

Lab 5 – MySQL Databases with PHP

Create a new folder 'lab05' under the web-root folder "public_html" folder on the cmlamp14 server
Save today's work in this lab05 folder.

Task 1: Retrieve and display records from the table (5 marks)

Step 1:

First create a file **settings.php** that contains variable declaration and initialisation of the database host, user name and password. It should not contain any HTML tags. Then create a folder "conf" under "/home/<your_user_id>". As we have discussed in the lecture, this folder is not accessible by web users so it should be safe to keep your sensitive information here. Finally put **settings.php** in this folder.

```
<?php
    $host = "cmlamp14.aut.ac.nz";
    $user = _____(1)_____; // your user name
    $pswd = _____(2)_____; // your password
    $dbnm = _____(3)_____; // your database
?>
```

Step 2:

Create a file **cars_display.php** that selects only car_id, make, model and price from the database table cars created in Lab 4 and displays them neatly in a html table.

```
<html>
<head>
    <meta http-equiv="content-type" content="text/html; charset=utf-8" />
    <title>Using file functions</title>
</head>
<body>
<h1>Web Development - Lab05</h1>
<?php
    require_once ("../../conf/settings.php"); //please make sure the path is correct

    // complete your answer here

?>
</body>
</html>
```

Test in the browser.

Task 2: VIP member Registration System (5 marks)

Note: you need to complete step 1~3 in order to get the full marks.

Hint: you may reuse the demo code for Lecture 5 (downloadable from blackboard) to help you complete this task.

The overall task is to create a Web application that manages a VIP Member's details using a MySQL database table created and accessed through PHP scripts.

The following fields are to be created for the 'vipmembers' table:

- member_id INT AUTO_INCREMENT PRIMARY KEY
- fname VARCHAR(40)
- lname VARCHAR(40)
- gender VARCHAR(1)
- email VARCHAR(40)
- phone VARCHAR(20)

Step 1: Creating the VIP Member Home Page `vip_member.php`

Create a simple “Home Page” document **`vip_member.php`** that contains links to:

- “Add New Member Form”, **`member_add_form.php`**,
- “Display All Members Page” **`member_display.php`**, and
- “Search Member Page” **`member_search.php`**.

Step 2: Creating the add member form `member_add_form.php`

Create a document **`member_add_form.php`** that contains a form with method **`post`** and action to **`member_add.php`**. The form will need inputs for all the data for a new member, except `member_id`, the “Membership Number”.

Hint: You could adapt any of the previous forms you have created in labs for this purpose.

Step 3: Create the database table, insert records `member_add.php`

Create the document **`member_add.php`** to create a connection to the mysql server and your database, create the 'vipmembers' table if it does not exist, and insert the details from “Add New Member Form” into the table.

Hint: You will need to execute two queries in this script: the first to create the table if it does not exist and the second to insert the data.

Step 4: Retrieve and display records from the database table `member_display.php`

Create a document “Display all Members Page” **`member_display.php`** that selects only `member_id`, `fname`, `lname` from the database table and displays them neatly in a html table.

Step 5: Create a Search Page `member_search.php`

Create a document “Search Member Page” **`member_search.php`** with a form to enable a search for a member(s) based on the last name in the database table, and then display the `member_id`, `fname`, `lname`, `email` details of all members that matched the last name in a html table.

Hint: This page will have a form with an action that calls itself.