

Lab 4: MySQL & PHP

Prepared: TrangNTT

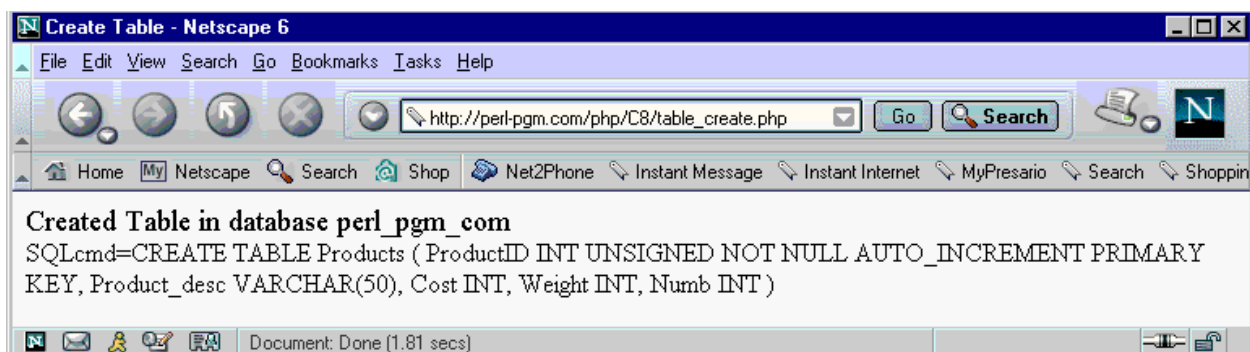
- Lab 4: MySQL & PHP 1
 - 4.1 Run the example in the lecture slides 2
 - 4.2 Open and use phpMyAdmin to create a database and tables 5
 - 4.3 Category Administration page 6
 - 4.4 Business Registration page 7
 - 4.5 Business Listing page..... 7

4.1 Run the example in the lecture slides

4.1.1 Create table Products using PHP scripts

```
1. <html><head><title>Create Table</title></head><body>
2. <?php
3. $server = 'localhost';
4. $user = 'phppgm';
5. $pass = 'mypasswd';
6. $mydb = 'mydatabase';
7. $table_name = 'Products';
8. $connect = mysql_connect($server, $user, $pass);
9. if (!$connect) {
10.     die ("Cannot connect to $server using $user");
11. } else {
12.     $SQLcmd = "CREATE TABLE $table_name(
                    ProductID INT UNSIGNED NOT NULL
                    AUTO_INCREMENT PRIMARY KEY,
                    Product_desc VARCHAR(50) ,
                    Cost INT,
                    Weight INT,
                    Numb INT)";
13. mysql_select_db($mydb);
14. if (mysql_query($SQLcmd, $connect)){
15.     print '<font size="4" color="blue" >Created Table';
16.     print "<i>$table_name</i> in database<i>$mydb</i><br></font>";
17.     print "<br>SQLcmd=$SQLcmd";
18. } else {
19.     die ("Table Create Creation Failed SQLcmd=$SQLcmd");
20. }
21. mysql_close($connect);
22. }
23. ?></body></html>
```

The result after creating table successfully:



4.1.2 Insert data to Products

The screenshot shows two windows from Netscape 6. The top window, titled 'Insert Inventory - Netscape 6', displays a form with the following fields: 'Item Description' (containing 'Hammer'), 'Weight' (containing '12'), 'Cost' (containing '5.50'), and 'Number Available' (containing '122'). Below the form are two buttons: 'Click To Submit' and 'Reset'. The bottom window, titled 'Insert Results - Netscape 6', shows the result of the submission. The address bar indicates the URL 'http://65.108.8.8/php/C8/insert_table.php'. The main content area displays the text: 'The Query is INSERT INTO Products VALUES ('0', 'Hammer', '5.50', '12', '122')' and 'Insert into perl_pgm_com was successful!'. The status bar at the bottom of the second window shows 'Document: Done (2.91 secs)'.

Item Description: Hammer

Weight: 12

Cost: 5.50

Number Available: 122

Click To Submit Reset

The Query is INSERT INTO Products VALUES ('0', 'Hammer', '5.50', '12', '122')
Insert into perl_pgm_com was successful!

Document: Done (2.91 secs)

4.1.3 Display list of products

The screenshot shows a window titled 'Table Output - Netscape 6'. The address bar shows the URL 'http://65.108.8.8/php/C8/query.php'. The main content area displays the title 'Products Data' in blue, followed by the text 'The Query is SELECT * from Products'. Below this is a table with 5 columns: 'Num', 'Product', 'Cost', 'Weight', and 'Count'. The table contains 3 rows of data. The status bar at the bottom shows 'Document: Done (1.54 secs)'.

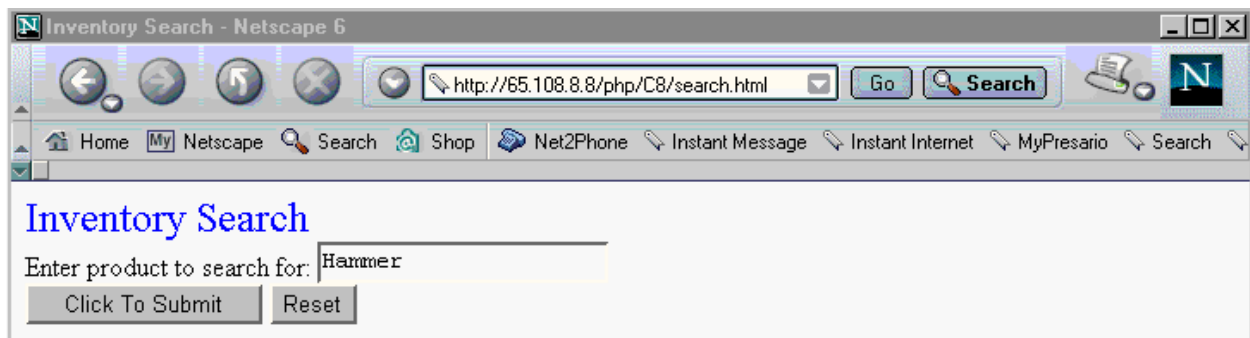
Products Data

The Query is SELECT * from Products

Num	Product	Cost	Weight	Count
1	Hammer	12	5	123
2	Screw Driver	2	3	144
3	Wrench	1	2	244

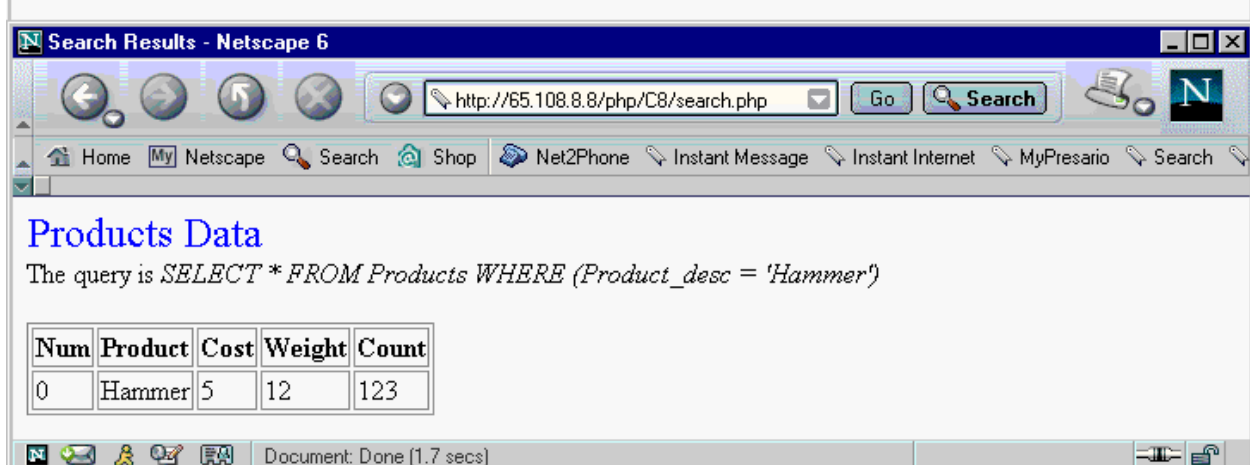
Document: Done (1.54 secs)

4.1.4 Search products



Inventory Search

Enter product to search for:




Search Results

The query is *SELECT * FROM Products WHERE (Product_desc = 'Hammer')*

Num	Product	Cost	Weight	Count
0	Hammer	5	12	123

Document: Done (1.7 secs)

4.1.5 Update product



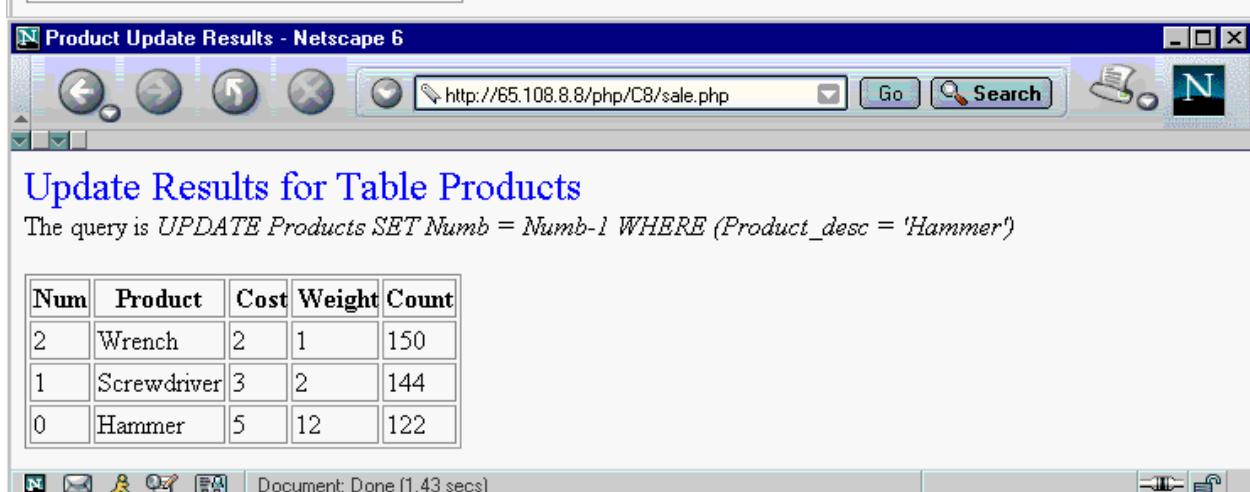
Inventory Management

Select Product We Just Sold:

☒ Hammer ☐ Screwdriver ☐ Wrench

The query is *SELECT * from Products*

Num	Product	Cost	Weight	Count
2	Wrench	2	1	150
1	Screwdriver	3	2	144
0	Hammer	5	12	123



Product Update Results

Update Results for Table Products

The query is *UPDATE Products SET Numb = Numb-1 WHERE (Product_desc = 'Hammer')*

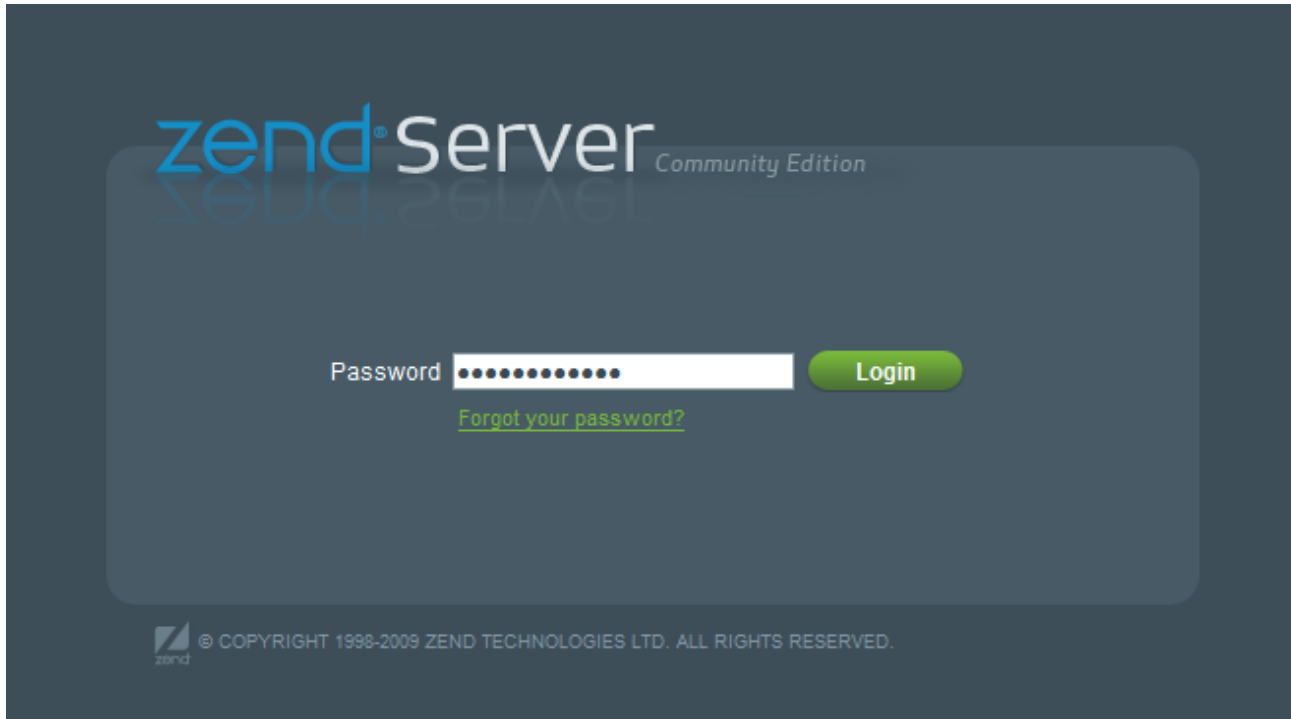
Num	Product	Cost	Weight	Count
2	Wrench	2	1	150
1	Screwdriver	3	2	144
0	Hammer	5	12	122

Document: Done (1.43 secs)

4.2 Open and use phpMyAdmin to create a database and tables

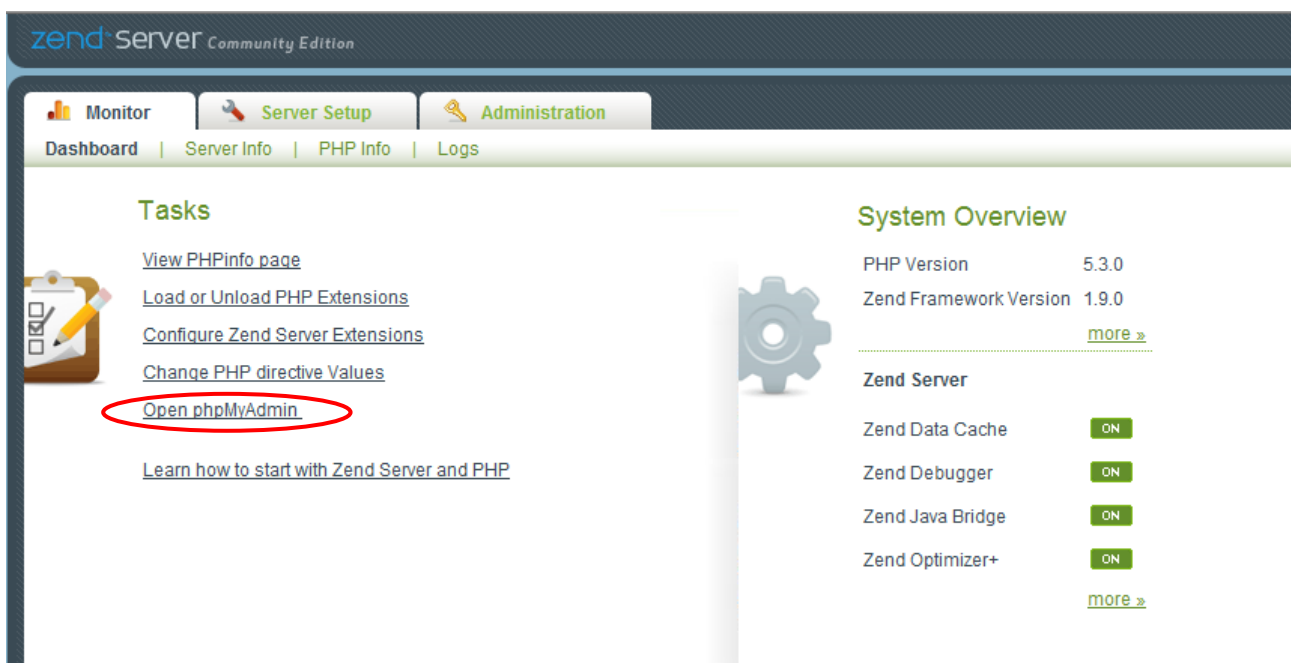
4.2.1 Open Zend Server Community Edition

- Select Start → All Programs → Zend Server Community Edition → Zend Server 4.0
- Enter password you setted when installing

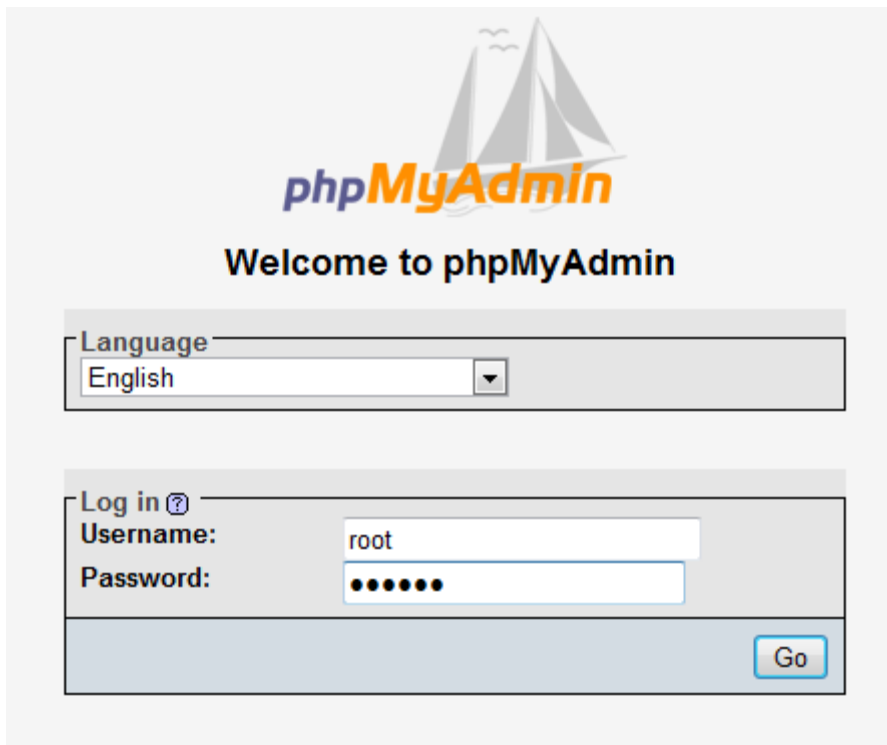


4.2.2 Open phpMyAdmin

- Press Login to go to Zend Server page. Click on Open phpMyAdmin



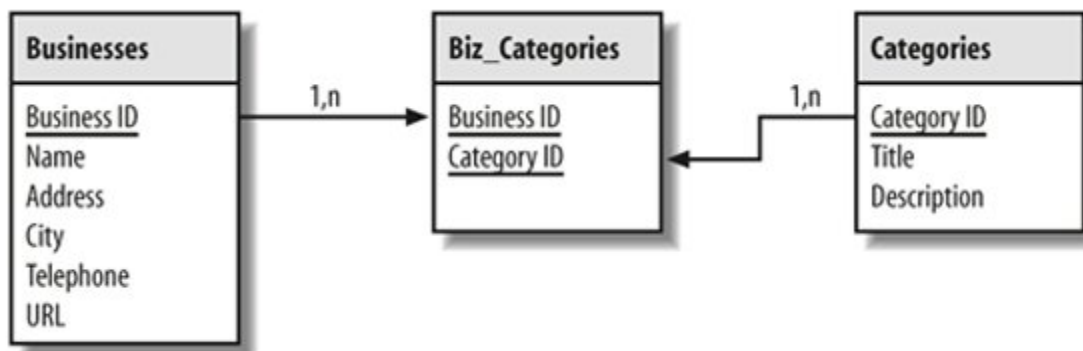
- Enter username (root) and password (123456)



The image shows the phpMyAdmin welcome screen. At the top is the phpMyAdmin logo with a sailboat icon. Below it is the text "Welcome to phpMyAdmin". There is a language selection dropdown menu set to "English". Below that is a login section with fields for "Username:" (containing "root") and "Password:" (masked with dots). A "Go" button is at the bottom right of the login section.

4.2.3 Create tables and relationships for business listing service

Create a database named business_service. Create tables and relationships as the following design:



4.3 Category Administration page

Design the following page for Category Administration to add a category:



The image is a screenshot of a web browser showing the "Category Administration" page. The page has a title bar "Category Administration - Microsoft Internet Explorer" and an address bar "http://localhost/bizness/admin.php". The main content area has the title "Category Administration" and a table with three columns: Cat ID, Title, and Description. The table contains five rows of data. Below the table are three input fields and an "Add Category" button.

Cat ID	Title	Description
AUTO	Automotive Parts and Supplies	Accessories for your car
FISH	Seafood Stores and Restaurants	Place to get your fish
HEALTH	Health And Beauty	Everything for the body
SCHOOL	Schools and Colleges	Public and Private Learning
SPORTS	Community Sports and Recreation	Guide to Parks and Leagues

4.4 Business Registration page

Design the following page for Business Registration to add a business. Users can choose multiple categories for the business in the list in the left of the page.

Business Registration

Click on one, or control-click on multiple categories:

- Automotive Parts and Supplies
- Seafood Stores and Restaurants
- Health And Beauty
- Schools and Colleges

Business Name:

Address:

City:

Telephone:

URL:

[Add Business](#)

Business Registration

Record inserted as shown below.

Selected category values are highlighted:

- Seafood Stores and Restaurants
- Health And Beauty
- Schools and Colleges
- Community Sports and Recreation

Business Name:

Address:

City:

Telephone:

URL:

[Add Another Business](#)

4.5 Business Listing page

Design the following page for Business Listing to display a list of businesses for a specific category. Users can click to the list of categories in the left view the list of corresponding businesses.

Business Listings

Click on a category to find business listings:

- Automotive Parts and Supplies
- Seafood Stores and Restaurants
- Health And Beauty
- Schools and Colleges
- Community Sports and Recreation

5	Leardorf Beauty Salon and Academy	123 Any Street	Toronto	(555) 123-4567	http://www.google.com	5 SCHOOL
6	Auto School	123 Some Street	Gainsville	(999)555-1234	http://www.autoschool.net	6 SCHOOL