

ISTE240

Exercise – 07

PHP – Part 2 - MySQL

DUE at 11:59PM on Sunday April 10th, 2022

Part 1: Create A Database

Before you can write your php program you need a database with some data in it. You can do this by hand using the MySQL command line administrative tool, or with PHP, yet it is much simpler to add data using Adminer.

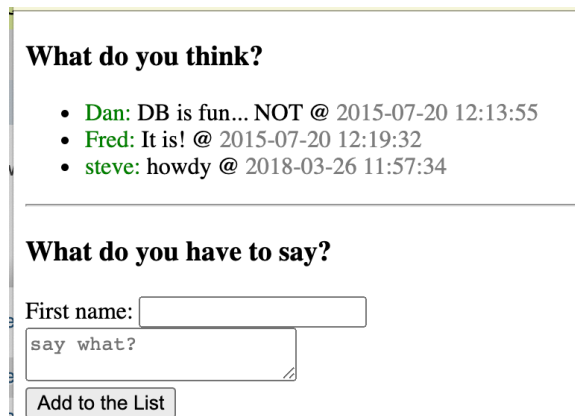
1. Start by creating a table called 'comments'. Give it 4 fields, an id, name, comment and last modified date. Make sure to set up the correct Type, Length, give the id an AUTO_INCREMENT. Try populating it with about 4-5 entries.
2. Manually check the data for consistency (for example, there should be no two people who have the same ID number and no comment that is not associated with a person).

Part 2: Do something with the data

1. Create an HTML page with a contact form. When the user presses the submit button save the information to the 'comments' database table.
2. Write a PHP script that accesses the data and prints it to a page.
 - Select all of the fields that are in the 'comments' table.
 - Use `$result->fetch_assoc()` to iterate through all returned records.
 - Print the results in an HTML table.
 - Add this script to the 'submit' function so that when the user presses submit, not only is this user's information saved, but then all other data is reported out to a table on the page.

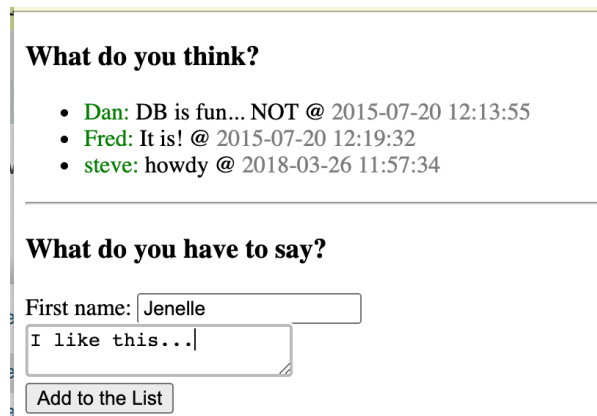
Example:

(Note this example has 4 fields of data)



The screenshot shows a web form titled "What do you think?". Below the title is a bulleted list of three comments: "Dan: DB is fun... NOT @ 2015-07-20 12:13:55", "Fred: It is! @ 2015-07-20 12:19:32", and "steve: howdy @ 2018-03-26 11:57:34". Below the list is another section titled "What do you have to say?". This section contains two input fields: "First name:" followed by an empty text box, and "say what?" followed by a larger text box containing the placeholder text "say what?". At the bottom of this section is a button labeled "Add to the List".

Figure 1 - comments.php as loaded.



The screenshot shows the same web form as Figure 1, but with the "First name:" field filled with "Jenelle" and the "say what?" field filled with "I like this...". The "Add to the List" button remains at the bottom.

Figure 2 - comments.php with addition of name and comment.



The screenshot shows the web form after the "Add to the List" button has been clicked. The bulleted list now contains four comments, including the new one: "Jenelle: I like this... @ 2020-07-17 12:57:29". The "What do you have to say?" section remains empty, with the "First name:" field and "say what?" field still empty, and the "Add to the List" button still present.

Figure 3 - comments.php after clicking the 'Add to the List' button!

Grading Rubric

Page displays table with all records in 'comments' table	10	10
Contact form saves submission to database	10	10
Total	20	20