Assignment help
PHP + MySQL crash course

Minpeng Zhu
Assignment

- Implement a web application for movie management with a movie database as data storage and a web front-end using the Linux-Apache-MySQL-PHP (LAMP) web development framework
- Check the course webpage for assignment details
- To be completed in groups (3-5)
- Deploy solution
  - See TA in the lab to get a MySQL account for your group
- Demo your solution during the scheduled labs or send solution (URL + source) by email to TA
Connecting to MySQL from PHP

```php
<?php
$hostname = "linne.it.uu.se";
$username = "...";
$password = "...";
$connection = mysql_connect($hostname, $username, $password)
    or die("Could not open connection to database");
?>
```

- Now the variable `$connection` contains the information for your connection to MySQL. You can disconnect using:

```php
<?php
mysql_close($connection)
    or die("Could not close connection to database");
?>
```
Once you have connected successfully, you should specify the database you will use. After that you can issue queries to the database.

```php
<?php
mysql_select_db("your DB name", $connection)
or die("Could not select database");
$result = mysql_query("select * from
some_table"); // No ; at the end
or die("Could not issue MySQL query");
?>
```

Now the variable `$result` holds the query resultset.
We have the following table of books, called **books**:

<table>
<thead>
<tr>
<th>book_name</th>
<th>publish_year</th>
<th>price</th>
<th>rating</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rädd att flyga</td>
<td>1975</td>
<td>174</td>
<td>5</td>
</tr>
<tr>
<td>SCUM Manifesto</td>
<td>1968</td>
<td>189</td>
<td>5</td>
</tr>
</tbody>
</table>

How can we access the data in this table from PHP?
Printing the results from a query

After issuing a query, retrieve and print the query result row by row from $result. E.g.

```php
<?php
include 'db.php'; // database connection php script
$result = mysql_query("select book_name, publish_year from books");

if (mysql_num_rows($result) == 0) {
    print("No results matching your query<br>\n");
} else {
    echo "<table border='1'>"; // define a html table
    // <th> Defines a header cell in a table
    // <tr> Defines a row in a table
    // <td> Defines a cell in a table
    echo "<tr><th>Book Name</th><th>Published year</th></tr>";
    while($row = mysql_fetch_row($result)) {
        echo "<tr><td>";
        echo $row[0];
        echo "</td><td>";
        echo $row[1];
        echo "</td></tr>";
    }
    echo "</table>";
    include 'closeDB.php';
}?>
```
• Create a HTML form:

```html
<form action="add_book.php" method="POST">
    <input type="text" name="book_name"><br>
    <input type="text" name="publish_year"><br>
    <input type="submit" value="Add Book">
</form>
```

• Then, in `add_book.php`, access the submitted values:

```php
<?php
    $book_name = $_POST["book_name"];
    $publish_year = $_POST["publish_year"];
    print("You entered $book_name and $publish_year");
?>
```
Drop down list

- Given the following table of book categories, called **category**

<table>
<thead>
<tr>
<th>id</th>
<th>name</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Sci-Fi</td>
</tr>
<tr>
<td>2</td>
<td>Poesi</td>
</tr>
</tbody>
</table>

- Create a drop down list

```php
<?php
include 'db.php'; //establish database connection script
$result = mysql_query("select id, name from book");
while($row = mysql_fetch_assoc($result)) {
    $bookid = $row["id"];  
    $bookname = $row["name"];  
    //here we display book name in drop down list and pass bookid value to insert.php
    print "<option value='$bookid'>$bookname</option>";
}
include 'closeDB.php'; //close database connection script
?> </select>
```

- Selected bookname’s id value is available in $_POST["category"]
Useful links

- **PHP+MySQL Tutorial**
  http://www.freewebmasterhelp.com/tutorials/phpmysql/

- **PHP introduction**
  http://www.w3schools.com/php/default.asp

- **PHP** - http://php.net/docs.php

- **Apache+MySQL+PHP on Windows (WAMP)** -