

## Lab 6 Exercise

Using PHP and MySQL, develop a CRUD web application to accept book information such as accession number, title, authors, edition and publisher from a web page and create/update/delete the information in a database.

### Instruction to the Candidate

- Create the database with name reg\_login
- Create the following two tables with the given fields
- Execute the programs with file names given in the document.

### Tables to create

Table Name – new_record		
	Name	Type
1	<u>bid</u>	int(11) Auto Increment
2	bname	varchar(50)
3	brate	int(11)
4	publisher	varchar(50)
5	pyear	int(15)

Table Name - users		
	Name	Type
1	<u>id</u>	int(11) Auto Increment
2	username	varchar(100)
3	email	varchar(100)
4	password	varchar(255)
5	trn_date	datetime

### db.php

```
<?php
$con = mysqli_connect("localhost","root","","reg_login");
if (mysqli_connect_errno())
{
    echo "Failed to connect to MySQL: " . mysqli_connect_error();
}
?>
```

### login.php

```
<!DOCTYPE html>
<html>
<head>
<meta charset="utf-8">
<title>Login</title>
<link rel="stylesheet" href="main.css" />
</head>
<body>
<?php
```

```

require('db.php');

session_start();

// If form submitted, insert values into the database.

if (isset($_POST['username'])){

    // removes backslashes

    $username = stripslashes($_REQUEST['username']);

    //escapes special characters in a string

    $username = mysqli_real_escape_string($con,$username);

    $password = stripslashes($_REQUEST['password']);

    $password = mysqli_real_escape_string($con,$password);

    //Checking is user existing in the database or not

    $query = "SELECT * FROM `users` WHERE username='$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 user to index.php

        header("Location: index.php");

    }else{

        echo "<div class='form'>

<h3>Username/password is incorrect.</h3>

<br/>Click here to <a href='login.php'>Login</a></div>";

        }

    }else{

?>

<div class="form">

<h1>Log In</h1>

<form action="" method="post" name="login">

<input type="text" name="username" placeholder="Username" required />

<input type="password" name="password" placeholder="Password" required />

```

```
<input name="submit" type="submit" value="Login" />
</form>
<p>Not registered yet? <a href='signup.php'>Register Here</a></p>
</div>
<?php } ?>
</body>
</html>
```

### auth.php

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

### signup.php

```
<!DOCTYPE html>
<html>
<head>
<meta charset="utf-8">
<title>Registration</title>
<link rel="stylesheet" href="main.css" />
</head>
<body>
<?php
require('db.php');
if (isset($_REQUEST['username'])){
    $username = stripslashes($_REQUEST['username']);
    $username = mysqli_real_escape_string($con,$username);
    $email = stripslashes($_REQUEST['email']);
```

```

$email = mysqli_real_escape_string($con,$email);
$password = stripslashes($_REQUEST['password']);
$password = mysqli_real_escape_string($con,$password);
$trn_date = date("Y-m-d H:i:s");

$query = "INSERT into `users` (username, password, email, trn_date)
VALUES ('$username', '".md5($password)."', '$email', '$trn_date')";

$result = mysqli_query($con,$query);
if($result){
    echo "<div class='form'>
<h3>You are registered successfully.</h3>
<br/>Click here to <a href='login.php'>Login</a></div>";
}
}else{
?>
<div class="form">
<h1>Registration</h1>
<form name="registration" action="" method="post">
<input type="text" name="username" placeholder="Username" required />
<input type="email" name="email" placeholder="Email" required />
<input type="password" name="password" placeholder="Password" required />
<input type="submit" name="submit" value="Register" />
</form>
<p>Do you have account? <a href='login.php'>Login Here</a></p>
</div>
<?php } ?>
</body>
</html>

```

[dashboard.php](#)

```

<?php
require('db.php');

```

```
include("auth.php");

?>

<!DOCTYPE html>

<html>

<head>

<meta charset="utf-8">

<title>Dashboard - Secured Page</title>

<link rel="stylesheet" href="main.css" />

</head>

<body>

<div class="form">

<p>Welcome to Dashboard.</p>

<p><a href="index.php">Home</a><p>

<p><a href="insert.php">Insert New Record</a></p>

<p><a href="view.php">View Records</a><p>

<p><a href="search.php">Search Books</a></p>

<p><a href="logout.php">Logout</a></p>

</div>

</body>

</html>
```

[index.php](#)

```
<?php

include("auth.php");

?>

<!DOCTYPE html>

<html>

    <head>

        <meta charset="utf-8">

        <title>Welcome Home</title>

        <link rel="stylesheet" href="main.css" />
```

```

</head>

<body>

    <div class="form">

        <p>Welcome <?php echo $_SESSION['username']; ?>!</p>

        <p>This is secure area.</p>

        <p><a href="dashboard.php">Dashboard</a></p>

        <p><a href="search.php">Search Books</a></p>

        <a href="logout.php">Logout</a>

    </div>

</body>

</html>

```

### insert.php

```

<?php
require('db.php');
include("auth.php");
$status = "";
if(isset($_POST['submit'])){
    //$trn_date = date("Y-m-d H:i:s");
    $name = $_POST['name'];
    $rate = $_POST['rate'];
    $publisher = $_POST['publisher'];
    $pyear = $_POST['year'];
    $submittedby = $_SESSION["username"];
    $ins_query="insert into new_record
    (bname,brate,publisher,pyear)values
    ('$name','$rate','$publisher','$pyear')";
    mysqli_query($con,$ins_query);
    $status = "New Record Inserted Successfully.
    <br><br><a href='view.php'>View Inserted Record</a>";
}

```

```
?>

<!DOCTYPE html>

<html>

<head>

<meta charset="utf-8">

<title>Insert New Record</title>

<link rel="stylesheet" href="main.css" />

</head>

<body>

<div class="form">

<p><a href="dashboard.php">Dashboard</a>

| <a href="view.php">View Records</a>

| <a href="logout.php">Logout</a></p>

<div>

<h1>Insert New Books</h1>

<form name="form" method="post" action="">

<input type="hidden" name="new" value="1" />

<p><input type="text" name="name" placeholder="Enter Book Name" required /></p>

<p><input type="text" name="rate" placeholder="Enter Book Rate" required /></p>

<p><input type="text" name="publisher" placeholder="Enter Publisher Name" required /></p>

<p><input type="text" name="year" placeholder="Enter Published Year" required /></p>

<p><input name="submit" type="submit" value="Submit" /></p>

</form>

<p style="color:#FF0000;"><?php echo $status; ?></p>

</div>

</div>

</body>

</html>
```

[update.php](#)

```
<?php
```

```

require('db.php');
include("auth.php");
$id=$_REQUEST['id'];
$query = "SELECT * from new_record where bid='$id'";
$result = mysqli_query($con, $query);
$row = mysqli_fetch_assoc($result);
?>
<!DOCTYPE html>
<html>
<head>
<meta charset="utf-8">
<title>Update Record</title>
<link rel="stylesheet" href="main.css" />
</head>
<body>
<div class="form">
<p><a href="dashboard.php">Dashboard</a>
| <a href="insert.php">Insert New Record</a>
| <a href="logout.php">Logout</a></p>
<h1>Update Record</h1>
<?php
$status = "";
if(isset($_POST['update']))
{
$id=$_POST['id'];
$name=$_POST['name'];
$rate=$_POST['rate'];
$publisher=$_POST['publisher'];
$pyear=$_POST['pyear'];
//$submittedby = $_SESSION["username"];
$update="update new_record set

```



```

bname='$name', brate='$rate',publisher='$publisher', pyear='$pyear' where bid='$id'';
mysqli_query($con, $update);
$status = "Record Updated Successfully. </br></br>
<a href='view.php'>View Updated Record</a>";
echo '<p style="color:#FF0000;">'. $status. '</p>';
}else {
?>
<div>
<form name="form" method="post" action="">
<input type="hidden" name="new" value="1" />
<input name="id" type="hidden" value="<?php echo $row['bid'];?>" />
<p><input type="text" name="name" placeholder="Enter Book Name"
required value="<?php echo $row['bname'];?>" /></p>
<p><input type="text" name="rate" placeholder="Enter Book Rate"
required value="<?php echo $row['brate'];?>" /></p>
<p><input type="text" name="publisher" placeholder="Enter Publisher Name"
required value="<?php echo $row['publisher'];?>" /></p>
<p><input type="text" name="pyear" placeholder="Enter Age"
required value="<?php echo $row['pyear'];?>" /></p>
<p><input name="update" type="submit" value="Update" /></p>
</form>
<?php } ?>
</div>
</div>
</body>
</html>

```

<view.php>

```

<?php
require('db.php');
include("auth.php");

```

```
?>

<!DOCTYPE html>

<html>

<head>

<meta charset="utf-8">

<title>View Records</title>

<link rel="stylesheet" href="main.css" />

</head>

<body>

<div class="form">

<p><a href="index.php">Home</a>

| <a href="insert.php">Insert New Record</a>

| <a href="logout.php">Logout</a></p>

<h2>View Records</h2>

<table width="100%" border="1" style="border-collapse:collapse;">

<thead>

<tr>

<th><strong>S.No</strong></th>

<th><strong>Book Name</strong></th>

<th><strong>Book Rate</strong></th>

<th><strong>Book Publisher</strong></th>

<th><strong>Published Year</strong></th>

<th><strong>Edit</strong></th>

<th><strong>Delete</strong></th>

</tr>

</thead>

<tbody>

<?php

$count=1;

$sel_query="Select * from new_record ORDER BY bid desc;";

$result = mysqli_query($con,$sel_query);
```

```

while($row = mysqli_fetch_assoc($result)) { ?>
<tr><td align="center"><?php echo $count; ?></td>
<td align="center"><?php echo $row["bname"]; ?></td>
<td align="center"><?php echo $row["brate"]; ?></td>
<td align="center"><?php echo $row["publisher"]; ?></td>
<td align="center"><?php echo $row["pyear"]; ?></td>
<td align="center">
<a href="update.php?id=<?php echo $row["bid"]; ?>">Edit</a>
</td>
<td align="center">
<a href="delete.php?id=<?php echo $row["bid"]; ?>">Delete</a>
</td>
</tr>
<?php $count++; } ?>
</tbody>
</table>
</div>
</body>
</html>

```

### delete.php

```

<?php
require('db.php');
$id=$_REQUEST['id'];
$query = "DELETE FROM new_record WHERE bid=$id";
$result = mysqli_query($con,$query);
header("Location: view.php");
?>

```

### search.php

```

<?php

```

```
require('db.php');
include("auth.php");
?>
<!DOCTYPE html>
<html>
<head>
<meta charset="utf-8">
<title>Welcome Home</title>
<link rel="stylesheet" href="main.css" />
</head>
<body>

    <div class="form">
<p>Welcome <?php echo $_SESSION['username']; ?>!</p>
<p>This is secure area.</p>
<p><a href="dashboard.php">Dashboard</a></p>
<p><a href="search.php">Search Books</a></p>
<a href="logout.php">Logout</a>

    <form>
    <br/><br/>
        <label for="book">Book Search </label>
        <div>
            <input type="text" id="book" onKeyUp="book_suggestion()">
            <div id="suggestion"></div>
        </div>
        <input name="submit" type="submit" value="Submit" />
    </form>
</div>

<script>
```

```

function book_suggestion()
{
var book = document.getElementById("book").value;
var xhr;
if (window.XMLHttpRequest) { // Mozilla, Safari, ...
    xhr = new XMLHttpRequest();
} else if (window.ActiveXObject) { // IE 8 and older
    xhr = new ActiveXObject("Microsoft.XMLHTTP");
}
var data = "bname=" + book;
xhr.open("POST", "suggestion.php", true);
xhr.setRequestHeader("Content-Type", "application/x-www-form-urlencoded");
xhr.send(data);
    xhr.onreadystatechange = display_data;
    function display_data() {
        if (xhr.readyState == 4) {
            if (xhr.status == 200) {
                //alert(xhr.responseText);
                document.getElementById("suggestion").innerHTML = xhr.responseText;
            } else {
                alert('There was a problem with the request.');
```

```
//provide your hostname, username and dbname
require('db.php');
include("auth.php");
$book_name = $_POST['bname'];
$sql = "select bname from new_record where bname LIKE '$book_name%'";
$result = mysqli_query($con, $sql);
while($row = mysqli_fetch_array($result))
{
echo "<p>".$row['bname']."</p>";
}
?>
```

### logout.php

```
<?php
session_start();
if(session_destroy())
{
header("Location: login.php");
}
?>
```

### main.css

```
body {
    font-family:Arial, Sans-Serif;
}
.clearfix:before, .clearfix:after{
    content: "";
    display: table;
}
.clearfix:after{
    clear: both;
```

```
}  
a{  
    color:#0067ab;  
    text-decoration:none;  
}  
a:hover{  
    text-decoration:underline;  
}  
.form{  
    width: 450px;  
    margin-left: 100px; margin-top: 100px;  
    border:1px solid black;  
    padding:20px;  
}  
input[type='text'], input[type='email'],  
input[type='password'] {  
    width: 400px;  
    border-radius: 2px;  
    border: 1px solid #CCC;  
    padding: 10px;  
    color: #333;  
    font-size: 14px;  
    margin-top: 10px;  
    padding:20px;  
}  
input[type='submit']{  
    padding: 10px 25px 8px;  
    color: #fff;  
    background-color: brown;  
    text-shadow: rgba(0,0,0,0.24) 0 1px 0;  
    font-size: 16px;
```

```
border: 1px solid #0164a5;
border-radius: 2px;
margin-top: 10px;
cursor:pointer;
}
input[type='submit']:hover {
background-color: #024978;
}
```