

Internet and Web Programming
CSE3002
Fall Semester 2020-21

Lab Assignment 10

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Question:

Design a web application using PHP to perform all the Database operations.

Create an address book web application that allows the user to store and retrieve several mailing lists from MySQL database. The address book contains firstname, designation, address1, address2, City, State, emailid. user can add, update and delete all address information's in the database. Implement search operation with emailid, when emailed is given it return an HTML page with all the complete address information .

Code:

index.php

```
<?php
include('db_connect.php');
if(isset($_POST['submit'])) {
$name = $_POST['name'];
$designation = $_POST['designation'];
$add1 = $_POST['add1'];
$add2 = $_POST['add2'];
$city = $_POST['city'];
$state = $_POST['state'];
$email = $_POST['email'];
$sql = "INSERT INTO addresses(emailid, name, designation, address1, address2,
city, state) VALUES('$email', '$name', '$designation', '$add1', '$add2',
'$city', '$state')";
if(mysqli_query($conn, $sql)) {
echo '<div class="success">
Added Successfully !
</div>';
} else {
echo '<div class="error">
Error : ' . mysqli_error($conn) . '
</div>';
}
}
?>
```

```

<?php include 'header.php' ?>
<div class="form-container">
<div class="btns">
<span><a href="index.php"><button>New</button></a></span>
<span><a href="update.php"><button class='disabled'>Update</button></a></span>
<span><a href="delete.php"><button class='disabled'>Delete</button></a></span>
<span><a href="search.php"><button class='disabled' >Search</button></a>
</span>
</div>
<form action="index.php" method='POST'>
<h2>New Entry</h2>
<div class="name">
<input required id="name" type="text" name="name" placeholder="Name">
</div>
<div class="designation">
<input required id="designation" type="text" name="designation" placeh
older="Designation">
</div>
<div class="add1">
<input required id="add1" type="text" name="add1" placeholder="Address1">
</div>
<div class="add2">
<input required id="add2" type="text" name="add2" placeholder="Address2">
</div>
<div class="city">
<input required id="city" type="text" name="city" placeholder="City">
</div>
<div class="state">
<input required id="state" type="text" name="state" placeholder="State">
</div>
<div class="email">
<input required id="email" type="email" name="email" placeholder="Email ID">
</div>
<button name="submit" class="submit" type="submit">Submit</button>
</form>
</div>
</body>
</html>

```

update.php

```

<?php
include('db_connect.php');
if(isset($_POST['submit'])) {
$name = $_POST['name'];
$designation = $_POST['designation'];
$add1 = $_POST['add1'];
$add2 = $_POST['add2'];
$city = $_POST['city'];

```

```

$state = $_POST['state'];
$email = $_POST['email'];
$sql = "UPDATE addresses
SET emailid = '$email', designation= '$designation', address1= '$add1',
address2= '$add2', city= '$city', state= '$state'
WHERE name = '$name'";
if(mysqli_query($conn, $sql)) {
echo '<div class="success">
Updated Successfully !
</div>';
} else {
echo '<div class="error">
Error : ' . mysqli_error($conn) . '
</div>';
}
}
?>
<?php include 'header.php' ?>
<div class="form-container">
<div class="btns">
<span><a href="index.php"><button class="disabled">New</button></a></spa
n>
<span><a href="update.php"><button >Update</button></a></span>
<span><a href="delete.php"><button class="disabled">Delete</button></a>
</span>
<span><a href="search.php"><button class='disabled' >Search</button></a>
</span>
</div>
<form action="update.php" method='POST'>
<h2>Update Entry</h2>
<div class="name">
<input id="name" type="text" name="name" placeholder="Name">
</div>
<div class="designation">
<input id="designation" type="text" name="designation" placeholder="De
signation">
</div>
<div class="add1">
<input id="add1" type="text" name="add1" placeholder="Address 1">
</div>
<div class="add2">
<input id="add2" type="text" name="add2" placeholder="Address 2">
</div>
<div class="city">
<input id="city" type="text" name="city" placeholder="City">
</div>
<div class="state">
<input id="state" type="text" name="state" placeholder="State">
</div>
<div class="email">
<input id="email" type="email" name="email" placeholder="Email ID">

```

```

</div>
<button name="submit" class="submit" type="submit">Submit</button>
</form>
</div>
</body>
</html>

```

delete.php

```

<?php
include('db_connect.php');
if(isset($_POST['submit'])) {
$name = $_POST['name'];
$email = $_POST['email'];
$sql = "DELETE FROM addresses WHERE name= '$name' and emailid= '$email'"
;
if(mysqli_query($conn, $sql)) {
echo '<div class="success">
Deleted Successfully !
</div>';
} else {
echo '<div class="error">
Error : ' . mysqli_error($conn) . '
</div>';
}
}
?>
<?php include 'header.php' ?>
<div class="form-container">
<div class="btns">
<span><a href="index.php"><button class="disabled" >New</button></a></sp
an>
<span><a href="update.php"><button class='disabled'>Update</button></a><
/span>
<span><a href="delete.php"><button >Delete</button></a></span>
<span><a href="search.php"><button class='disabled' >Search</button></a>
</span>
</div>
<form action="delete.php" method='POST'>
<h2>Delete Entry</h2>
<div class="name">
<input id="name" type="text" name="name" placeholder="Name">
</div>
<div class="email">
<input id="email" type="email" name="email" placeholder="Email ID">
</div>
<button name="submit" class="submit" type="submit">Submit</button>
</form>
</div>

```

```
</body>
</html>
```

db_connect.php

```
<?php
// Connect to DB
$conn = mysqli_connect('localhost', 'shivam', '@1SHIVAManand', 'addresses');
if(!$conn){
    echo "Connection Error : " . mysqli_connect_error();
}
?>
```

search.php

```
<?php
include('db_connect.php');
?>
<?php include 'header.php' ?>
<div class="form-container">
    <div class="btns">
        <span><a href="index.php"><button class="disabled">New</button></a></span>
        <span><a href="update.php"><button class="disabled" >Update</button></a>
    </span>
        <span><a href="delete.php"><button class="disabled">Delete</button></a>
    </span>
        <span><a href="search.php"><button >Search</button></a></span>
    </div>
    <form action="search.php" method='POST'>
        <h2>Search Entry</h2>
        <div class="email">
            <input id="email" type="email" name="email" placeholder="Email ID">
        </div>
        <button name="submit" class="submit" type="submit">Submit</button>
    </form>
</div>
<?php

if(isset($_POST['submit'])) {
    $email = $_POST['email'];
    $sql = "SELECT * from addresses WHERE emailid= '$email'";
    $result = mysqli_query($conn, $sql);
    if($result) {
        $address = mysqli_fetch_assoc($result);
        echo "<table>
        <tr>
        <th>Name</th>
        <th>Email ID</th>
```

```

<th>Designation</th>
<th>Address 1</th>
<th>Address 2</th>
<th>City</th>
<th>State</th>
</tr>
<tr>
<td>" . $address['name'] . "</td>
<td>" . $address['emailid'] . "</td>
<td>" . $address['designation'] . " </td>
<td>" . $address['address1'] . "</td>
<td>" . $address['address2'] . "</td>
<td>" . $address['city'] . "</td>
<td>" . $address['state'] . "</td>
</tr>
</table>";
} else {
echo '<div class="error">
Error : ' . mysqli_error($conn) . '
</div>';
}
}
?>
</body>
</html>

```

header.php

```

<!DOCTYPE html>
<html lang="en">
<head>
<meta charset="UTF-8">
<meta name="viewport" content="width=device-width, initial-scale=1.0">
<style>
@import
url('https://fonts.googleapis.com/css2?family=Roboto:ital,wght@0,100;0,300;0,400;0,500;0,700;1,900&display=swap');
* {
font-family: 'Roboto', sans-serif;
box-sizing: border-box;
border-radius:8px;
}
body {
margin: 0;
padding: 0;
background-color:#33FFEB;
}
.header {
font-size: 2rem;
color: red;

```

```
padding: 10px 20px;
text-align: center;
}
.form-container {
display: inline-block;
position: relative;
left: 50%;
transform: translate(-50%);
background-color: white;
margin-top: 20px;
padding: 30px 50px;
}
button {
border: none;
font-size: 1.2rem;
background-color: blue;
color: white;
padding: 10px 40px;
cursor: pointer;
}
.disabled {
background-color: #76686c;
}
a {
color: white;
text-decoration: none;
}
.submit {
margin-top: 30px;
width: 100%;
}
h2 {
color: red;
text-align: center;
font-weight: 200;
}
input {
background-color: transparent;
border: 1px solid black;
padding: 10px;
margin: 5px 0;
width: 100%;
font-size: 1.5rem;
color: black;
}
.error {
padding: 5px;
text-align: center;
background-color: red;
```

```
color: white;
}
.success {
padding: 7px;
text-align: center;
background-color: orange;
color: white;
}
/* Table */
table {
border: 1px solid #0000FF;
border-collapse: collapse;
margin-top: 20px;
padding: 0;
width: 100%;
table-layout: fixed;
}
table caption {
font-size: 1.5em;
margin: .7em 0 .95em;
}
table tr {
background-color: #0080ff;
border: 2px solid #ddd;
padding: .25em;
}
table th,
table td {
padding: .655em;
text-align: center;
}
table th {
font-size: .95em;
letter-spacing: .15em;
text-transform: uppercase;
}
</style>
<title>SQL Assessment</title>
</head>
<body>
<div class='header'>
ISHAAN OHRI 18BCE0265
</div>
```


Output:

Initially all the fields are empty:

ISHAAN OHRI (18BCE0265)

NewUpdateDeleteSearch

New Entry

Name

Address1

Address2

City

State

Email ID

Submit

Initially the database is empty:

phpMyAdmin

Server: 127.0.0.1 • Database: addresses • Table: addresses

Browse Structure SQL Search Insert Export Import Privileges Operations Tracking Triggers

✓ MySQL returned an empty result set (i.e. zero rows) (Query took 0.0020 seconds)

SELECT * FROM `addresses`

☐ Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh]

emailid	name	designation	address1	address2	city	state
---------	------	-------------	----------	----------	------	-------

Query results operations

Create view

Bookmark this SQL query

Label: ☐ Let every user access this bookmark

Bookmark this SQL icon_close-2

Data is filled in all fields for new entry:

ISHAAN OHRI (18BCE0265)

NewUpdateDeleteSearch

New Entry

Ishaan Ohri

Student

Room no:- 745

G Block VIT University

Vellore

Tamil Nadu

ishaan@gmail.com

Submit

Submit button clicked and data is successfully added to database:

Added Successfully !

ISHAAN OHRI (18BCE0265)

NewUpdateDeleteSearch

New Entry

Name

Designation

Address1

Address2

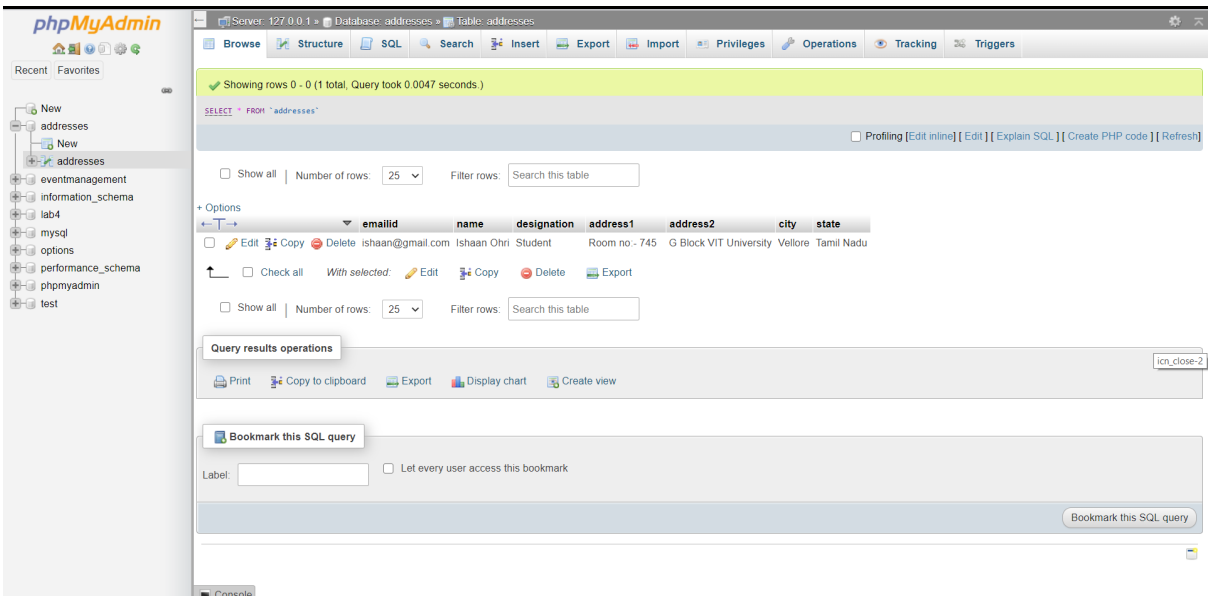
City

State

Email ID

Submit

Data entry to database verified from database:



Data is filled in all fields for updating old entry:

ISHAAN OHRI (18BCE0265)

NewUpdateDeleteSearch

Update Entry

Ishaan Ohri

Student

Room no:- 418

T Block VIT University

Vellore

Tamil Nadu

ishaanohri99@gmail.com

Submit

Submit button clicked and data is successfully updated in database:

Updated Successfully !

ISHAAN OHRI (18BCE0265)

NewUpdateDeleteSearch

Update Entry

Name

Designation

Address 1

Address 2

City

State

Email ID

Submit

Data update in database verified from database:

phpMyAdmin

Server: 127.0.0.1 • Database: addresses • Table: addresses

Showing rows 0 - 0 (1 total, Query took 0.0031 seconds)

SELECT * FROM `addresses`

Number of rows: 25 Filter rows: Search this table

emailid	name	designation	address1	address2	city	state
ishaanohri99@gmail.com	Ishaan Ohri	Student	Room no.- 418	T Block	VIT University	Vellore Tamil Nadu

Number of rows: 25 Filter rows: Search this table

Query results operations

Print Copy to clipboard Export Display chart Create view

Bookmark this SQL query

Label: Let every user access this bookmark

Bookmark this SQL query

Data is filled in the search field:

ISHAAN OHRI (18BCE0265)

NewUpdateDeleteSearch

Search Entry

ishaanohri99@gmail.com

Submit

Submit button clicked and data is fetched database:

ISHAAN OHRI (18BCE0265)

NewUpdateDeleteSearch

Search Entry

Email ID

Submit

NAME	EMAIL ID	DESIGNATION	ADDRESS 1	ADDRESS 2	CITY	STATE
Ishaan Ohri	ishaanohri99@gmail.com	Student	Room no:- 418	T Block VIT University	Vellore	Tamil Nadu

Data is filled in the field to delete the entry:

ISHAAN OHRI (18BCE0265)

NewUpdateDeleteSearch

Delete Entry

Ishaan Ohri

ishaanohri99@gmail.com

Submit

Submit button is clicked and data entry is deleted form database:

Deleted Successfully !

ISHAAN OHRI (18BCE0265)

NewUpdateDeleteSearch

Delete Entry

Name

Email ID

Submit

Data deletion from database is verified from database:

