

Developing Web Database Applications

Selected PHP & MySQL Resources

<http://isaachunter.net/DatabaseDriven>

PHP (<http://www.php.net>)

- [DevShed](http://www.devshed.com/c/a/PHP/) (PHP articles/tutorials) <<http://www.devshed.com/c/a/PHP/>>
- [PHP Builder](http://www.phpbuilder.com/) (consult articles w/ user feedback; forums) <<http://www.phpbuilder.com/>>
- [PHP/MySQL Tutorial](http://webmonkey.wired.com/webmonkey/99/21/index2a.html) <<http://webmonkey.wired.com/webmonkey/99/21/index2a.html>>

MySQL (<http://www.mysql.com>)

- [MySQL Reference Manual](http://dev.mysql.com/doc/) (esp. searchable HTML version with user comments) <<http://dev.mysql.com/doc/>>
- [MySQL Tutorial](http://dev.mysql.com/doc/mysql/en/Tutorial.html) (great way to learn basic concepts and commands) <<http://dev.mysql.com/doc/mysql/en/Tutorial.html>>
- [DevShed](http://www.devshed.com/c/a/MySQL/) (MySQL articles/tutorials) <<http://www.devshed.com/c/a/MySQL/>>
- [phpMyAdmin](http://www.phpmyadmin.net/) (**very useful** MySQL administrative interface) <<http://www.phpmyadmin.net/>>
- [MySQL Forums](http://forums.mysql.com/) (help, troubleshooting ideas, and examples) <<http://forums.mysql.com/>>

Content Management Systems

- [OpenSourceCMS](http://www.opensourcecms.com/) (try “live” systems) <<http://www.opensourcecms.com/>>

GENERAL RESOURCES

Dunlap, Isaac Hunter. “Open Source Database Driven Web Development.” Oxford: Chandos Publishing, <Forthcoming: November 2006>. 250pp. <<http://www.isaachunter.net/DatabaseDriven>>.

Gianna, Andrew. “Database-Driven Web Sites: Taking Your Web Presence to the Next Level.” [Tech Soup](http://www.techsoup.org/howto/articles/databases/page1326.cfm) 8 April 2002. Accessed 19 March 2006: <<http://www.techsoup.org/howto/articles/databases/page1326.cfm>>.

Ullman, Larry. *PHP for the World Wide Web*. Peachpit Press, 2001. 278pp. New 3rd ed. (forthcoming 2006) available, 506pp. (\$16). Excellent guide for true PHP beginners. Highly recommended! When you feel ready, see also Ullman’s *PHP Advanced for the World Wide Web* (2002); and Sklar, David and Adam Trachtenberg. *PHP Cookbook*. O'Reilly, 2002. 608pp. (\$25).

Welling, Luke and Laura Thomson. *PHP and MySQL Web Development*. 3rd ed. Sams Pub., 2005. 984pp. (\$31). Not as accessible for the beginner, but has thorough explanations and examples that can help along the way.

Yank, Kevin. *Build Your Own Database Driven Website Using PHP & MySQL*. 3rd ed. Norwood, MA: Sitepoint, 2004. 275pp. (\$25). (Formerly free online, now only 1st four chapters on web). Great overview and code examples; covers tools and techniques to build your own db-driven site and CMS. If you’re serious about developing a db-driven site, this is definitely worth pursuing.

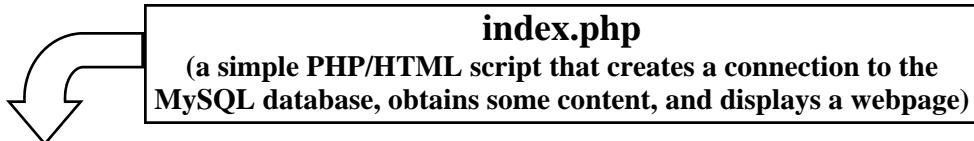
Zeidman, Peter. *Creating a PHP-Based Content Management System*. [Intranet Journal](http://www.intranetjournal.com/articles/200407/ij_07_06_04a.html) 6 July 2004. Accessed 19 March 2006: <http://www.intranetjournal.com/articles/200407/ij_07_06_04a.html>.

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ANATOMY OF A *Database Driven* WEBPAGE

Selected entries from MySQL database table "gen_webdata"

gen_webdata_id	gen_webdata_title	gen_webdata_body
135	Curriculum Library Information	<P> The Curriculum Library, a branch of the University Libraries, is housed in Horribin Hall room 72. This collection, containing approximately 42,000 volumes, consists of curriculum guides, special education texts, children and young adult books, K-12 textbook series, and teaching aids. Access to these materials is through an online computer catalog (ILLINET Online). In addition to the materials collection, the Curriculum Library has study carrels available for quiet individual study and tables for small group study. Two basic goals for the Curriculum Library are to build a fine collection of teaching materials as funds and efforts permit and to make them readily accessible to students and faculty in the teacher education program at Western Illinois University.
111	Instruction	<P><div class=regheader>Library Instruction Prog...



```
<!DOCTYPE HTML PUBLIC "-//W3C//DTD HTML 4.01 Transitional//EN">
<html lang=en><head><title>WIU Libraries -- Curriculum Library Information</title>
<link rel="stylesheet" type="text/css" href="/library/style/wiulib.css"></head><body>
```

```
<?php // open (declare) PHP

//declare a variable for later use:
$id = '135'; // (135 = row number of "Curriculum Library Information" data)

//make connection to your MySQL database:
mysql_connect ("www.mysql.host.com:12345", "username", "password"); // connect (don't forget the port #)
mysql_select_db (libweb) or die ("Unable to select database!"); // select the "libweb" database

//query the database, grabbing data from the table (gen_webdata):
$query = "SELECT * FROM gen_webdata WHERE gen_webdata_id = '$id"'; // query the database
$result = mysql_query($query) or die ("Error in query"); // obtain the data
$row = mysql_fetch_array($result); // organize the data (put into an array)

//for simplicity, assign the elements ("pieces of data") of the array to variables ("data holders") for later use:
$TITLE = ($row['gen_webdata_title']); // (the "title header" of the webpage)
$BODY = ($row['gen_webdata_body']); // (the "body" of the webpage)

//begin displaying webpage content:
print "$TITLE"; // display the title

?> // close PHP

<HR> <P> <span class="fnt12"> // embed some HTML/CSS tags

<? // re-open PHP
```

```
if ($BODY) // if the data is available...
{
    print ("$BODY"); // ...then, display the body.
}
else { // ...but if unavailable, then...
    print "Error: Please Notify Library Information Systems";
}

?> // close PHP
</span></body></html> // close HTML/CSS tags
```

