Creating a Simple Discussion Forum

Lesson 10a

In this lesson, you'll learn the design process behind a simple discussion forum. This includes developing the database tables, user input forms, and display of the results. When broken into pieces like this, such a task seems quite simple and it is! The ultimate goal is to understand the concepts and relationships that go into making something like a discussion forum, not to create the world's most full-functioned system in fact, you'll see it's quite sparse, but it sure is relational.

In this lesson, you will learn

• How to create the tables, input forms, and display of a simple discussion forum

Designing the Database Tables

Think of the basic components of a forum: topics and posts. A forum if properly used by its patrons should have several topics, and each of those topics will have one or more posts submitted by users. Knowing that, you should realize that the posts are tied to the topics through a key field. This key forms the relationship between the two tables.

Think about the requirements for the topics themselves. You definitely need a field for the title, and subsequently you may want fields to hold the creation time and the identification of the user who created the topic. Similarly, think of the requirements for the posts: You'll want to store the text of the post, the time it was created, and the person creating it. Most importantly, you need that key to tie the post to the topic.

The following two table creation statements create these tables, called forum_topics and forum_posts:

```
mysql> create table forum_topics (
    -> topic_id int not null primary key auto_increment,
    -> topic_title varchar (150),
    -> topic_create_time datetime,
    -> topic_owner varchar (150)
    -> );
Query OK, 0 rows affected (0.03 sec)
mysql> create table forum_posts (
    -> post_id int not null primary key auto_increment,
    -> topic_id int not null,
    -> post_text text,
    -> post_create_time datetime,
    -> post_owner varchar (150)
    -> );
Query OK, 0 rows affected (0.00 sec)
```

NOTE:

In this simple forum example, we will identify users by their email addresses and not require any sort of login sequence.

You should now have two empty tables, waiting for some input. In the next section, you'll create the input forms for adding a topic and a post.

Creating the Input Forms and Scripts

Before you can add any posts, you must add a topic to the forum. It is common practice in forum creation to add the topic and the first post in that topic at the same time. From a user's point of view, it doesn't make much sense to add a topic and then go back, select the topic, and add a reply. You want the process to be as smooth as possible.

Listing 1 shows the form for a new topic creation, which includes a space for the first post in the topic.

Listing 1. Form for Adding a Topic

```
1: <html>
 2: <head>
 3: <title>Add a Topic</title>
 4: </head>
 5: <body>
 6: <h1>Add a Topic</h1>
 7: <form method=post action="do addtopic.php">
 8: <strong>Your E-Mail Address:</strong><br>
 9: <input type="text" name="topic owner" size=40 maxlength=150>
10: <strong>Topic Title:</strong><br>
11: <input type="text" name="topic title" size=40 maxlength=150>
12: <P><strong>Post Text:</strong><br>
13: <textarea name="post_text" rows=8 cols=40</pre>
wrap=virtual></textarea>
14: <P><input type="submit" name="submit" value="Add Topic">
15: </form>
16: </body>
17: </html>
```

Seems simple enough the three fields shown in the form, which you can see in Figure 1, are all you need to complete both tables; your script and database can fill in the rest. Save Listing 1 as something like addtopic.html and put it in your Web server document root so that you can follow along.

Figure 1. The topic creation form.

le <u>E</u> dit <u>View Go</u> <u>B</u> ookmarks <u>T</u> ools <u>H</u> elp - - - Reload Stop Home <u>http://localhost/addtopic.html</u>	18
	<u> </u>
Add a Topic	
our E-Mail Address:	
opic Title:	
Post Text:	
Add Topic	[<u>]</u> (0) (€ 1

To create the entry in the forum_topics table, you use the values from the \$_POST[topic_title] and \$_POST[topic_owner] variables from the input form. The topic_id and topic_create_time fields will be automatically incremented and added via the now() MySQL function, respectively.

Similarly, in the forum_posts table, you use the values of <code>\$_POST[post_text]</code> and <code>\$_POST[topic_owner]</code> from the input form, and the <code>post_id</code>, <code>post_create_time</code>, and the <code>topic_id</code> fields will be automatically incremented or otherwise supplied. Because you need a value for the <code>topic_id</code> field to be able to complete the entry in the <code>forum_posts</code> table, you know that query must happen after the query to insert the record in the <code>forum_topics</code> table.

Listing 2 creates the script to add these records to the table.

Listing .2. Script for Adding a Topic

```
1: <?php
 2: //check for required fields from the form
 3: if ((!$_POST[topic_owner]) || (!$_POST[topic title])
 4:
       || (!$_POST[post_text])) {
 5:
       header("Location: addtopic.html");
 6:
       exit;
 7: }
 8:
 9: //connect to server and select database
10: $conn = mysql connect("localhost", "joeuser", "somepass")
11: or die (mysql error());
12: mysql select db("testDB", $conn) or die(mysql error());
13:
14: //create and issue the first query
15: $add topic = "insert into forum topics values ('',
'$ POST[topic title]',
      now(), '$ POST[topic owner]')";
16:
17: mysql query($add topic,$conn) or die(mysql error());
18:
19: //get the id of the last query
20: $topic_id = mysql_insert_id();
21:
22: //create and issue the second query
23: $add post = "insert into forum posts values ('', '$topic id',
       '$ POST[post text]', now(), '$ POST[topic owner]')";
24:
25: mysql query($add post,$conn) or die(mysql error());
26:
27: //create nice message for user
28: $display block = "<P>The <strong>$topic title</strong> topic has
been created.";
29: ?>
30: <html>
31: <head>
32: <title>New Topic Added</title>
33: </head>
34: <body>
35: <h1>New Topic Added</h1>
36: <?php echo $display block; ?>
37: </body>
38: </html>
```

Lines 3 - 7 check for the three required fields we need to complete both tables the topic owner, a topic title, and some text for the post. If either one of these fields is not present, the user is redirected to the original form.

Lines 10 - 12 form the database connection, which should be familiar to you by now. Lines 15 - 17 create and insert the first query, which adds the topic to the forum_topics table. Note that the first field is left blank, so the automatically incrementing value is added by the system per the original table definition. The MySQL now() function is used to time stamp the record with the current time, at insertion. The other fields in the record are completed using values from the form. Line 20 shows the use of a very handy function: mysql_insert_id(). This function retrieves the primary key ID of the last record inserted into the database by this script. In this case, mysql_insert_id() gets the id value from the forum_topics table, which will become the entry for the topic_id field in the forum_posts table.

Lines 23 - 25 create and insert the second query, again using a mixture of information known and supplied by the system. The second query adds the text of the user's post to the forum_posts table. Line 28 simply creates a display string for the user, and the rest of the script rounds out the display.

Save this listing as do_addtopic.phpthe name of the action in the previous script and place it in the document root of your Web server. Complete the form and then submit it, and you should see the New Topic Added message. Figures 2 and 3 show the sequence of events.

🕲 Add a Topic - Mozilla Firefox	>
<u>File Edit View Go B</u> ookmarks <u>T</u> ools <u>H</u> elp	
	ml
Add a Topic	1
∎ Your E-Mail Address:	
julie@thickbook.com	
Topic Title:	
A Test Topic	
Post Text:	
This is a sample post.	1
Very, very exciting stuff!	
]
Add Topic	-
Done	(0) (i 1

Figure 2. Adding a topic and first post.

Figure 3. Successful addition of a topic and first post.



In the next section, you'll put together two more pieces of the puzzle: displaying the topics and posts, and replying to a topic.

Displaying the Topic List

Now that you have a topic and at least one post in your database, you can display this information and let people add new topics or reply to existing ones. In Listing 3, we take a step back and create a page that will list all the topics in the forum. This page will show the basic information of each topic and provide the user with a link to add a new topic; you have already created the form and script for that. The code in Listing 3 represents an entry page for your forum.

Although Listing 3 looks like a lot of code, it's actually many small, simple concepts you've already encountered, starting with the database connection code in lines 35.

Listing 3. Topic Listing Script

```
1: <?php
 2: //connect to server and select database
 3: $conn = mysql connect("localhost", "joeuser", "somepass")
       or die(mysql error());
 4:
 5: mysql select db("testDB",$conn) or die(mysql error());
 6:
 7: //gather the topics
 8: $get topics = "select topic id, topic title,
 9: date_format(topic create time, '%b %e %Y at %r') as
fmt topic create time,
10: topic owner from forum topics order by topic create time desc";
11: $get topics res = mysql query($get topics,$conn) or
die(mysql error());
12: if (mysql_num_rows($get_topics_res) < 1) {</pre>
13:
      //there are no topics, so say so
14:
      $display block = "<P><em>No topics exist.</em>";
15: } else {
16:
       //create the display string
       $display block = "
17:
18:
       19:
       TOPIC TITLE
20:
21:
       # of POSTS
22:
       ";
23:
24:
        while ($topic_info = mysql_fetch_array($get_topics_res)) {
25:
           $topic id = $topic info['topic id'];
           $topic title = stripslashes($topic info['topic title']);
26:
27:
           $topic create time =
$topic info['fmt topic create time'];
28:
           $topic owner = stripslashes($topic info['topic owner']);
29:
30:
           //get number of posts
           $get num posts = "select count(post id) from forum posts
31:
32:
                where topic_id = $topic_id";
33:
           $get num posts res = mysql query($get num posts,$conn)
34:
                or die(mysql error());
35:
           $num posts =
mysql_result($get_num_posts_res,0,'count(post_id)');
36:
37:
           //add to display
38:
           $display block .= "
39:
           40:
           <a href=\"showtopic.php?topic id=$topic id\">
41:
                <strong>$topic_title</strong></a><br>
42:
           Created on $topic create time by $topic owner
43:
           $num posts
44:
           ";
45:
      }
46:
47:
      //close up the table
48:
      $display block .= "";
49: }
50: ?>
51: <html>
52: <head>
```

```
53: <title>Topics in My Forum</title>
54: </head>
55: <body>
56: <hl>Topics in My Forum</hl>
57: <?php echo $display_block; ?>
58: <P>Would you like to <a href="addtopic.html">add a topic</a>?
59: </body>
60: </html>
```

Lines 8 - 10 show the first of the database queries, and this particular one selects all the topic information, in order by descending date. In other words, gather the data in such a way that the topic that was created most recently will appear at the top of the list. In the query, notice the use of the date_format() function to create a much nicer date display than the raw value stored in the database.

Line 12 checks for the presence of any records returned by the query. If no records are returned, and therefore no topics are in the table, you'll want to tell the user. Line 14 creates this message. At this point, if no topics existed, the script would break out of the *if...else* construct and be over with; the next action would occur at line 51, which is the start of the static HTML. If the script ended here, the message created in line 14 would be printed in line 57, and you would see something like Figure 4.

Figure 4. No topics found.



If, however, you have topics in your forum_topics table, the script continues at line 15. At line 17, a block of text is assigned to the <code>\$display_block</code> variable, containing the beginnings of an HTML table. Lines 18 - 22 set up a table with two columns: one for the title and one for the number of posts. At line 24, we begin to loop through the results of the original query.

The while loop in line 24 says that while there are elements to be extracted from the result set, extract each row as an array called stopic_info, and use the field names as the array element to assign the value to a new variable. So, the first element we try to extract is the topic_id field, on line 25. We assign the value of stopic_info['topic_id'] to the stopic_id variable, meaning that we get a local value for stopic_id from an array called stopic_info, containing a field called topic_id. Continue doing this for the stopic_title, stopic_create_time, and stopic_owner variables in lines 26 - 28. The stripslashes() function removes any escape characters that were input into the table at the time of record insertion.

In lines 31 - 35 we issue another query, in the context of the while loop, to get the number of posts for that particular topic. In line 38, we continue the creation of the \$display_block string, using the concatenation operator (.=) to make sure this string is tacked on to the end of the display string we have built so far. In line 40, we create the HTML table column to display the link to the file that will show the topic (showtopic.php), and also print the topic owner and creation time.

The second HTML table column, on line 43, shows the number of posts. On line 45, we break out of the while loop, and in line 48 add the last bit to the <code>\$display_block</code> string to close the table. The remaining lines print the HTML for the page, including the value of the <code>\$display_block</code> string.

If you save this file as topiclist.php and place it in your Web server document root, and if you have topics in your database tables, you may see something like Figure 5.

Figure 5. Topics are available.

<u>File Edit View Go Bookmarks Tools Help</u>	
G + G O G Home Home http://localhost/topiclist.php	ļ
Topics in My Forum	
TOPIC TITLE	# of POSTS
A Test Topic Created on Sep 10 2012 at 06:43:45 AM by julie@thickbook.com	1

Displaying the Posts in a Topic

As you may have guessed, the next item on the task list is to build that showtopic.php file, to show the topic's postings. Listing 4 does just that. In this listing, lines 36 check for the existence of a value for topic_id in the GET query string. Because we intend to show all the posts within a selected topic, we need to know which topic to use in our query, and this is the manner in which the information is given to us. If a value in \$_GET[topic_id] does not exist, the user is redirected back to the topic listing page, presumably to try again.

If the script makes it past the check for *s_GET[topic_id]*, lines 9 - 11 make the connection to the database, in preparation for issuing queries.

Listing 4. Script to Show Topic Posts

```
1: <?php
 2: //check for required info from the query string
 3: if (!$_GET[topic_id]) {
 4 :
      header("Location: topiclist.php");
 5:
       exit;
 6: }
 7:
 8: //connect to server and select database
9: $conn = mysql connect("localhost", "joeuser", "somepass")
10: or die(mysql error());
11: mysql_select_db("testDB",$conn) or die(mysql_error());
12:
13: //verify the topic exists
14: $verify_topic = "select topic_title from forum_topics where
     topic_id = $_GET[topic_id]";
15:
16: $verify_topic_res = mysql_query($verify_topic, $conn)
17:
      or die(mysql error());
18:
19: if (mysql_num_rows($verify_topic_res) < 1) {</pre>
20:
       //this topic does not exist
       $display block = "<P><em>You have selected an invalid topic.
21:
```

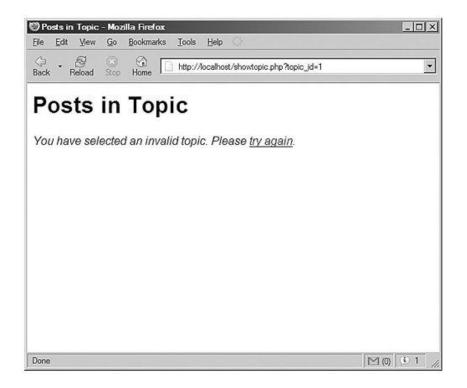
Page 10 of 17

```
22:
       Please <a href=\"topiclist.php\">try again</a>.</em>";
23: } else {
24:
       //get the topic title
      $topic_title = stripslashes(mysql_result($verify_topic res,0,
25:
             'topic title'));
26:
27:
28:
       //gather the posts
29:
       $get posts = "select post id, post text,
date_format(post_create_time,
30:
             '%b %e %Y at %r') as fmt_post_create_time, post_owner from
31:
             forum posts where topic id = $ GET[topic id]
32:
             order by post_create_time asc";
33:
34:
       $get_posts_res = mysql_query($get_posts,$conn) or
die(mysql_error());
35:
36:
       //create the display string
       $display block = "
37:
38:
       <P>Showing posts for the <strong>$topic title</strong> topic:
39:
40:
       41:
       AUTHOR
42:
43:
       POST
44:
       ";
45:
       while ($posts_info = mysql_fetch_array($get posts res)) {
46:
           $post id = $posts info['post id'];
47:
           $post text = nl2br(stripslashes($posts_info['post_text']));
48:
49:
           $post create time = $posts info['fmt post create time'];
50:
          $post owner = stripslashes($posts info['post owner']);
51:
52:
           //add to display
53:
          $display_block .= "
54:
          <t.r>
55:
          $post owner<br>[$post create time]
56:
          $post_text<br><br>
57:
           <a href=\"replytopost.php?post_id=$post_id\"><strong>REPLY_TO
58:
          POST</strong></a>
59:
           ";
60:
       }
61:
62:
       //close up the table
       $display_block .= "";
63:
64: }
65: ?>
66: <html>
67: <head>
68: <title>Posts in Topic</title>
69: </head>
70: <body>
71: <h1>Posts in Topic</h1>
72: <?php echo $display block; ?>
73: </body>
74: </html>
```

Lines 14 - 17 show the first of these queries, and this one is used to validate that the topic_id sent in the query string is actually a valid entry, by selecting the associated topic_title for the topic in question. If the validation fails the test in line 19, a message is created in lines 21 - 22, and the script breaks out of the if...else statement and finishes up by printing HTML.

This output looks like Figure 6.

Figure 6. Invalid topic selected.



If, however, the topic is valid, we extract the value of $topic_title$ in line 25, again using stripslashes() to remove any escape characters. Next, a query is issued in lines 29 - 32 to gather all the posts associated with that topic, in ascending order by time. In this case, newest posts are at the bottom of the list. At line 37, a block of text is started, containing the beginnings of an HTML table. Lines 40 - 44 set up a table with two columns: one for the author of the post and one for the post text itself. We stop writing the text block momentarily and at line 46 we begin to loop through the results of the original query.

The while loop in line 46 says that while there are elements to be extracted from the result set, extract each row as an array called <code>\$posts_info</code>, and use the field names as the array element to assign the value to a new variable. So, the first element we try to extract is the <code>post_id</code> field, on line 47. We assign the value of <code>\$posts_info['post_id']</code> to the variable <code>\$post_id</code>, meaning that we get a local value for <code>\$post_id</code> from an array called <code>\$posts_info</code>, containing a field called <code>post_id</code>. Continue doing this for the <code>\$post_text</code>, <code>\$post_create_time</code>, and <code>\$post_owner</code> variables in lines 4850. The <code>stripslashes()</code> function is again used to remove any escape characters, and the <code>nl2br()</code> function is used on the value of <code>\$posts_info[post_text]</code>, to replace all newline characters with XHTML-compliant linebreak characters.

In line 53, we continue to write to the <code>\$display_block</code> string, using the concatenation operator (.=) to make sure this string is tacked on to the end of the string we have created so far. In line 54, we create the HTML table column to display the author and creation time of the post. The second HTML table row, on line 56,

shows the text of the post as well as a link to reply to the post. On line 60, we break out of the while loop and on line 63 add the last bit to the <code>\$display_block</code> string to close the table. The remaining lines print the HTML for the page, including the value of the <code>\$display_block</code> string.

If you save this file as showtopic.php, place it in your Web server document root, and if you have posts in your database tables, you may see something like Figure 7.

Figure 7. Posts in a topic.

💙 Posts in Topic - Mozilla Firefox		_ 🗆 ×
	is <u>H</u> elp	
Back Reload Stop Home http	o://localhost/showtopic.php?topic_id=1	×
Posts in Topic		
Showing posts for the A Test To		
AUTHOR	POST	
julie@thickbook.com [Sep 10 2012 at 06:43:45 AM]	This is a sample post. Very, very exciting stuff!	
	REPLY TO POST	
2	2	
Done		M(0) (4) 1

A one-post topic is boring, so let's finish up this lesson by creating the script to add a post to a topic.

Adding Posts to a Topic

In this final step, you will create the replytopost.php script, which contains code that looks quite similar to the script used to add a new topic. Listing 5 shows the code for this all-in-one form and script, which begins with the database connection in lines 35. Although the script performs different tasks depending on the status of the form (whether it's being shown or submitted), both conditions require database interaction at some point.

Listing 5. Script to Add Replies to a Topic

```
1: <?php
2: //connect to server and select database; we'll need it soon
3: $conn = mysql_connect("localhost", "joeuser", "somepass")
4: or die(mysql_error());
5: mysql_select_db("testDB",$conn) or die(mysql_error());
6:
7: //check to see if we're showing the form or adding the post
8: if ($ POST[op] != "addpost") {
```

Page 13 of 17

```
9:
       // showing the form; check for required item in query string
10:
       if (!$ GET[post id]) {
11:
            header("Location: topiclist.php");
12:
            exit;
13:
       }
14:
15:
          //still have to verify topic and post
16:
       $verify = "select ft.topic id, ft.topic title from
17:
        forum_posts as fp left join forum_topics as ft on
18:
        fp.topic_id = ft.topic_id where fp.post_id = $_GET[post_id]";
19:
20:
       $verify res = mysql query($verify, $conn) or
die(mysql error());
21:
        if (mysql num rows($verify res) < 1) {
22:
           //this post or topic does not exist
23:
           header("Location: topiclist.php");
24:
           exit;
25:
       } else {
26:
           //get the topic id and title
27:
           $topic id = mysql result($verify res,0,'topic id');
28:
           $topic title = stripslashes(mysql result($verify res,
29:
            0,'topic title'));
30:
31:
           echo "
32:
           <html>
33:
           <head>
34:
           <title>Post Your Reply in $topic title</title>
35:
           </head>
36:
           <body>
37:
           <h1>Post Your Reply in $topic title</h1>
           <form method=post action=\"$ SERVER[PHP SELF]\">
38:
39:
40:
           <strong>Your E-Mail Address:</strong><br>
41:
           <input type=\"text\" name=\"post owner\" size=40</pre>
maxlength=150>
42:
43:
           <P><strong>Post Text:</strong><br>
           <textarea name=\"post text\" rows=8 cols=40
44:
wrap=virtual></textarea>
45:
           <input type=\"hidden\" name=\"op\" value=\"addpost\">
46:
           <input type=\"hidden\" name=\"topic id\"
47:
value=\"$topic id\">
48:
           <P><input type=\"submit\" name=\"submit\" value=\"Add
Post\">
49:
           </form>
50:
           </body>
51:
           </html>";
52:
       }
53: } else if ($ POST[op] == "addpost") {
54:
       //check for required items from form
55:
       if ((!$ POST[topic id]) || (!$ POST[post text]) ||
56:
       (!$ POST[post owner])) {
57:
          header("Location: topiclist.php");
58:
          exit;
59:
       }
60:
61:
       //add the post
62:
       $add post = "insert into forum posts values ('',
'$ POST[topic id]',
63:
        '$ POST[post text]', now(), '$ POST[post owner]')";
```

Page 14 of 17

```
64: mysql_query($add_post,$conn) or die(mysql_error());
65:
66: //redirect user to topic
67: header("Location: showtopic.php?topic_id=$topic_id");
68: exit;
69: }
70: ?>
```

Line 8 checks to see whether the form is being submitted. If the value of $_POST[op]$ is not "addpost", the form has not yet been submitted and, therefore, it must be shown. Before showing the form, however, you must check for that one required item; lines 10 - 13 check for the existence of a value for post_id in the GET query string. If a value in $_GET[post_id]$ does not exist, the user is redirected back to the topic listing page.

If you made it past the check for a value in $_GET[topic_id]$, lines 17 - 20 issue a complicated-looking query that gets the values of the topic_id and topic_title fields from the forum_topics table, based on the only value that you know: the value of $_GET[post_id]$. This query both validates the existence of the post and gets information you will need later in the script. Lines 21 - 24 act on the results of this validity test, again redirecting the user back to the topiclist.php page if the test fails.

If the value of $_GET[post_id]$ represents a valid post, you extract the value of topic_id and topic_title in lines 27 - 29, again using stripslashes() to remove any escape characters. Next, the entirety of the form for adding a post is printed to the screen, and that's it for this script until the form submission button is clicked. In the form, you see that the action is $_SERVER[PHP_SELF]$ on line 38, indicating that this script will be recalled into action. Two hidden fields are present, in lines 46 and 47, which hold the information that needs to be passed along to the next iteration of the script.

Moving on to line 53, this block of code is executed when the script is reloaded and the value of <code>\$_POST[op]</code> (one of the hidden fields in the form) is "addpost". This block checks for the presence of all required fields from the form (lines 55 - 59) and then, if they are all present, issues the query to add the post to the database (lines 62 - 64). After the post is added to the database, the user is redirected to the showtopic.php page (lines 67 - 68), using the appropriate query string to display the active topic.

If you save this file as replytopost.php and place it in your Web server document root, try it out and you may see something like Figures 8 and 9.

🕲 Post Your Reply in A Test Topic - Mozilla Firefox	_ 🗆 ×
<u>File Edit View Go B</u> ookmarks <u>T</u> ools <u>H</u> elp	
Back - Beload Stop Home http://localhost/replytopost.php?post_id=1	
Post Your Reply in A Test	Горіс
Your E-Mail Address:	
jcmeloni@gmail.com	
Post Text:	
It was indeed a spectacular first post.	
Good job!	
Add Post	
Done	M(1) (€ 1

Figure 8. Preparing to add a post.

Figure 9. A post was added to the list.

is Help 7.//iocalhost/showtopic.php?topic_jd=1	<u>•</u>
opic topic:	
POST	
This is a sample post. Very, very exciting stuff! <u>REPLY TO POST</u>	
It was indeed a spectacular first post. Good job! REPLY TO POST	
	Popic topic: POST This is a sample post. Very, very exciting stuff! <u>REPLY TO POST</u> It was indeed a spectacular first post.

- **Q** What if I want multiple forums? This sequence assumes there is only one forum available.
- A If you want to have multiple forums in your discussion board, then create a table called forums (or something to that effect) containing fields for an ID, name, and perhaps a forum description. Then, in the forum_topics and forum_posts tables, add a field called forum_id so that these elements lower in the hierarchy are tied to the master forum. Be sure to amend the SQL queries for record insertion, to account for the value of the forum id.

Next, instead of starting your display at the topic level, begin it at the forum level. Just as you created a script to display topics, create a script to show the forums. The link to the forum display would contain the forum_id, and the page itself would show all the topics within that forum.

Workshop

The workshop is designed to help you anticipate possible questions, review what you've learned, and begin learning how to put your knowledge into practice.

Quiz

- 1. How is the topic ID value passed to the showtopic.php script?
- 2. What else, besides telling the user the topic was successfully added, could we do at the end of the do_addtopic.php script?

Answers

- 1. Through the \$_GET superglobal, named as the the value of \$_GET[topic_id].
- 2. Just like with the replytopost.php script, we could eliminate the message display and simply redirect the user to the topic they just created, showing their new topic and post in all its glory.

Activity

Given by your instructor.

Q&A