**Log in system:**

The database:

PHP – To store user’s info.. to track users who are logged in – cookies

First step: create database to store the users – keith doing this

Fields needed: username and password

Second Step: Registration page: this will connect to the database:

<?php

// Connects to your Database

mysql\_connect("your.hostaddress.com", "username", "password") or die(mysql\_error());

mysql\_select\_db("Database\_Name") or die(mysql\_error());

//This code runs if the form has been submitted

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

//This makes sure they did not leave any fields blank

if (!$\_POST['username'] | !$\_POST['pass'] | !$\_POST['pass2'] ) {

die('You did not complete all of the required fields');

}

// checks if the username is in use

if (!get\_magic\_quotes\_gpc()) {

$\_POST['username'] = addslashes($\_POST['username']);

}

$usercheck = $\_POST['username'];

$check = mysql\_query("SELECT username FROM users WHERE username = '$usercheck'")

or die(mysql\_error());

$check2 = mysql\_num\_rows($check);

//if the name exists it gives an error

if ($check2 != 0) {

die('Sorry, the username '.$\_POST['username'].' is already in use.');

}

//

this makes sure both passwords entered match

if ($\_POST['pass'] != $\_POST['pass2']) {

die('Your passwords did not match. ');

}

// here we encrypt the password and add slashes if needed

$\_POST['pass'] = md5($\_POST['pass']);

if (!get\_magic\_quotes\_gpc()) {

$\_POST['pass'] = addslashes($\_POST['pass']);

$\_POST['username'] = addslashes($\_POST['username']);

}

// now we insert it into the database

$insert = "INSERT INTO users (username, password)

VALUES ('".$\_POST['username']."', '".$\_POST['pass']."')";

$add\_member = mysql\_query($insert);

?>

<h1>Registered</h1>

<p>Thank you, you have registered - you may now login</a>.</p>

<?php

}

else

{

?>

<form action="<?php echo $\_SERVER['PHP\_SELF']; ?>" method="post">

<table border="0">

<tr><td>Username:</td><td>

<input type="text" name="username" maxlength="60">

</td></tr>

<tr><td>Password:</td><td>

<input type="password" name="pass" maxlength="10">

</td></tr>

<tr><td>Confirm Password:</td><td>

<input type="password" name="pass2" maxlength="10">

</td></tr>

<tr><th colspan=2><input type="submit" name="submit"

value="Register"></th></tr> </table>

</form>

<?php

}

?>

If the form has not been submitted, they are shown the registration form, which collects the username and password. Basically what this does is check to see if the form has been submitted. If it has been submitted it checks to make sure that the data is all OK (passwords match, username isn't in use) as documented in the code. If everything is OK it adds the user to the database, if not it returns the appropriate error.

/\* Reference: <https://github.com/Goatella/Simple-PHP-Login> or <https://www.thoughtco.com/php-login-script-p2-2693850?utm_term=php+authentication+tutorial&utm_content=p1-main-3-title&utm_medium=sem&utm_source=google_s&utm_campaign=adid-2cad7557-50d8-44d5-aa0f-a1646c7f4544-0-ab_gsb_ocode-603320&ad=semD&an=google_s&am=broad&q=php+authentication+tutorial&o=603320&qsrc=999&l=sem&askid=2cad7557-50d8-44d5-aa0f-a1646c7f4544-0-ab_gsb> \*/

Next step: Login Page 1