## **Member login Tutorial**

**Step 1**: **Set up a website called *php-herdesign* in Visual Studio/Expression Web**  
  
We will need three blank PHP web pages entitled: registration.php, login.php, and logout.php. After you have open and setup a blank website using Visual Studio/Expression Web, we're ready to start.  
  
**Step 2: Database**  
  
If we want to design a member login system, we'll need a database and here we named it herdesign\_database. So all we need to do in this step is to create the table we will use to manage the user's login information. Note that the schema we use here is quite simple, and is only simplified to help you see how it work

Name the table "users". It will need 4 fields:  
  
**Field Name             Type              Remarks**  
email               varchar(60)           Primary Key

password             varchar(20)             
name        varchar(60)   
city             varchar(40)

Once you've made the database table, you're ready to design and code the registration and login page etc.

**Create a configuration file to connect to your Database**  
  
Create a new file and name it config.php. This file will contain the PHP code that will connect to the MySQL database, and select the correct database. Make sure you have added users to your MySQL database with read/write or admin access, then place this type of code into the config.php file:

<?php  
$server = "localhost";  
$user = "root";  
$password = "";  
$database = "herdesign\_database";  
// sets up the connection to the database   
$link = mysqli\_connect($server, $user, $password, $database);?>

**Step 3: Registration**  
  
registration.php  
  
On your registration page, you need to create a web form that will allow the user to fill in his/her email, password, name and their city. Then, also on your page, add code that runs only when information has been passed via the form. Finally, redirect to login.php.

<?php

include "config.php"; // include the database connection

$error= ""; // error validation; email must be unique

if (isset($\_POST['registration'])) {

$email = $\_POST['email'];

$password = $\_POST['password'];

$name = $\_POST['name'];

$city = $\_POST['city'];

$query = "SELECT \* FROM users WHERE email='$email'";

$result= mysqli\_query($link, $query);

if ($row= mysqli\_fetch\_array($result)) {

$error = "Please try another email!!!"; // email already exit

}

else

{

$query="INSERT INTO users (email, password, name, city)VALUES ('$email','$password','$name','$city')"

mysqli\_query($link, $query);

header("Location: login.php"); // redirect to login.php

} //end of else statement

} // end of if statement

?>

**Step 4: Login**  
  
login.php  
  
Now in PHP, first we need to check the email and password against the information stored in the database. If login information is O.K., then we need to use sessions to store the user's email and name so they can access member-only content.

<?php

include "config.php"; // include the database connection

session\_start(); // start the session

$error = ""; // PHP validation

if (isset($\_POST['submitLogin'])) {

$useremail = $\_POST['email'];

$userpassword = $\_POST['password'];

$query="SELECT \* FROM users WHERE email ='$useremail' && password='$userpassword' ";

$result = mysqli\_query($link, $query);

if ($row = mysqli\_fetch\_array($result)) // login is successful

{

$\_SESSION['useremail'] = $row['email']; // uses session to store user email

$\_SESSION['username'] = $row['name']; // use session to store user name

header("Location: index.php"); // redirect to the home page

}

else { // login is unsuccessful

$error = "Please key in a valid username or password";

} // end of else statement

} // end of if statement

?>

**Step 5: Logout**  
  
logout.php  
  
Although it would be nice if our user's never left our web sites, we should give them to opportunity to log out and destroy the session variables if they so choose. It's quite easy to do, and you can just copy and paste this one.

<?php

session\_start();// start the session

// if the member is logged in, unset the session

if (isset($\_SESSION['username'])) {

unset($\_SESSION['useremail']);

unset($\_SESSION['username']);

}

// now that the member is logged out, go to login page

header('Location: login.php');

?>