1=not valuable, 10=extremely valuable) _ Exhibit Hall _ Technology Demonstration Room _ Apple Hands-On Lab _ Avid Hands-on Lab _ BEA Festival of Media Arts _ Academic Panel Sessions _ Competitive Paper Sessions	exhibits	TINYINT	2
7		tdr	TINYINT	2
8		apple	TINYINT	2
9		avid	TINYINT	2
10		festival	TINYINT	2
11		academic	TINYINT	2
12		papers	TINYINT	2
13	6). I would say that the BEA2010 convention lived up to my expectations. (1=strongly disagree, 2=disagree, 3=unsure, 4=agree, 5=strongly agree) _ 1 _ 2 _ 3 _ 4 _ 5	expectations	TINYINT	1

(For information on column types see: MySQLColumnTypes.pdf)

* Find the following area on your phpMyAdmin screen:

• Add new field : At End of Table

* Change it to look like this, then click on “Go”:

• Add new field : At End of Table

* This will allow us to create 10 more fields at the end of the current list of fields. Fill them in as below:
 NOTE: On the first one (category), you can't see all the characters I entered for Length/Values. It should read: 'faculty','student','exhibitor','industry'

Field	Type [Documentation]	Length/Values*	Attributes	Null	Default	Extra	Primary	Index	Unique	...	Fulltext
category	ENUM	pitor,'industry'		not null			<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="checkbox"/>
first	TINYINT	1		not null			<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="checkbox"/>
exhibits	TINYINT	2		not null			<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="checkbox"/>
tdr	TINYINT	2		not null			<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="checkbox"/>
apple	TINYINT	2		not null			<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="checkbox"/>
avid	TINYINT	2		not null			<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="checkbox"/>
festival	TINYINT	2		not null			<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="checkbox"/>
academic	TINYINT	2		not null			<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="checkbox"/>
papers	TINYINT	2		not null			<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="checkbox"/>
expectations	TINYINT	1		not null			<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="checkbox"/>

* Click on "Save"

* You now have a table setup that looks like this:

	Field	Type	Attributes	Null	Default	Extra	Action						
<input type="checkbox"/>	id	int(11)		No		auto_increment							
<input type="checkbox"/>	firstname	varchar(255)		No									
<input type="checkbox"/>	lastname	varchar(255)		No									
<input type="checkbox"/>	category	enum('faculty', 'student', 'exhibitor', 'industry')		No	faculty								
<input type="checkbox"/>	first	tinyint(1)		No	0								
<input type="checkbox"/>	exhibits	tinyint(2)		No	0								
<input type="checkbox"/>	tdr	tinyint(2)		No	0								
<input type="checkbox"/>	apple	tinyint(2)		No	0								
<input type="checkbox"/>	avid	tinyint(2)		No	0								
<input type="checkbox"/>	festival	tinyint(2)		No	0								
<input type="checkbox"/>	academic	tinyint(2)		No	0								
<input type="checkbox"/>	papers	tinyint(2)		No	0								
<input type="checkbox"/>	expectations	tinyint(1)		No	0								

↑ [Check All](#) / [Uncheck All](#) With selected:

NOTE: You can change or drop any field by clicking on the checkbox for a field and then hitting either "Change" or "Drop."

* You can always get to this screen by clicking on the "Structure" tab.



Creating the HTML Fill-in-Form Survey

* Create a standard HTML fill-in-form in Dreamweaver. Make sure the ID field matches the name of the field you used in phpMyAdmin. Save it as **survey.php**

BEA2004 Survey

First Name:

Last Name:

Did you attend BEA2004 as a faculty member, student, exhibitor or industry professional?

Was this your first BEA convention?
 Yes
 No

On a 10 point scale, how valuable were the following events? (i.e. 1=not valuable, 10=extremely valuable)

Exhibit Hall

Technology Demonstration Room

Apple Hands-On Classroom

Avid Hands-On Classroom

BEA Festival of Media Arts

Academic Panel Sessions

Competitive Paper Sessions

I would say that the BEA2004 convention lived up to my expectations. (1=strongly disagree, 2=disagree, 3=unsure, 4=agree, 5=strongly agree)

Submit
Clear

Properties

TextField
ID: **firstname**

Make sure the field name in the form matches the field name you created in the MySQL database

* Below is how it might look in a browser as filled out by a user whose name is Elmo Schnoogieheimer:

Untitled Document - Microsoft Internet Explorer

BEA2004 Survey

First Name:

Last Name:

Did you attend BEA2004 as a faculty member, student, exhibitor or industry professional?

Was this your first BEA convention?
 Yes
 No

On a 10 point scale, how valuable were the following events? (i.e. 1=not valuable, 10=extremely valuable)

Exhibit Hall

Technology Demonstration Room

Apple Hands-On Classroom

Avid Hands-On Classroom

BEA Festival of Media Arts

Academic Panel Sessions

Competitive Paper Sessions

I would say that the BEA2004 convention lived up to my expectations. (1=strongly disagree, 2=disagree, 3=unsure, 4=agree, 5=strongly agree)

Submit
Clear

Creating PHP Script to Input the Form Data into the Database

Background

We could write all of the PHP script we need for this directly into the **survey.php** file. Instead, we will create a separate PHP file to handle the posting. This other file will be called **surveypost.php**. In essence, the **survey.php** file contains the form information and then the information is passed to **surveypost.php** for insertion into the MySQL database. Below is a visual representation:



* Based on the form information filled out by Elmo Schnoogieheimer, the following will happen:

- The word **Elmo** will go into the **firstname** field in the table called bea2010 (VARCHAR-255 means it can be no longer than 255 characters)
- The word **Schnoogieheimer** will go into **lastname** field (VARCHAR-255 means it can be no longer than 255 characters)
- The word **student** will go into the **category** field (ENUM-'faculty','student','exhibitor','industry') means the word must be one of those four words. By doing this as a dropdown selection, we assure that the input can only be one of those four words).
- The number **1** will go into the **first** field (TINYINT-1) We've made Yes=1, No=0
- The number **6** will go into the **exhibits** field (TINYINT-2 means must be a very small integer. The signed range is -128 to 127. The unsigned range is 0 to 255. Using a dropdown selection assures that only the numbers 1-10 can go into the field).
- The number **6** will go into the **tdr** field (TINYINT-2)
- The number **8** will go into the **apple** field (TINYINT-2)
- The number **8** will go into the **avid** field (TINYINT-2)
- The number **7** will go into the **festival** field (TINYINT-2)
- The number **9** will go into the **academic** field (TINYINT-2)
- The number **9** will go into the **papers** field (TINYINT-2)
- The number **5** will go into the **expectations** field (TINYINT-1)

Step 1: Connecting to MySQL with PHP

- * Create a new document in Dreamweaver and go to “Code View”
- * Save the file as **surveypost.php**
- * Place the following text in the document after the <BODY> tag.

<p>BASIC METHOD</p> <pre><?php \$dbcnx = mysql_connect('db1234.perfora.net', 'username', 'yourpassword'); ?></pre>	<p>OPTIONAL (To give an error message if not able to connect)</p> <pre><?php \$dbcnx = @mysql_connect('db1234.perfora.net', 'username', 'yourpassword'); if (!\$dbcnx) { echo '<p>Unable to connect to the database server at this time.</p>'; exit (); } ?></pre>
---	---

- All php information needs to start with **<?php** and end with **?>**
- **\$dbcnx** is a variable to store the value returned by `mysql_connect`.
- **db1234.perfora.net** is the server name that was given to you by the hosting company.
(If this PHP file and the MySQL software are on the same computer, use instead **localhost**).
- **username** is the username, such as `dbo135792468`.
- **yourpassword** is the password you set up.

Step 2: Selecting the Database to Work With (**yourlastname**)

- * We need to select the `db135792468` database for the form information to be posted to that database.
- * Insert the following text right after the line you entered above. Make sure you insert the remaining information before the **?>** tag.

<p>BASIC METHOD</p> <pre>mysql_select_db ('db135792468',\$dbcnx);</pre>	<p>OPTIONAL (To handle errors)</p> <pre>mysql_select_db ('db135792468',\$dbcnx); if (!@mysql_select_db('db135792468')) { die('<p>Unable to locate the db135792468' . 'database at this time. </p>'); }</pre>
--	---

- * **db135792468** is the database name.
- * **\$dbcnx** tells it we want to use the connection we established called `$dbcnx`.

Step 3: Writing PHP to Input the Form Data into the Table (**bea2010**)

- * Add the following text, immediately after the line(s) you entered above.

<p>PHP Script</p> <pre>\$firstname=\$_POST[firstname]; \$lastname=\$_POST[lastname]; \$category=\$_POST[category]; \$first=\$_POST[first];</pre>	<p>Explanation</p> <p><-- Declares a variable named \$firstname that will store the data from the web form's firstname text box.</p>
--	--

<pre> \$exhibits=\$_POST[exhibits]; \$tdr=\$_POST[tdr]; \$apple=\$_POST[apple]; \$avid=\$_POST[avid]; \$festival=\$_POST[festival]; \$academic=\$_POST[academic]; \$papers=\$_POST[papers]; \$expectations=\$_POST[expectations]; \$sql = "INSERT INTO bea2010 SET firstname='\$firstname', lastname='\$lastname', category='\$category', first='\$first', exhibits='\$exhibits', tdr='\$tdr', apple='\$apple', avid='\$avid', festival='\$festival', academic='\$academic', papers='\$papers', expectations='\$expectations'"; \$result = mysql_query(\$sql); echo "Thank you! Information entered."; </pre>	<p><-- Insert the data into the bea2010 table <-- The \$firstname variable will place the results of the web form's firstname into the firstname cell of the MySQL table.</p>
--	--

The Whole **surveypost.php** File

* In “Code View” of Dreamweaver, your **surveypost.php** file should look like this:

```

<!DOCTYPE HTML PUBLIC "-//W3C//DTD HTML 4.01 Transitional//EN"
"http://www.w3.org/TR/html4/loose.dtd">
<html>
<head>
<title>BEA2010 Survey</title>
<meta http-equiv="Content-Type" content="text/html; charset=iso-8859-1">
</head>

<body>

<?php

$dbcnx = mysql_connect("db1234.perfora.net","dbo135792468","yourpassword") or die ("can't log in to
database"); mysql_select_db("db135792468",$dbcnx) or die ("failed to select database");

$firstname=$_POST[firstname];
$lastname=$_POST[lastname];
$category=$_POST[category];
$first=$_POST[first];
$exhibits=$_POST[exhibits];
$tdr=$_POST[tdr];
$apple=$_POST[apple];

```

```
$avid=$_POST[avid];
$festival=$_POST[festival];
$academic=$_POST[academic];
$papers=$_POST[papers];
$expectations=$_POST[expectations];
$sql = "INSERT INTO bea2010 SET
    firstname='$firstname',
    lastname='$lastname',
    category='$category',
    first='$first',
    exhibits='$exhibits',
    tdr='$tdr',
    apple='$apple',
    avid='$avid',
    festival='$festival',
    academic='$academic',
    papers='$papers',
    expectations='$expectations'";
$result = mysql_query($sql) or die ("can't write to db");
echo "Thank you! Information entered.";?>

</body>
</html>
```

Linking [survey.php](#) to [surveypost.php](#)

- * Go to the file with the fill-in-form called [survey.php](#) in Dreamweaver. Use “Code View.”
- * Find the following line:

```
<form name="form1" method="post" action="">
```

- * Change it to:

```
<form method="post" action="surveypost.php">
```

Uploading and Testing

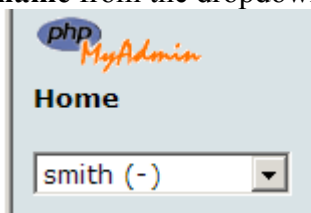
Uploading: These PHP files will not work by looking at them directly on your computer. The files must be placed on a computer that is running PHP. Earlier, you acquired web hosting from a company that supported PHP. You’ll need to upload these two PHP files ([survey.php](#) and [surveypost.php](#)) into a folder called **beasurvey** on your web space.

Testing: To fill out your survey, go to the following URL:
<http://your.domain.com/beasurvey/survey.php>

- * Fill out the form, hit “Submit” and you should get a message that says:
Thank you! Information entered.

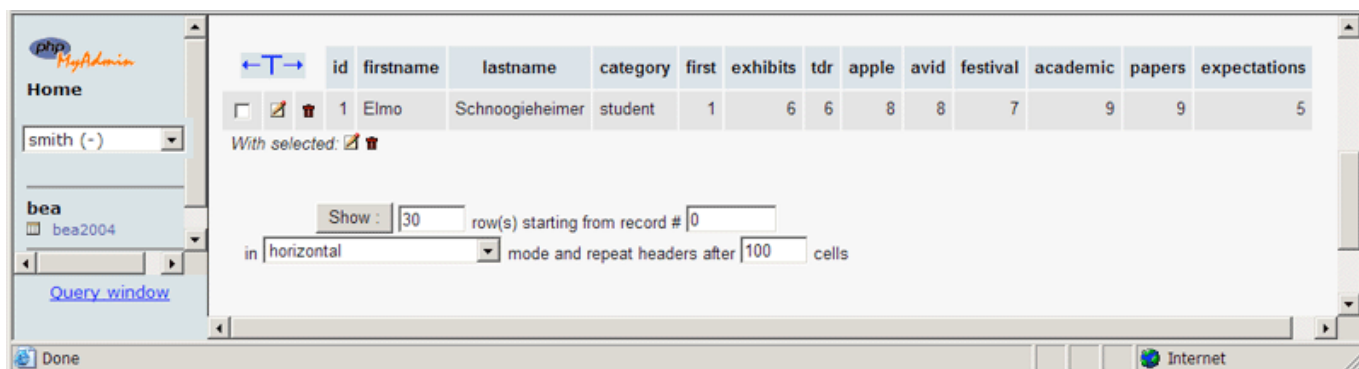
* You next need to determine if the data actually made it into the database. For that, we'll go back to phpMyAdmin:

- Select the **database name** from the dropdown menu i.e.:



- Click on the **bea2010** table (on the left side).
- Click on the **“Browse”** tab at the top. (If the “Browse” tab is grayed out, you might try hitting the “Refresh” button in your browser. Or, click once again on the bea2010 table name on the left side. If that still doesn't work, then the data did not get successfully placed into the database. You'll need to do some troubleshooting).

* You should see that the information entered by Elmo Schnoogieheimer was successfully placed into your table called **bea2010**, which is in your database called **yourlastname**. It should look like the following:

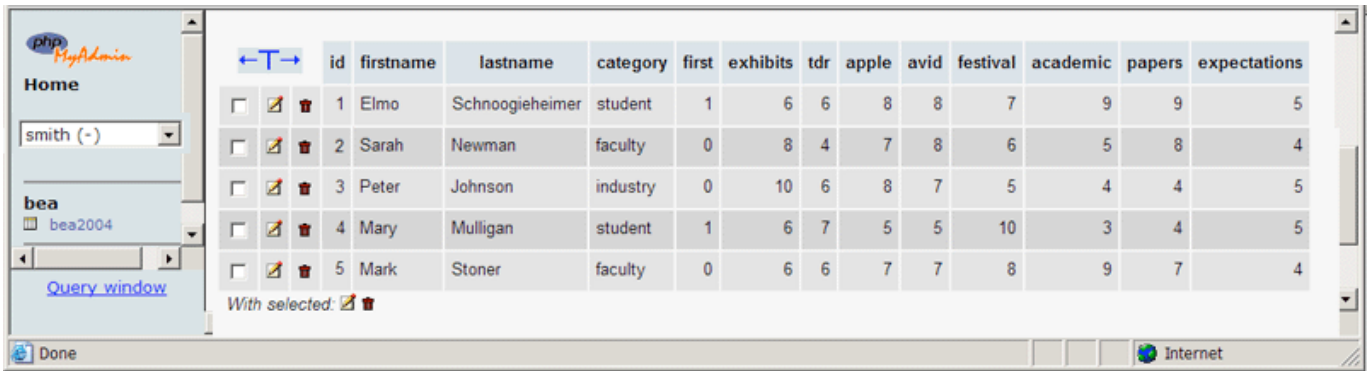


Retrieving the Database Information on a Web Page

At this point, we might want to make a web page that will display some or all of the information that people have filled out via our form. To do this, we just make a page we'll call **retrieve.php** that will retrieve the desired information from the database. This is sort of the opposite of what we did earlier when we were learning how to put information into the database.

So we'll have more data to work with, let's first go back to:

<http://your.domain.com/beasurvey/survey.php> and fill out the form about 4 or 5 more times with different names and information to populate our bea2010 table with more information. As viewed in phpMyAdmin, it might now look something like this:



A Basic Retrieval Page

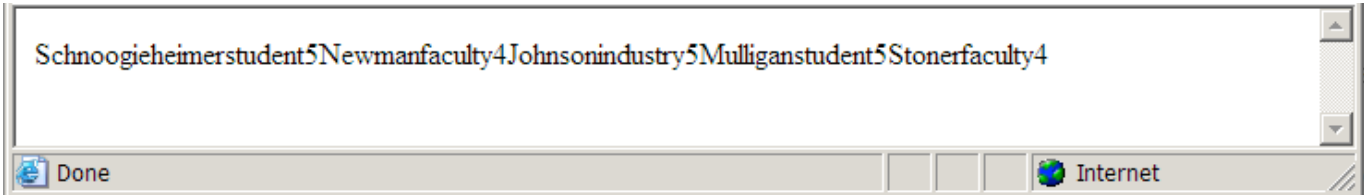
Suppose we want a web page that will retrieve just some of the information from the database, such as **lastname**, **category** and **expectations**. To do this, we will write a very simple bit of PHP to select those fields from the **bea2010** table of the **yourlastname** database.

- * Create a new file in Dreamweaver and call it **retrieve.php**.
- * In “Code View”, insert the PHP script on the left below, between the `<BODY>` and `</BODY>` tags:

PHP Script	Explanation
<pre><?php \$dbcnx = mysql_connect("hostname", "username","yourpassword"); mysql_select_db("dbname",\$dbcnx); \$result = mysql_query("SELECT lastname, category, expectations FROM bea2010"); while (\$myrow = mysql_fetch_array(\$result)) { \$lastname = \$myrow["lastname"]; \$category = \$myrow["category"]; \$expectations = \$myrow["expectations"]; echo ("\$lastname" . "\$category" . "\$expectations"); } ?></pre>	<pre><-- Makes the connection to the MySQL server <-- Connects to the database called yourlastname <-- Selects the three desired fields from the table called bea2010. We save the result returned by the database to the variable \$result. <-- We use the function mysql_fetch_array() to extract each row from \$result and assign them to variable \$myrow. So, \$myrow contains information about each row as opposed to all the rows in \$result. Now, we can access the different data in the different rows of the database from the \$result variable.</pre>

- * Save the file **retrieve.php**
- * Upload **retrieve.php** to: your.domain.com/beasurvey
- * Check the page at: <http://your.domain.com/beasurvey/retrieve.php>

Check it in a web browser. What you notice is that all the requested data shows up, but the formatting is horrible (see below).



A Formatted Retrieval Page

In the next steps, we'll go over how to make the page look better with some simple
 tags and a table for formatting. This time, we'll also extract all of the fields from the database, instead of just the lastname, category and expectations fields.

- * Create a new file in Dreamweaver and call it **retrieve2.php**.
- * In "Code View", insert the PHP script on the left below, between the <BODY> and </BODY> tags:

PHP Script	Explanation
<pre> <?php \$dbcnx = mysql_connect("hostname", "username","yourpassword"); mysql_select_db("dbname",\$dbcnx); \$result = mysql_query("SELECT * FROM bea2010"); while(\$myrow = mysql_fetch_array(\$result)) { echo "<TABLE BORDER=1>"; echo "<TR><TD width=300 height=100>"; echo "Name: "; echo \$myrow["firstname"]; echo " "; echo \$myrow["lastname"]; echo "
"; echo "Category: "; echo \$myrow["category"]; echo "
"; echo "First BEA Convention?: "; echo \$myrow["first"]; echo "
"; echo "Exhibits: "; echo \$myrow["exhibits"]; echo "
"; echo "Technology Demonstration Room: "; echo \$myrow["tdr"]; echo "
"; </pre>	<pre> <-- The * means "select all". <-- Creates a new row/new cel for each entry <-- Puts a space between the person's first and last names. <-- Creates a
 break. </pre>

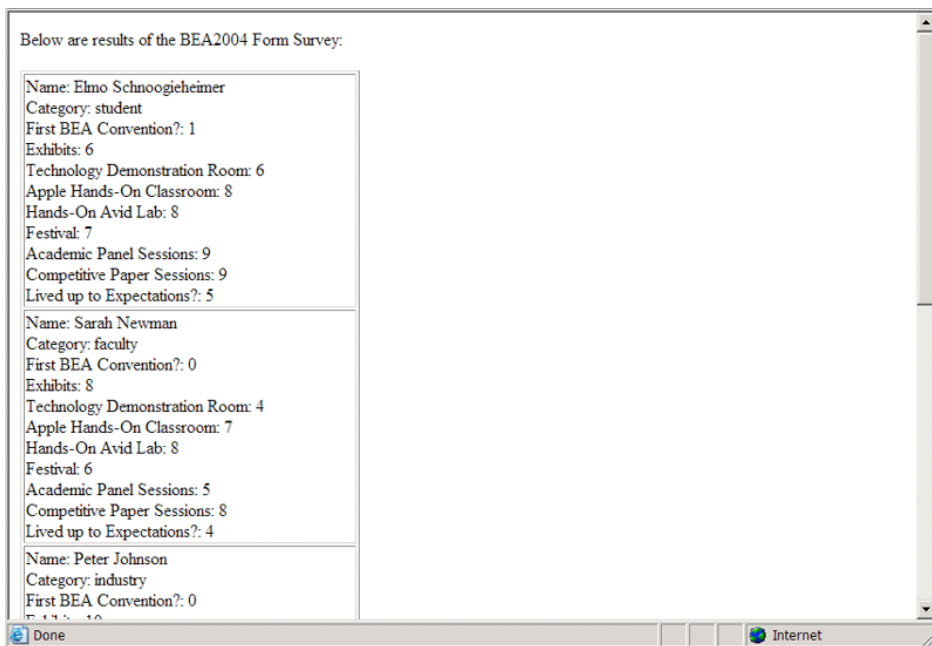
```

echo "Apple Hands-On Classroom: ";
echo $myrow["apple"];
echo "<BR>";
echo "Hands-On Avid Lab: ";
echo $myrow["avid"];
echo "<BR>";
echo "Festival: ";
echo $myrow["festival"];
echo "<BR>";
echo "Academic Panel Sessions: ";
echo $myrow["academic"];
echo "<BR>";
echo "Competitive Paper Sessions: ";
echo $myrow["papers"];
echo "<BR>";
echo "Lived up to Expectations?: ";
echo $myrow["expectations"];
echo "<BR>";
}
echo "</TABLE>";
?>

```

- * Save the file **retrieve2.php**
- * Upload **retrieve2.php** to: your.domain.com/beasurvey
- * Check the page at: <http://your.domain.com/beasurvey/retrieve2.php>

* This will give you a page in a browser that looks like this:



Another Formatted Retrieval Page

This next example shows a way to make the page look even better.

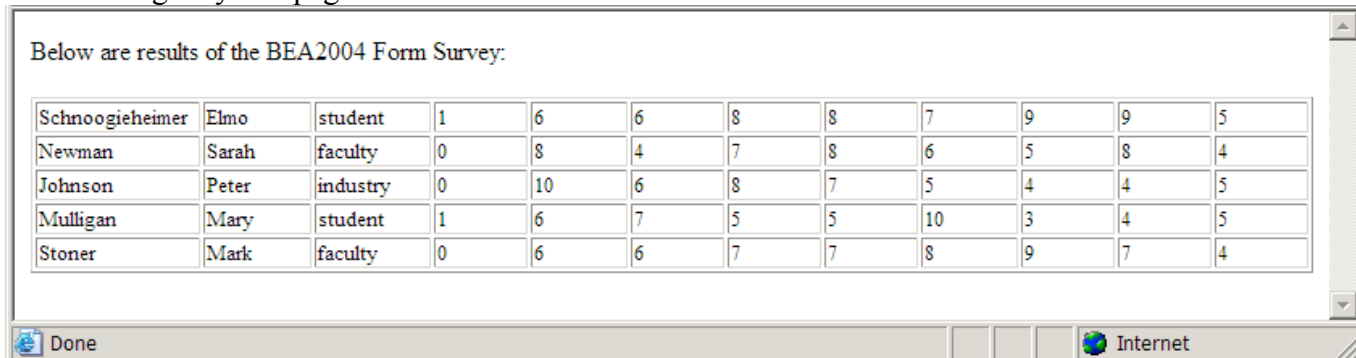
* Create a new file in Dreamweaver and call it **retrieve3.php**.

* In “Code View”, insert the PHP script on the left below, between the <BODY> and </BODY> tags:

PHP Script	Explanation
<pre><TABLE BORDER=1> <TR> <?php \$dbcnx = mysql_connect("hostname", "username","yourpassword"); mysql_select_db("dbname",\$dbcnx); \$result = mysql_query("SELECT * FROM bea2010"); while(\$respondent = mysql_fetch_array(\$result)) { \$firstname = \$respondent["firstname"]; \$lastname = \$respondent["lastname"]; \$category = \$respondent["category"]; \$first = \$respondent["first"]; \$exhibits = \$respondent["exhibits"]; \$tdr = \$respondent["tdr"]; \$apple = \$respondent["apple"]; \$avid = \$respondent["avid"]; \$festival = \$respondent["festival"]; \$academic = \$respondent["academic"]; \$papers = \$respondent["papers"]; \$expectations = \$respondent["expectations"]; echo "<TD WIDTH=\"120\">\$lastname</td>"; echo "<TD WIDTH=\"80\">\$firstname</td>"; echo "<TD WIDTH=\"100\">\$category</td>"; echo "<TD WIDTH=\"20\">\$first</td>"; echo "<TD WIDTH=\"20\">\$exhibits</td>"; echo "<TD WIDTH=\"20\">\$tdr</td>"; echo "<TD WIDTH=\"20\">\$apple</td>"; echo "<TD WIDTH=\"20\">\$avid</td>"; echo "<TD WIDTH=\"20\">\$festival</td>"; echo "<TD WIDTH=\"20\">\$academic</td>"; echo "<TD WIDTH=\"20\">\$papers</td>"; echo "<TD WIDTH=\"20\">\$expectations</td>"; } ?> </TR> </TABLE></pre>	<p><-- These lines go BEFORE the <?php statement.</p> <p><-- Instead of using \$myrow, we declare a variable called \$respondent. <-- We use \$respondent to declare variables for each column of data.</p> <p><-- Some characters, such as quotes, create problems. So, the backslashes are used to “escape” the quotes in the HTML tags. You must do this anytime you have material between quotes.</p> <p><-- These lines go AFTER the ?> statement.</p>

- * Save the file **retrieve3.php**
- * Upload **retrieve3.php** to: your.domain.com/beasurvey
- * Check the page at: <http://your.domain.com/beasurvey/retrieve3.php>

* This will give you a page in a browser that looks like this:



*** To put the headers at the top, simply create **another table row** before the **<?php** statement, like shown below. Create this file and call it **retrieve4.php**.

```

<TABLE BORDER=1>
<TR>
<TD VALIGN=TOP WIDTH="140"><FONT SIZE="2">Last Name</FONT></TD>
<TD VALIGN=TOP WIDTH="100"><FONT SIZE="2">First Name</FONT>
<TD VALIGN=TOP WIDTH="70"><FONT SIZE="2">Category</FONT>
<TD VALIGN=TOP WIDTH="40"><FONT SIZE="2">First BEA?</FONT>
<TD VALIGN=TOP WIDTH="40"><FONT SIZE="2">Exhibits</FONT></TD>
<TD VALIGN=TOP WIDTH="40"><FONT SIZE="2">TDR</FONT></TD>
<TD VALIGN=TOP WIDTH="50"><FONT SIZE="2">Apple</FONT></TD>
<TD VALIGN=TOP WIDTH="50"><FONT SIZE="2">Avid</FONT></TD>
<TD VALIGN=TOP WIDTH="60"><FONT SIZE="2">Festival</FONT></TD>
<TD VALIGN=TOP WIDTH="60"><FONT SIZE="2">Academic Panels</FONT></TD>
<TD VALIGN=TOP WIDTH="80"><FONT SIZE="2">Competitive Papers</FONT></TD>
<TD VALIGN=TOP WIDTH="80"><FONT SIZE="2">Expectations</FONT></TD>
</TR>
<TR>
<?php

```

- * Save the file **retrieve4.php**
- * Upload **retrieve4.php** to: your.domain.com/beasurvey
- * Check the page at: <http://your.domain.com/beasurvey/retrieve4.php>

* This will give you a page in a browser that looks like this:

Below are results of the BEA2004 Form Survey:

Last Name	First Name	Category	First BEA?	Exhibits	TDR	Apple	Avid	Festival	Academic Panels	Competitive Papers	Expectations
Schnoogieheimer	Elmo	student	1	6	6	8	8	7	9	9	5
Newman	Sarah	faculty	0	8	4	7	8	6	5	8	4
Johnson	Peter	industry	0	10	6	8	7	5	4	4	5
Mulligan	Mary	student	1	6	7	5	5	10	3	4	5
Stoner	Mark	faculty	0	6	6	7	7	8	9	7	4

Retrieving Data ONLY if a Particular Column Has a Certain Value

Suppose that you want to retrieve information from the database only for those respondents who identified themselves as a student. In other words, we only want to display the data for those where the category field = student. To keep our code from getting too long for this example, we'll only retrieve the lastname, category and expectations fields this time.

* Create a new file in Dreamweaver and call it [retrievestudent.php](#).

* In "Code View", insert the PHP script on the left below, between the <BODY> and </BODY> tags:

PHP Script

```
<?php
$dbcnx = mysql_connect("hostname",
"username","yourpassword");
mysql_select_db("dbname",$dbcnx);

$result = mysql_query("SELECT lastname, category,
expectations FROM bea2010 WHERE category =
'student' ");

echo "<TABLE BORDER=1>";
while ($myrow = mysql_fetch_array($result)) {
echo "<TR><TD width=300 height=50>";
echo "Lastname: ";
echo $myrow["lastname"];
echo "<BR>";
echo "Category: ";
echo $myrow["category"];
echo "<BR>";
echo "Expectations: ";
echo $myrow["expectations"];
echo "<BR>";
}
echo "</TABLE>";
?>
</p>
```

Explanation

<-- Only display lastname, category and expectations IF they are students (**student**).

- * Save the file **retrievestudent.php**
- * Upload **retrievestudent.php** to: your.domain.com/beasurvey
- * Check the page at: <http://your.domain.com/beasurvey/retrievestudent.php>

While we're at it, let's create the same page to show results just for Faculty (**retrievefaculty.php**) and for Industry Professionals (**retrieveindustry.php**). We'll use these files later when we create our Content Management System. All you have to do is change the one word (student) to faculty for the **retrievefaculty.php** page and change the word to industry for the **retrieveindustry.php** page.

- * Save the files, upload them, and test them.

Retrieving Data if MORE THAN ONE Column Have Certain Values

Suppose you only want to display information if two (or more) fields meet a certain requirement. For example, suppose you only want to display the data if they are a student AND they gave the Festival a rating of 10. In that case, you'd simply change the `$result` line to:

```
$result = mysql_query("SELECT * FROM bea2010 WHERE category = 'student' AND festival = '10' ");
```

Creating a Content Management System

Background

While you can view the information in the database with phpMyAdmin, often you want to give others in your organization the ability to view, edit or delete database information without giving the type of access you have with phpMyAdmin. You can create a web page that gives someone access to database information and you can determine what you want to allow them to do. For this exercise, we will create an "Administration" page where the administrator can do the following

- **View** the data
- **Add** new data
- **Delete** existing data
- **Edit** existing data
- **Search** the data
- **Order** the data on our Administration Page by category
- Show the **Total # of Respondents**

We will create an administrative page for our survey called **admin.php**. This PHP file will also to view all of the data in our database, and it will contain links to the following:

- * ADD a New Respondent: **addrespondent.php**
- * DELETE an Existing Respondent: **deleterepsondent.php**
- * EDIT an Existing Respondent: **editrespondent.php**
- * SEARCH for a Respondent: **searchrespondent.php**

We will also place links on the page to the files we created earlier to show

- * Student Respondents: **retrievestudent.php**
- * Faculty Respondents: **retrievefaculty.php**
- * Industry Respondents: **retrieveindustry.php**

Creating the Administration Page

* Create a new file in Dreamweaver and call it **admin.php**.

* In “Code View”, use the following text on the left below:

<pre><html> <head> <title>BEA2004 Survey Administration</title> </head> <body bgcolor="#ccccff"> <H1>BEA2004 Survey Administration</H1> * ADD a New Respondent <p> * SEARCH for a Respondent <p> Respondents by Category
 * Student Respondents
 * Faculty Respondents
 * Industry Respondents <p> Complete List of Respondents
 <p> <TABLE BORDER=1> <TR> <TD VALIGN=TOP WIDTH="40">ID</TD> <TD VALIGN=TOP WIDTH="140">Last Name</TD> <TD VALIGN=TOP WIDTH="100">First Name <TD VALIGN=TOP WIDTH="70">Category <TD VALIGN=TOP WIDTH="40">First BEA? <TD VALIGN=TOP WIDTH="40">Exhibits</TD> <TD VALIGN=TOP WIDTH="40">TDR</TD> <TD VALIGN=TOP WIDTH="50">Apple</TD> <TD VALIGN=TOP WIDTH="50">Avid</TD> <TD VALIGN=TOP WIDTH="60">Festival</TD> <TD VALIGN=TOP WIDTH="60">Academic Panels</TD> <TD VALIGN=TOP WIDTH="80">Competitive Papers</TD> <TD VALIGN=TOP WIDTH="80">Expectations</TD> <TD VALIGN=TOP WIDTH="40">&nbsp;</TD> <TD VALIGN=TOP WIDTH="60">&nbsp;</TD> </TR> <TR> <?php</pre>	<p><-- Links to . . . addrespondent.php</p> <p>searchrespondent.php</p> <p>retrievestudent.php retrievefaculty.php retrieveindustry.php</p> <p><-- Puts the Headings on the table</p> <p><-- Starts the table rows for the data</p>
---	---

```

$dbcnx = mysql_connect("streaming.smad.jmu.edu",
"username","yourpassword");
mysql_select_db("yourlastname",$dbcnx);

echo "<FONT SIZE='2'><a href='?order=id'>Order by ID</a></FONT> |
<FONT SIZE='2'><a href='?order=lastname'>Order by Last
Name</a></FONT> |
<FONT SIZE='2'><a href='?order=firstname'>Order by First
Name</a></FONT> |
<FONT SIZE='2'><a href='?order=category'>Order by
Category</a></FONT> |
<FONT SIZE='2'><a href='?order=first'>Order by First BEA?</a></FONT> |
<FONT SIZE='2'><a href='?order=exhibits'>Order by Exhibits</a></FONT>
<FONT SIZE='2'><a href='?order=tdr'>Order by TDR</a></FONT>
<FONT SIZE='2'><a href='?order=apple'>Order by Apple</a></FONT>
<FONT SIZE='2'><a href='?order=avid'>Order by Avid</a></FONT>
<FONT SIZE='2'><a href='?order=festival'>Order by Festival</a></FONT>
<FONT SIZE='2'><a href='?order=academic'>Order by
Academic</a></FONT>
<FONT SIZE='2'><a href='?order=papers'>Order by Papers</a></FONT>
<FONT SIZE='2'><a href='?order=expectations'>Order by
Expectations</a></FONT>
<p>";

if(empty($_GET["order"])) $order = "lastname";
else $order = $_GET["order"];

$result=mysql_query("SELECT * FROM bea2004 ORDER BY ".$order." ASC")
or die("error: ".mysql_error());

while($respondent = mysql_fetch_array($result))
{
    $id = $respondent["id"];
    $firstname = $respondent["firstname"];
    $lastname = $respondent["lastname"];
    $category = $respondent["category"];
    $first = $respondent["first"];
    $exhibits = $respondent["exhibits"];
    $tdr = $respondent["tdr"];
    $apple = $respondent["apple"];
    $avid = $respondent["avid"];
    $festival = $respondent["festival"];
    $academic = $respondent["academic"];
    $papers = $respondent["papers"];
    $expectations = $respondent["expectations"];

echo "<TABLE BORDER=1><TR>";
echo "<TD VALIGN=TOP WIDTH='40'><B>$id</B>";
echo "<TD VALIGN=TOP WIDTH='140'><B>$lastname</B>";
echo "<TD VALIGN=TOP WIDTH='100'><B>$firstname</B>";
echo "<TD VALIGN=TOP WIDTH='70'><B>$category</B>";

```

<-- Allows us to Click to Order by columns

<-- Begin by Ordering based on lastname

<-- Order in ascending order

<-- Puts the Data into table cells

<pre> echo "<TD VALIGN=TOP WIDTH='40'>\$first"; echo "<TD VALIGN=TOP WIDTH='40'>\$exhibits"; echo "<TD VALIGN=TOP WIDTH='40'>\$tdr"; echo "<TD VALIGN=TOP WIDTH='50'>\$apple"; echo "<TD VALIGN=TOP WIDTH='50'>\$avid"; echo "<TD VALIGN=TOP WIDTH='60'>\$festival"; echo "<TD VALIGN=TOP WIDTH='60'>\$academic"; echo "<TD VALIGN=TOP WIDTH='80'>\$papers"; echo "<TD VALIGN=TOP WIDTH='80'>\$expectations"; echo "<TD WIDTH='40'>Edit"; echo "<TD WIDTH='60'>Delete"; echo "</TR></TABLE>"; } ?> </TR> </TABLE> <p /> <?php echo "Total Number of Respondents: ".mysql_num_rows(\$result); ?> </body> </html> </pre>	<pre> <-- Link to editrespondent.php <-- Link to deleterrespondent.php <-- End the table rows for the Data <-- Shows the Total </pre>
---	---

- * Save the file **admin.php**
- * Upload **admin.php** to: your.domain.com/beasurvey
- * Check the page at: <http://your.domain.com/beasurvey/admin.php>

The Administration Page should look like the following:

BEA2004 Survey Administration

* [ADD a New Respondent](#)

* [SEARCH for a Respondent](#)

Respondents by Category

- * [Student Respondents](#)
- * [Faculty Respondents](#)
- * [Industry Respondents](#)

Complete List of Respondents

[Order by ID](#) | [Order by Last Name](#) | [Order by First Name](#) | [Order by Category](#) | [Order by First BEA?](#) | [Order by Exhibits](#) | [Order by TDR](#) | [Order by Apple](#) | [Order by Avid](#) | [Order by Festival](#) | [Order by Academic](#) | [Order by Papers](#) | [Order by Expectations](#)

ID	Last Name	First Name	Category	First BEA?	Exhibits	TDR	Apple	Avid	Festival	Academic Panels	Competitive Papers	Expectations		
3	Johnson	Peter	industry	0	10	6	8	7	5	4	4	5	Edit	Delete
4	Mulligan	Mary	student	1	6	7	5	5	10	3	4	5	Edit	Delete
2	Newman	Sarah	faculty	0	8	4	7	8	6	5	8	4	Edit	Delete
1	Schnoogieheimer	Elmo	student	1	6	6	8	8	7	9	9	5	Edit	Delete
5	Stoner	Mark	faculty	0	6	6	7	7	8	9	7	4	Edit	Delete

Total Number of Respondents: 5

Done Internet

The Administration Page contains to links to pages we have not yet made. So, let's get on and create the remaining pages.

Adding Data

Even an administrator could add people to the database by simply filling out the form [survey.php](#) for each set of data that needs to be added. If that's suitable, you can skip the rest of this "Adding Data" section and go on to the next section on "Deleting Data."

You might want to have a confirmation message for the administrator to indicate the data entry was successful. You might also want to make it easier to add more entries by having an "Add Another Respondent Link."

* Create a new file in Dreamweaver and call it [addresspondent.php](#).

* In "Code View", insert the PHP script on the left below, between the <BODY> and </BODY> tags:

PHP Script	Explanation
<pre><?php if (isset(\$_POST['submit'])):</pre>	

```

<?php
$dbcnx = mysql_connect("streaming.smad.jmu.edu",
"username","yourpassword");
mysql_select_db("yourlastname",$dbcnx);

$firstname = $_POST['firstname'];
$lastname = $_POST['lastname'];
$category = $_POST['category'];
$first = $_POST['first'];
$exhibits = $_POST['exhibits'];
$tdr = $_POST['tdr'];
$apples = $_POST['apple'];
$avid = $_POST['avid'];
$festival = $_POST['festival'];
$academic = $_POST['academic'];
$papers = $_POST['papers'];
$expectations = $_POST['expectations'];

$sql = "INSERT INTO bea2004 SET
    firstname='$firstname',
    lastname='$lastname',
    category='$category',
    first='$first',
    exhibits='$exhibits',
    tdr='$tdr',
    apples='$apples',
    avid='$avid',
    festival='$festival',
    academic='$academic',
    papers='$papers',
    expectations='$expectations'";

if (@mysql_query($sql)) {
    echo('<p>New respondent added</p>');
} else {
    echo('<p>Error adding new respondent: ' .
        mysql_error() . '</p>');
}
?>
<p><a href="<?=$_SERVER['PHP_SELF']?>">Add another
Respondent</a></p>
<p><a href="admin.php">Back to the Administration Page</a></p>
<?php
else: // Allow the user to enter a new respondent
?>

<form action="<?=$_SERVER['PHP_SELF']?>" method="post" />
First Name: <input name="firstname" type="text" id="firstname" />
<br />
Last Name: <input name="lastname" type="text" id="lastname" />
<p />

```

<-- The **firstname** from the web form will go into a variable called **\$firstname**

<-- The **\$firstname** variable will place the results of the web form's **firstname** into the **firstname** cell of the MySQL table.

<-- **Allows us to come back to this page to add another respondent**

<-- This is essentially the <FORM> information from your **survey.php** page. You can copy and paste. Notice, that the tags

Did you attend BEA2004 as a faculty member, student, exhibitor or industry professional?


```
<select name="category" id="category" />
  <option value="faculty">Faculty</option />
  <option value="student">Student</option />
  <option value="exhibitor">Exhibitor</option />
  <option value="industry">Industry Professional</option />
</select />
```

<p />

Was this your first BEA convention?


```
<input name="first" type="radio" value="1" />
```

Yes


```
<input name="first" type="radio" value="0" />
```

No

<p />

On a 10 point scale, how valuable were the following events? (i.e. 1=not valuable, 10=extremely valuable)

Exhibit Hall


```
<select name="exhibits" id="exhibits" />
  <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 />
  <option value="7">7</option />
  <option value="8">8</option />
  <option value="9">9</option />
  <option value="10">10</option />
</select />
```


Technology Demonstration Room


```
<select name="tdr" id="tdr" />
  <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 />
  <option value="7">7</option />
  <option value="8">8</option />
  <option value="9">9</option />
  <option value="10">10</option />
</select />
```


Apple Hands-On Classroom


```
<select name="apple" id="apple" />
  <option value="1">1</option />
  <option value="2">2</option />
  <option value="3">3</option />
```

must end with a />

```
<option value="4">4</option />
<option value="5">5</option />
<option value="6">6</option />
<option value="7">7</option />
<option value="8">8</option />
<option value="9">9</option />
<option value="10">10</option />
</select />
```

```
<br />
```

```
Avid Hands-On Classroom <br />
```

```
<select name="avid" id="avid" />
<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 />
<option value="7">7</option />
<option value="8">8</option />
<option value="9">9</option />
<option value="10">10</option />
</select />
```

```
<br />
```

```
BEA Festival of Media Arts <br />
```

```
<select name="festival" id="festival" />
<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 />
<option value="7">7</option />
<option value="8">8</option />
<option value="9">9</option />
<option value="10">10</option />
</select />
```

```
<br />
```

```
Academic Panel Sessions <br />
```

```
<select name="academic" id="academic" />
<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 />
<option value="7">7</option />
<option value="8">8</option />
<option value="9">9</option />
<option value="10">10</option />
</select />
```

```
<br />
```

```

Competitive Paper Sessions <br />
<select name="papers" id="papers" />
  <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 />
  <option value="7">7</option />
  <option value="8">8</option />
  <option value="9">9</option />
  <option value="10">10</option />
</select />

<p />
I would say that the BEA2004 convention lived up to my
expectations. (1=strongly disagree, 2=disagree, 3=unsure, 4=agree,
5=strongly agree)
<br />
<select name="expectations" id="expectations" />
  <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 />
</select />
<p />
<input type="submit" name="submit" value="SUBMIT" />
<p />
</form />

<?php endif; ?>

```

- * Save the file **addrespondent.php**
- * Upload **addrespondent.php** to: your.domain.com/beasurvey
- * Check the page by using the [ADD a New Respondent Link](http://your.domain.com/beasurvey/admin.php) at: <http://your.domain.com/beasurvey/admin.php>

Deleting Data

Deleting data isn't difficult, but one wants to make sure the administrator gets the opportunity to confirm their intention to delete. This is deletion page is a pretty simple bit of PHP.

- * Create a new file in Dreamweaver and call it **deleterespondent.php**.
- * In "Code View", insert the PHP script on the left below, between the <BODY> and </BODY> tags:

```

<?php
$dbcnx = mysql_connect("streaming.smad.jmu.edu",

```

```

"username","yourpassword");
mysql_select_db("yourlastname",$dbcnx);
$id=$_GET['id'];

if($_GET["confirm"] == "yes") {
    $ok1=mysql_query("DELETE FROM bea2004 WHERE
id='$id'");
    if ($ok1) {
        echo('<p>Respondent deleted successfully</p>');
    } else {
        echo('<p>Error deleting respondent from database</p>');
    }
}
else echo "Confirm deletion of row with an ID of $id? <a
href=\"deleterespondent.php?id=$id&confirm=yes\">Yes</a>";
?>
<p><a href="admin.php">Back to the Administration Page</a></p>

```

- * Save the file **deleterespondent.php**
- * Upload **deleterespondent.php** to: [your.domain.com/beasurvey](#)
- * Check the page by clicking on **Delete** next to an entry at: <http://your.domain.com/beasurvey/admin.php>

Editing Data

- * Create a new file in Dreamweaver and call it **editrespondent.php**.
- * In “Code View”, use the text below:

```

<html>
<head>
<title>Edit a Respondent</title>
</head>
<body>
<?php
$dbcnx = mysql_connect("streaming.smad.jmu.edu",
"username","yourpassword");
mysql_select_db("yourlastname",$dbcnx);

if (isset($_POST['submit'])):

$firstname=$_POST['firstname'];
$lastname=$_POST['lastname'];
$category=$_POST['category'];
$first=$_POST['first'];
$exhibits=$_POST['exhibits'];
$tdr=$_POST['tdr'];
$apple=$_POST['apple'];
$avid=$_POST['avid'];
$festival=$_POST['festival'];
$academic=$_POST['academic'];

```

```

$papers=$_POST['papers'];
$expectations=$_POST['expectations'];
$id = $_POST['id'];

$sql = "UPDATE bea2004 SET
    firstname='$firstname',
    lastname='$lastname',
    category='$category',
    first='$first',
    exhibits='$exhibits',
    tdr='$tdr',
    apple='$apple',
    avid='$avid',
    festival='$festival',
    academic='$academic',
    papers='$papers',
    expectations='$expectations'
    WHERE id='$id'";
if (@mysql_query($sql)) {
    echo('<p>Respondent edited</p>');
} else {
    echo('<p>Error editing respondent: ' .
        mysql_error() . '</p>');
}
?>
<p><a href="admin.php">Back to the Administration Page</a></p>
<?php
else: // Allow the user to edit another respondent
$id = $_GET['id'];
$respondent=@mysql_query("SELECT * FROM bea2004 WHERE
id='$id'");
if (!$respondent) {
    die('<p>Error fetching respondent details: ' .
        mysql_error() . '</p>');
}

$respondent = mysql_fetch_array($respondent);

    $firstname = $respondent['firstname'];
    $lastname = $respondent['lastname'];
    $category = $respondent['category'];
    $first = $respondent['first'];
    $exhibits = $respondent['exhibits'];
    $tdr = $respondent['tdr'];
    $apple = $respondent['apple'];
    $avid = $respondent['avid'];
    $festival = $respondent['festival'];
    $academic = $respondent['academic'];
    $papers = $respondent['papers'];
    $expectations = $respondent['expectations'];

```

<pre> \$firstname = htmlspecialchars(\$firstname); \$lastname = htmlspecialchars(\$lastname); \$category = htmlspecialchars(\$category); \$first = htmlspecialchars(\$first); \$exhibits = htmlspecialchars(\$exhibits); \$tdr = htmlspecialchars(\$tdr); \$apple = htmlspecialchars(\$apple); \$avid = htmlspecialchars(\$avid); \$festival = htmlspecialchars(\$festival); \$academic = htmlspecialchars(\$academic); \$papers = htmlspecialchars(\$papers); \$expectations = htmlspecialchars(\$expectations); ?> <form action="<?=\$_SERVER['PHP_SELF']?>" method="post"> <p>Edit the Respondent:
 First Name: <input name="firstname" type="text" value="<?=\$firstname?>" size="20" maxlength="255" />
 Last Name: <input name="lastname" type="text" value="<?=\$lastname?>" /><p /> Category: <input name="category" type="text" value="<?=\$category?>" /><p /> First BEA Convention?: <select name="first"> <?php for(\$i = 0; \$i <= 1; \$i++) { echo "\n<option value='\".\$i.\"'"; if(\$first == \$i) echo " selected"; echo ">\".\$i."</option>"; } ?> </select>
 Exhibit Rating: <select name="exhibits"> <?php for(\$i = 1; \$i <= 10; \$i++) { echo "\n<option value='\".\$i.\"'"; if(\$exhibits == \$i) echo " selected"; echo ">\".\$i."</option>"; } ?> </select>
 TDR Rating: <select name="tdr"> <?php for(\$i = 1; \$i <= 10; \$i++) { echo "\n<option value='\".\$i.\"'"; </pre>	<p><-- To populate text boxes (Change the info in red)</p> <p><-- To populate drop-down menus</p> <p>\$i = 0; is the lowest value \$i <= 1; is the highest value</p> <p>\$i = 1; is the lowest value \$i <= 10; is the highest value</p>
---	---

```
        if($tdr == $i) echo " selected";
        echo ">".$i."</option>";
    }
    ?>
</select>
<BR />
Apple Rating:
<select name="apple">
<?php
for($i = 1; $i <= 10; $i++) {
    echo "\n<option value=\"\". $i. \"\"";
    if($apple == $i) echo " selected";
    echo ">".$i."</option>";
}
?>
</select>
<BR />
Avid Rating:
<select name="avid">
<?php
for($i = 1; $i <= 10; $i++) {
    echo "\n<option value=\"\". $i. \"\"";
    if($avid == $i) echo " selected";
    echo ">".$i."</option>";
}
?>
</select>
<BR />
Festival Rating:
<select name="festival">
<?php
for($i = 1; $i <= 10; $i++) {
    echo "\n<option value=\"\". $i. \"\"";
    if($festival == $i) echo " selected";
    echo ">".$i."</option>";
}
?>
</select>
<BR />
Academic Panels Rating:
<select name="academic">
<?php
for($i = 1; $i <= 10; $i++) {
    echo "\n<option value=\"\". $i. \"\"";
    if($academic == $i) echo " selected";
    echo ">".$i."</option>";
}
?>
</select>
<BR />
Competitive Papers Rating:
```

<pre> <select name="papers"> <?php for(\$i = 1; \$i <= 10; \$i++) { echo "\n<option value=\"".\$i."\""; if(\$papers == \$i) echo " selected"; echo ">".\$i."</option>"; } ?> </select>
 Expectations Rating: <select name="expectations"> <?php for(\$i = 1; \$i <= 5; \$i++) { echo "\n<option value=\"".\$i."\""; if(\$expectations == \$i) echo " selected"; echo ">".\$i."</option>"; } ?> </select>
 <p /> <input type="hidden" name="id" value="<?=\$id?>" /><p> <input type="submit" name="submit" value="SUBMIT" /> <p /> </form /> <?php endif; ?> </body> </html> </pre>	
---	--

- * Save the file **editrespondent.php**
- * Upload **editrespondent.php** to: your.domain.com/beasurvey
- * Check the page by clicking on **Edit** next to an entry at: <http://your.domain.com/beasurvey/admin.php>

Searching for Respondents

This page will let us search by firstname, lastname or category. It will also display search results for those items. We'll also include a feature where once the results are retrieved, a link will take us to a page where we can immediately edit the records.

- * Create a new file in Dreamweaver and call it **searchrespondent.php**.
- * In "Code View", use the text below:

<pre> <?php \$dbcnx = mysql_connect("streaming.smad.jmu.edu", "standers","groucho32"); mysql_select_db("bea",\$dbcnx); </pre>	
--	--

```

?>
<table border='0'>
<tr>
<td class="big"><strong>Search</strong></td>
</tr>
<tr>
<td>
<form method="GET" action="searchrespondent.php">
<input type=hidden name=search value="search">
<input type=text name="q" maxlength=255 size=30?>?php
if(isset($_GET["q"])) print " value=\"".$_GET["q"]."\"";?>
<select name="type">
    <option value="firstname"<?php if($_GET["type"] ==
"firstname") echo " SELECTED"; ?>>First Name</option>
    <option value="lastname"<?php if($_GET["type"] == "lastname")
echo " SELECTED"; ?>>Last Name</option>
    <option value="category"<?php if($_GET["type"] == "category")
echo " SELECTED"; ?>>Category</option>
    <option value="id"<?php if($_GET["type"] == "id") echo "
SELECTED"; ?>>ID</option>
</select>
<input type="submit" value="Search">
</form>
</td>
</tr>
</table>

<?php
if(!empty($_GET["q"])) {
    echo "<strong>Search Results:</strong><br />";
    $sortField = "id";
    $order = "ASC";
    $type = $_GET["type"];
    $q = addslashes($_GET["q"]);
    $q = explode("+", $q);
    $query = "SELECT * FROM bea2004 WHERE 1=1";
    foreach($q AS $q) {
        $query .= " AND ".$type." LIKE '%$q%'";
    }
    $query .= " ORDER BY ".$sortField." ".$order;

    $result = mysql_query($query);
    while($row = mysql_fetch_array($result)) {

        echo "<a
href='editrespondent.php?id=".$_row["id"]."'">".$_row["id"]."</a> -
".$_row["firstname"]." ".$_row["lastname"].", ".$_row["category"]."<br
/>\n";
    }
}

```

<-- Add more lines for other drop down selections to search other categories

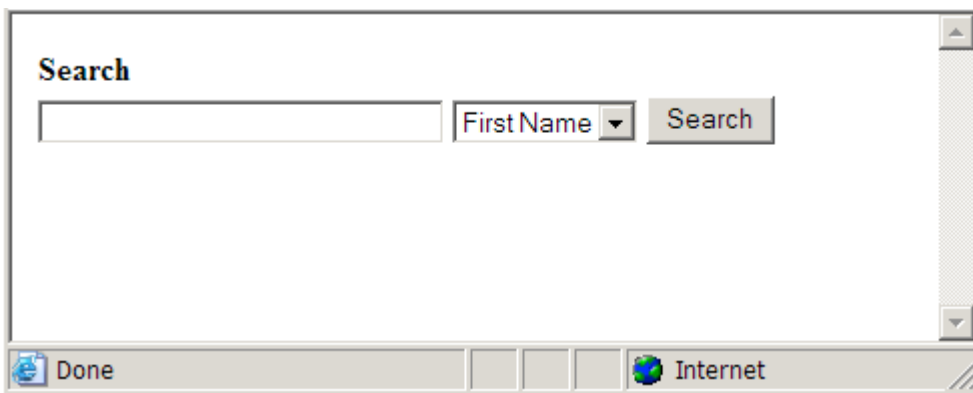
<-- This is a link to edit the information

<-- These lines indicate which fields you want to

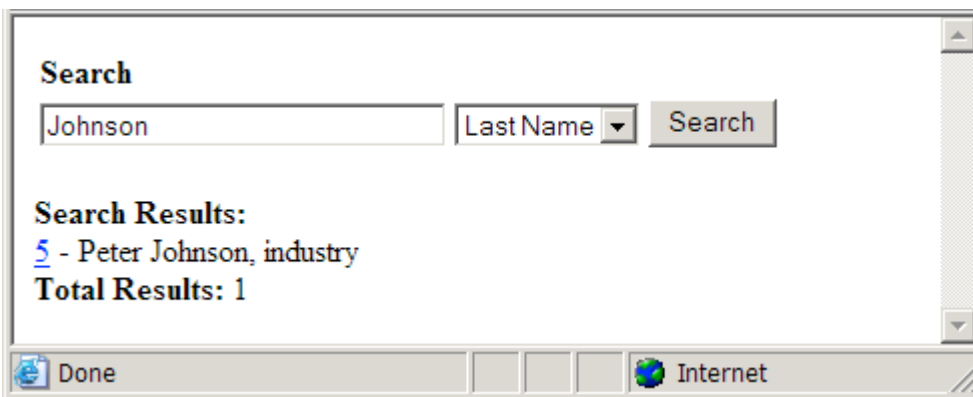
<pre>echo "Total Results:".mysql_num_rows(\$result); } ?></pre>	display as search results
---	----------------------------------

- * Save the file **searchrespondent.php**
- * Upload **searchrespondent.php** to: your.domain.com/beasurvey
- * Check the page by using the **SEARCH** for a New Respondent Link at: <http://your.domain.com/beasurvey/admin.php>

The search feature will initially look like this:



After the search, results should look like below. Notice that you can click on the ID for the search result to edit, if desired.



- * Check all of the pages again at: <http://your.domain.com/beasurvey/admin.php>