



How to create a Registration and Login System with PHP and MySQL. Here is the quick solution to build a login system with PHP and MySQL. Nowadays almost every website provides Registration and login functionality. Thus, it is necessary to add a login system in modern web applications.

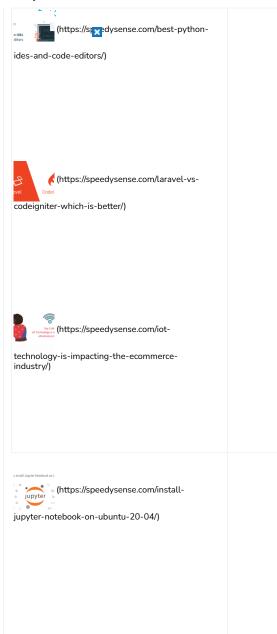
In this tutorial, we walk through the complete process of creating a user registration system. Users can create an account by providing username, password, email. After the account was created, the user can log in to their own account. Once the user login, it will redirect to the Dashboard page. Moreover, the user can logout from his panel. This whole system we are developed using PHP and MySQL.

Furthermore, we will show you how to build secure pages that are only accessed by logged in users. Without login, the user can not access the page.

How to create a Registration and Login System with PHP and MySQL

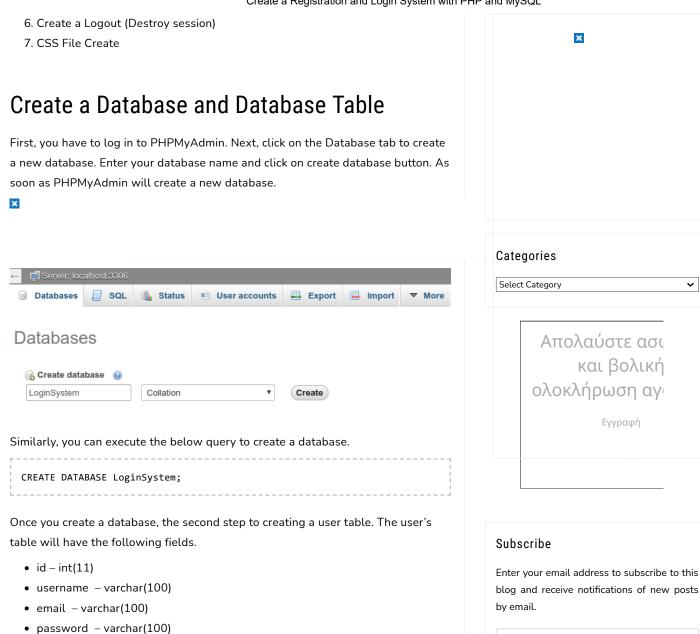
Here are Seven pretty simple steps you have to follow to create a login system.

- 1. Create a Database and Database Table
- 2. Connect to the Database
- 3. Session Create for Logged in User



We use cookies on our website to give you the most release the lease the use of ALL the cookies. However you have been being the provide a controlled consent.

Cookie settings



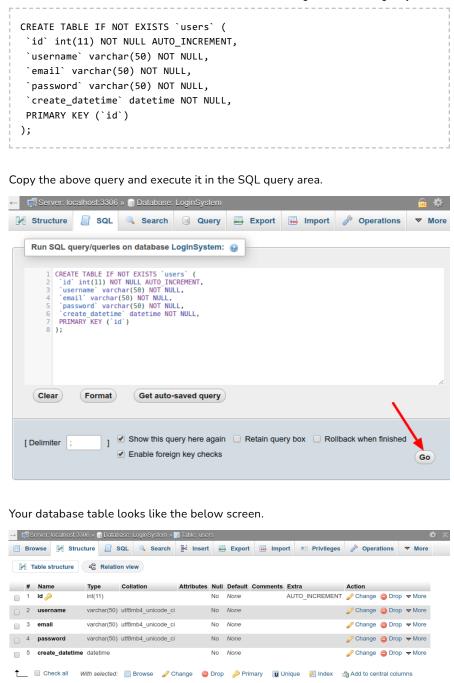
• create datetime - datetime

Cookie settings

Enter Your E-mail Address...

Subscribe

~



We use cookies on our website to give you the most relevant experience by remembering your preferences and repeat visits. By clicking "Accept", you consent to the use of ALL the cookies. However you may visit Cookie Settings to provide a controlled consent.

Cookie settings

Connect to the Database

After creating the table, we have to create a PHP MySQL connector script to connect to the MySQL database server. Create a file named db.php and put the following code inside it.



db.php

```
<?php
  // Enter your host name, database username, password, and database name
  // If you have not set database password on localhost then set empty.
  $con = mysqli_connect("localhost","root","root","LoginSystem");
  // Check connection
  if (mysqli_connect_errno()){
     echo "Failed to connect to MySQL: " . mysqli_connect_error();
  }
?>
```

Session Create for Logged in User

Next, we have to create a session for the user. Create a file named auth_session.php and paste the codes below.

We use cookies on our website to give Authteession land texperience by remembering your preferences and repeat visits. By clicking "Accept", you consent to the use of ALL the cookies. However you may visit Cookie Settings to provide a controlled consent.

Cookie settings

```
<?php
    session_start();
    if(!isset($_SESSION["username"])) {
        header("Location: login.php");
        exit();
    }
}</pre>
```

Creating a Registration Form

Furthermore, create PHP file registration.php and paste the following example code in it. This will create an HTML form. It will allow users to register.

registration.php

×

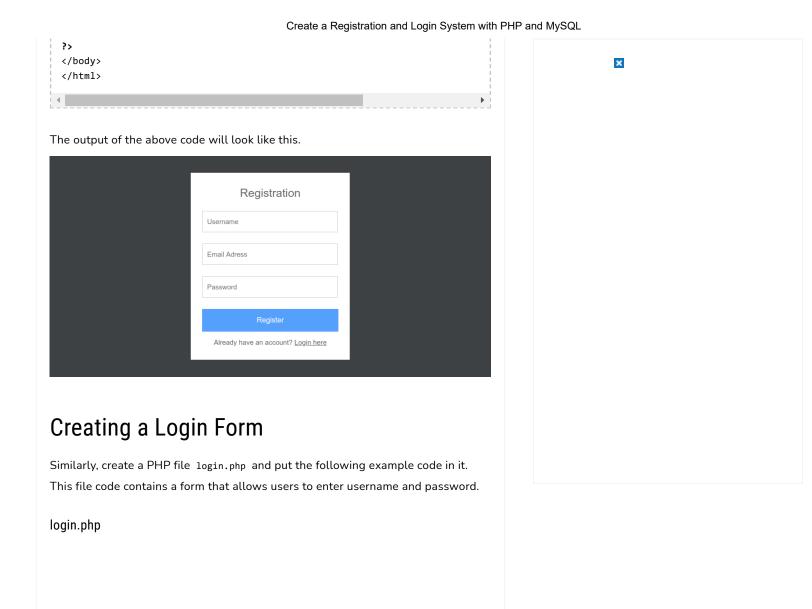
We use cookies on our website to give you the most relevant experience by remembering your preferences and repeat visits. By clicking "Accept", you consent to the use of ALL the cookies. However you may visit Cookie Settings to provide a controlled consent.

Cookie settings

```
<!DOCTYPE html>
<html>
<head>
    <meta charset="utf-8"/>
   <title>Registration</title>
    <link rel="stylesheet" href="style.css"/>
</head>
<body>
<?php
    require('db.php');
   // When form submitted, insert values into the database.
   if (isset($ REQUEST['username'])) {
       // removes backslashes
       $username = stripslashes($_REQUEST['username']);
       //escapes special characters in a string
       $username = mysqli_real_escape_string($con, $username);
                = stripslashes($ REQUEST['email']);
       $email
       $email
                = mysqli_real_escape_string($con, $email);
       $password = stripslashes($_REQUEST['password']);
       $password = mysqli_real_escape_string($con, $password);
       $create datetime = date("Y-m-d H:i:s");
       $query = "INSERT into `users` (username, password, email, create
                    VALUES ('$username', '" . md5($password) . "', '$email
       $result = mysqli_query($con, $query);
       if ($result) {
           echo "<div class='form'>
                 <h3>You are registered successfully.</h3><br/>
                 Click here to <a href='login.php'>Login
                  </div>";
       } else {
           echo "<div class='form'>
                 <h3>Required fields are missing.</h3><br/>
                 Click here to <a href='registration.php'>
                 </div>";
    } else {
?>
    <form class="form" action="" method="post">
       <h1 class="login-title">Registration</h1>
       <input type="text" class="login-input" name="username" placeholder=</pre>
        <input type="text" class="login-input" name="email" placeholder="Em</pre>
        <input type="password" class="login-input" name="password" placehol</pre>
       <input type="submit" name="submit" value="Register" class="login-bu"</pre>
        <a href="login.php">Click to Login</a>
   </form>
```

```
×
```

Cookie settings

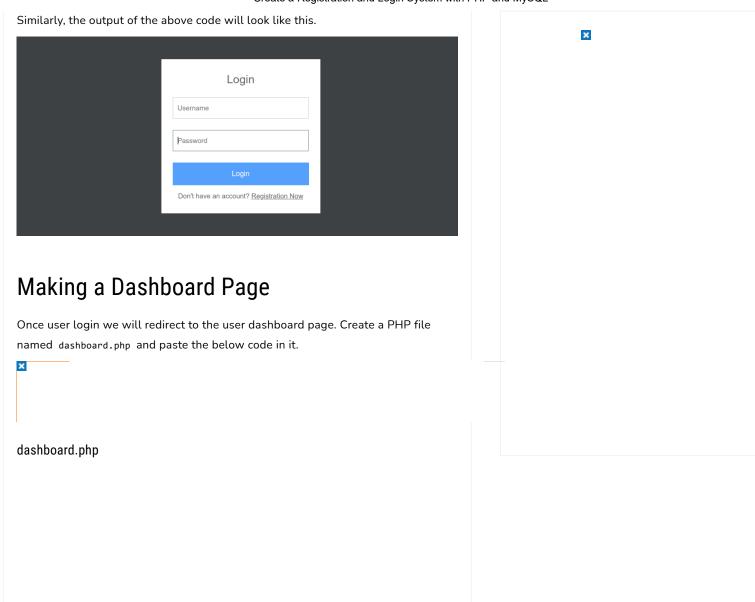


Cookie settings

```
<!DOCTYPE html>
<html>
<head>
    <meta charset="utf-8"/>
   <title>Login</title>
    <link rel="stylesheet" href="style.css"/>
</head>
<body>
<?php
    require('db.php');
   session_start();
   // When form submitted, check and create user session.
   if (isset($ POST['username'])) {
       $username = stripslashes($_REQUEST['username']);
                                                           // removes back
       $username = mysqli_real_escape_string($con, $username);
       $password = stripslashes($_REQUEST['password']);
       $password = mysqli_real_escape_string($con, $password);
       // Check user is exist in the database
                = "SELECT * FROM `users` WHERE username='$username'
                    AND password='" . md5($password) . "'";
       $result = mysqli_query($con, $query) or die(mysql_error());
       $rows = mysqli_num_rows($result);
       if ($rows == 1) {
           $_SESSION['username'] = $username;
           // Redirect to user dashboard page
           header("Location: dashboard.php");
       } else {
           echo "<div class='form'>
                  <h3>Incorrect Username/password.</h3><br/>
                  Click here to <a href='login.php'>Login
                  </div>";
    } else {
?>
    <form class="form" method="post" name="login">
       <h1 class="login-title">Login</h1>
       <input type="text" class="login-input" name="username" placeholder=</pre>
       <input type="password" class="login-input" name="password" placehol</pre>
       <input type="submit" value="Login" name="submit" class="login-butto"</pre>
       <a href="registration.php">New Registration</a>
 </form>
<?php
?>
</body>
```

```
×
```

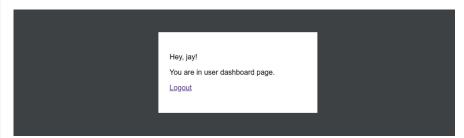
Cookie settings



Cookie settings

```
<?php
//include auth_session.php file on all user panel pages
include("auth_session.php");
<!DOCTYPE html>
<html>
<head>
    <meta charset="utf-8">
    <title>Dashboard - Client area</title>
    <link rel="stylesheet" href="style.css" />
</head>
<body>
    <div class="form">
       Hey, <?php echo $_SESSION['username']; ?>!
       You are now user dashboard page.
       <a href="logout.php">Logout</a>
    </div>
</body>
</html>
```

After the user login, you will see the following user dashboard screen.



Similarly, you can create another secure page. Only you need to add the below code first in your PHP file.

```
<?php
require('db.php');
include("auth_session.php");
?>
```

Create a Logout (Destroy session)
We use cookies on our website to give you the most relevant experience by remembering your preferences and repeat visits. By clicking "Accept", you consent to

Cookie settings

ACCEPT

the use of ALL the cookies. However you may visit Cookie Settings to provide a controlled consent.

When clicking on the logout button we have to destroy user sessions. It will redirect to the login page. Thus, create a file named logout.php and add the below code.

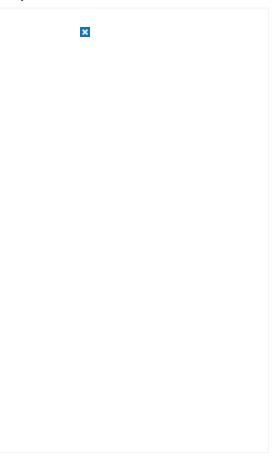
logout.php

```
<?php
   session_start();
   // Destroy session
   if(session_destroy()) {
        // Redirecting To Home Page
        header("Location: login.php");
   }
}</pre>
```

CSS File Create

Finally, important step for a user experience perspective. Create CSS file style.css and put the below code.

style.php



We use cookies on our website to give you the most relevant experience by remembering your preferences and repeat visits. By clicking "Accept", you consent to the use of ALL the cookies. However you may visit Cookie Settings to provide a controlled consent.

Cookie settings

```
body {
                                                                                                 ×
    background: #3e4144;
}
.form {
    margin: 50px auto;
    width: 300px;
    padding: 30px 25px;
    background: white;
h1.login-title {
    color: #666;
    margin: 0px auto 25px;
    font-size: 25px;
    font-weight: 300;
    text-align: center;
.login-input {
    font-size: 15px;
    border: 1px solid #ccc;
    padding: 10px;
    margin-bottom: 25px;
    height: 25px;
    width: calc(100% - 23px);
.login-input:focus {
    border-color:#6e8095;
    outline: none;
.login-button {
    color: #fff;
    background: #55a1ff;
    border: 0;
    outline: 0;
    width: 100%;
    height: 50px;
    font-size: 16px;
    text-align: center;
    cursor: pointer;
.link {
    color: #666;
    font-size: 15px;
    text-align: center;
    margin-bottom: 0px;
```

Cookie settings

```
}
h3 {
   font-weight: normal;
   text-align: center;
}
```

Finally, our login system is ready to use. You can download the source code from the below download link.

Download Source
(https://github.com/speedysense/registeration-login-

Final Thoughts

That all you need to know how to create registration and login system in PHP with MySQL database. Furthermore, we create a registration and login form. Moreover, we create a MySQL connection file to establish a database connection. Thus we create a complete login system with interactive design.

system/archive/master.zip)

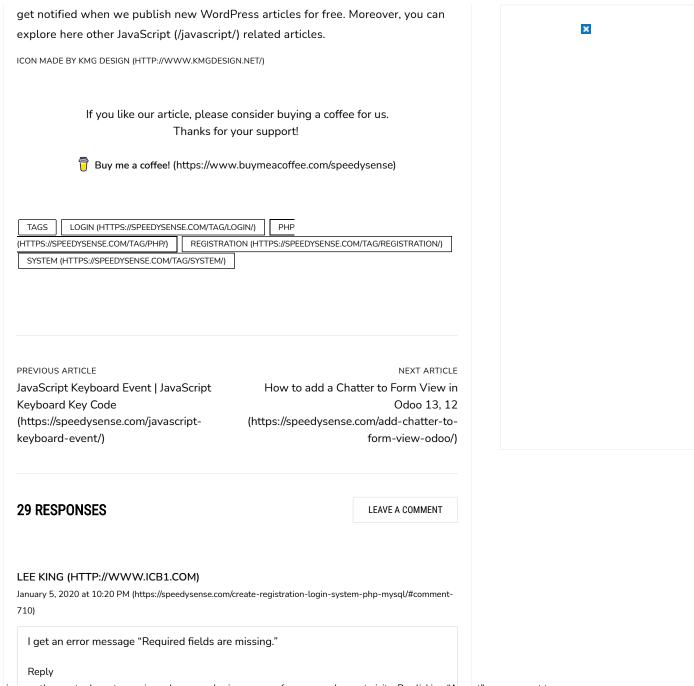


We hope you have found this article helpful. Let us know your questions or

feedback if any through the comment section in below. You can subscribe our

We use cookies on our website to give you the most relevant experience by remembering your preferences and repeat visits. By clicking "Accept", you consent to newsletter (https://feedburner.google.com/fb/a/mailverify?uri=speedysense) and the use of ALL the cookies. However you may visit Cookie Settings to provide a controlled consent.

Cookie settings



Cookie settings

SPEEDYSENSE EDITORIAL January 6, 2020 at 10:23 AM (https://speedysense.com/create-registration-login-system-phpmysql/#comment-711) Make sure you entered your username, email and password in the registration Reply LEE KING January 7, 2020 at 8:42 AM (https://speedysense.com/create-registration-login-system-phpmysql/#comment-714) I did several times but the program still comes back with that message. Reply SHIKO June 10, 2020 at 3:36 AM (https://speedysense.com/create-registration-login-system-phpmysql/#comment-1876) check ur table in database, set unused rows in database (Null) Reply MARTIN KANCHEV April 6, 2020 at 9:59 PM (https://speedysense.com/create-registration-login-system-php-mysql/#comment-1219) Thank you sir.

Cookie settings



SIVA RAMA

April 11, 2020 at 12:38 AM (https://speedysense.com/create-registration-login-system-php-mysql/#comment-1257)

this is because of php7 version

Reply

BRAM LAMBERTS

November 30, 2020 at 6:43 AM (https://speedysense.com/create-registration-login-system-phpmysql/#comment-4910)

How do I solve this PHP-issue

Reply

MERGIM

April 25, 2020 at 12:31 AM (https://speedysense.com/create-registration-login-system-php-mysql/#comment-1452)

Hi,

i get the following warning.

But nothing happen after Login?

Warning: session_start(): Cannot start session when headers already sent in /Library/WebServer/Documents/Login/login.php on line 11

Warning: Cannot modify header information – headers already sent by (output started

at /Library/WebServer/Documents/Login/login.php:1) in
We use cookies on our website to give you the most relevant experience by remembering your preferences and repeat visits. By clicking "Accept", you consent to /Library/WebServer/Documents/Login/login.php on line 26
the use of ALL the cookies. However you may visit Cookie Settings to provide a controlled consent.

Cookie settings

3 ,	
What's wrong herecant get the dashboard.php	×
Best regards,	^
Mergim Alija	
Reply	
JUAN MARTÍN BUENO (HTTPS://WWW.JUANMARTINBUENO.COM)	
May 25, 2020 at 4:01 AM (https://speedysense.com/create-registration-login-system-php-	
mysql/#comment-1725)	
,	
English Solution:	
The problem is in the session_start ()	
It should be first on your login.php page. Try it and you will see that it works!	
Solución en Español:	
El problema está en el session_start ()	
Debe ser lo primero en tu página login.php. Pruébalo y verás que funciona!	
Reply	
IKHLAS OYELAMI	
May 20, 2020 at 7:07 AM (https://speedysense.com/create-registration-login-system-php-mysql/#comment-	
1689)	
Thank you sir, I'm very fortunate to feel you make things work. it really work well for	
me, I appreciate	
Poply	
Reply	

Cookie settings

May 28, 2020 at 11:09 PM (https://speedysense.com/create-registration-login-system-php-mysql/#comment-1781) Hi Thanks for the tutorial on the login and user registration. Very much appreciated, so simple and easy to follow for a newbie like myself who is just starting out really in PHP. Reply CATH July 25, 2020 at 7:12 AM (https://speedysense.com/create-registration-login-system-php-mysql/#comment-2337) Thank you for the tutorials it really useful for me to create a blog.... Reply RADHE SHYAM SALOPANTHULA August 31, 2020 at 1:27 PM (https://speedysense.com/create-registration-login-system-php-mysql/#comment-2971) Thanks a lot for this post. I've searched all over the internet for perfect login system finally found yours:) Reply LUIGI September 2, 2020 at 9:55 PM (https://speedysense.com/create-registration-login-system-phpmysql/#comment-3018) thanks for your tutorial it was useful for me to understand how it works, but I have a problem with your code, after registering and proceeding with the login on click instead

of proceeding to the dashboard.php page redirects me to login.php
We use cookies on our website to give you the most relevant experience by remembering your preferences and repeat visits. By clicking "Accept", you consent to

×

Cookie settings

ACCEPT

the use of ALL the cookies. However you may visit Cookie Settings to provide a controlled consent.

SPEEDYSENSE EDITORIAL September 5, 2020 at 9:35 AM (https://speedysense.com/create-registration-login-system-phpmysql/#comment-3055) Its Strange, We checked after login redirect to dashboard page. So what is wrong you found in our code? Reply **SETORQQ** October 14, 2020 at 1:28 PM (https://speedysense.com/create-registration-login-system-php-mysql/#comment-3466) Your style is very unique compared to other folks I've read stuff from. Thanks for posting when you have the opportunity, Guess I will just bookmark this blog. Reply MANISH November 14, 2020 at 4:41 PM (https://speedysense.com/create-registration-login-system-php-

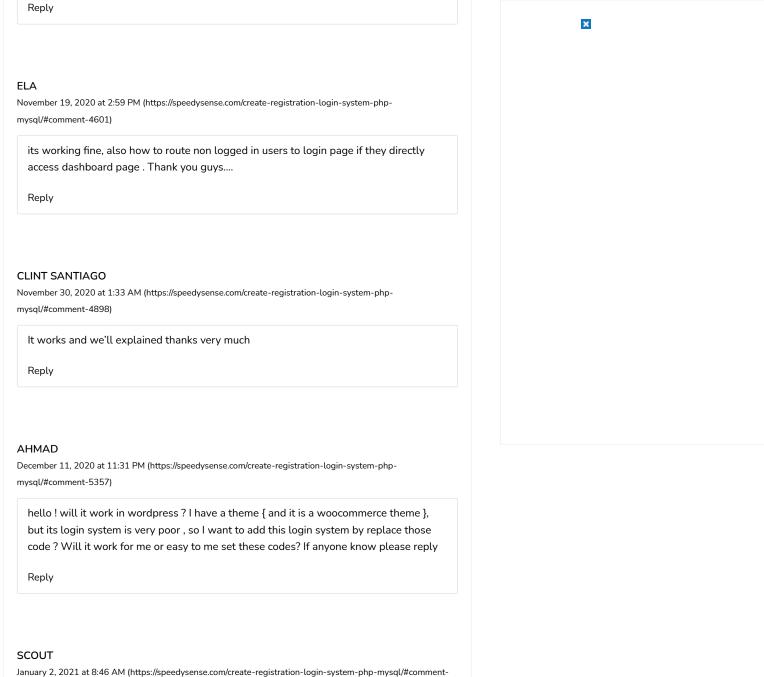
Cookie settings

ACCEPT

mysql/#comment-4404)

what about date colomun?

Required fields are missing. getting error



January 2, 2021 at 8:46 AM (https://speedysense.com/create-registration-login-system-php-mysql/#comment-

We use cookies on our website to give you the most relevant experience by remembering your preferences and repeat visits. By clicking "Accept", you consent to the use of ALL the cookies. However you may visit Cookie Settings to provide a controlled consent.

Cookie settings

Has your code working perfectly with php5 (thank you!), but now having issues with this solution with shift to php7. Is there anything in the code that needs changing to make it work with php7?

Reply

SUNNY

January 16, 2021 at 9:44 PM (https://speedysense.com/create-registration-login-system-php-mysql/#comment-6527)

For new users, it would be nice to have a link to a complete list of prerequisites, otherwise very nice tutorial

Reply

MILAN

January 19, 2021 at 7:36 PM (https://speedysense.com/create-registration-login-system-php-mysql/#comment-6594)

Great tutorial! Works like a charm! Thank you 🙂

I changed the form to take first name and last name in the registration.

Reply

SAMEE UR REHMAN

i removed the password from "db.php" now it looks like this
\$con = mysqli_connect("localhost", "root", "", "LoginSystem");

It is running perfectly fine. Thank you so much for the code

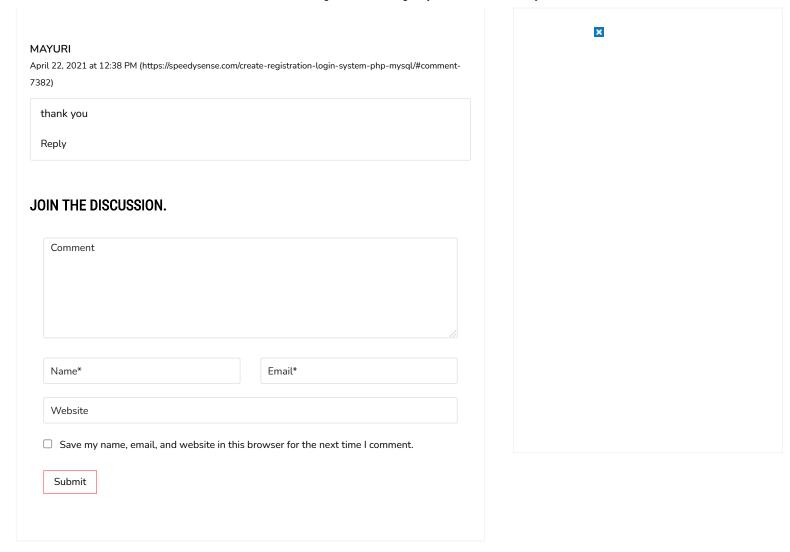
We use cookies on our website to give you the most relevant experience by remembering your preferences and repeat visits. By clicking "Accept", you consent to the use of ALL the cookies. However you may visit Cookie Settings to provide a controlled consent.

×

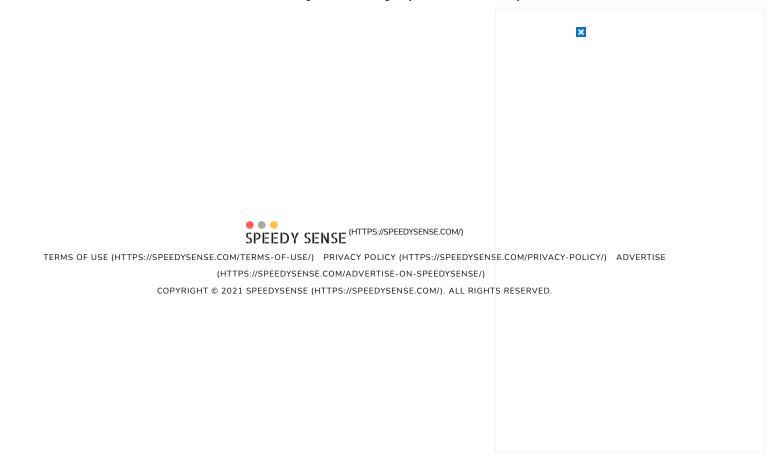
Cookie settings

	×
KAIN	
March 16, 2021 at 2:14 PM (https://speedysense.com/create-registration-login-system-php-	
mysql/#comment-7224)	
This worked for me as well thank you six	
This worked for me as well, thank you sir!	
Reply	
TUCUTE	
February 18, 2021 at 6:24 PM (https://speedysense.com/create-registration-login-system-php-	
mysql/#comment-7050)	
How to make the dashboard display user full details?	
Reply	
Персу	
CHARINA	
SHARUMI April 9, 2021 at 9:04 AM (https://speedysense.com/create-registration-login-system-php-mysql/#comment-	
7333)	
7555)	
thank you for thisss	
Reply	
KAMESH TIWARI	
April 14, 2021 at 1:42 PM (https://speedysense.com/create-registration-login-system-php-mysql/#comment-	
7351)	
Thank you for this	
Thank you for this	
Reply	

Cookie settings



Cookie settings



Cookie settings