COS30020 Lab 8: MySQL Databases with PHP

Reference: Chapter 7 of your eText PHP Programming with MySQL.

**Aims:**

* To be able to create PHP code to connect to the MySQL database server and your student database “s1234567\_db”; and to be able to create a table, and execute other SQL statements using PHP to manipulate data within the table.
* To become aware of the use of include files, and other measures to secure database connection details.

## Getting Started:

Create a new folder ‘**lab08**’ under the unit folder on the mercury server

~/*cos30020/www/htdocs* folder on mercury. Save today’s work in this lab08 folder.

# Task 1: Retrieve and display records from the table (9 points)

### Step 1:

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.

<?php

$host = “feenix-mariadb.swin.edu.au”;

$user =

$pswd =

$dbnm =

?>

**(1)** ; // your user name

**(2)** ; // your password d(date of birth – ddmmyy)

**(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 7 and displays them neatly in a html table.

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="utf-8" />

<meta name="description" content="Web application development" />

<meta name="keywords" content="PHP" />

<meta name="author" content="Your Name" />

<title>TITLE</title>

</head>

<body>

<h1>Web Programming - Lab08</h1>

<?php

require\_once ("settings.php");

// complete your answer based on page 8.2 Accessing database with PHP and 8.4 Selecting records.

?>

</body>

</html>

Test in the browser, and check that the page is valid.

# Task 2: VIP member Registration System (6 points)

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 does not exists 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.*