



**A  
REPORT  
On  
“CRUD” OPERATION USING PHP  
WEB DATABAS PROGRAMMING LAB  
Course Code: CSE-408**

**Submitted To:**

**MD. ATAULLAH BHUIYAN**

*Lecturer Department of CSE  
City University*

**Submitted By:**

***Md Rasel Hossain- 163432521***

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## **ABSTRACT**

CRUD Operation using PHP. CRUD is an acronym for Create, Read, Update, and Delete. CRUD operations are basic data manipulation for database. I will create a simple PHP application to perform all these operations on a MySQL database table at one place. it will be able to create posts that will be saved in a mysql database, retrieve the posts from the database and display them on the web page. Each post will be displayed with an edit and delete button to permit the user to update posts as well as delete them.

## **Hardware Requirements:**

The selection of hardware is very important in the existence and proper working of any software. When selecting hardware, the size and requirements are also important.

Processor	Intel CORE i5
RAM	<b>4.0 GB</b>
Hard Disk Drive	<b>500 GB</b>

## **Software Requirements:**

<b>Number</b>	<b>Description</b>
1	Windows 7,8,10
2	HTML/Css /JavaScript/ Bootstrap.
3	Apache server/ XAMP SERVER
4	PHP
4	MySQL

## Creating the Database Table:

Execute the following SQL query to create a table named employees inside my MySQL database. We will use this table for all of our future operations.

+ Options

					id	firstname	lastname	address
<input type="checkbox"/>	Edit	Copy	Delete		1	MD.Rasel	Hossain	Farmgate, Dhaka
<input type="checkbox"/>	Edit	Copy	Delete		2	Faruqe	Hasan	Dhaka
<input type="checkbox"/>	Edit	Copy	Delete		3	Karim	Hosan	Rajshasi
<input type="checkbox"/>	Edit	Copy	Delete		4	Abul	Hossain	Dhaka
<input type="checkbox"/>	Edit	Copy	Delete		5	Abdul	Rahim	Khulna

↑ ☐ Check all    With selected:   Edit   Copy   Delete   Export

## Creating the connection File:

After creating the table, we need create a PHP script in order to connect to the MySQL database server. Let's create a file named "connection.php" and put the following code inside it.

```
connection.php
1 <?php
2
3     $conn = new mysqli('localhost', 'root', '', 'mydatabase');
4     if($conn->connect_error){
5         die("Connection failed: " . $conn->connect_error);
6     }
7
8 ?>
```

## Creating the index Page:

First we will create a Index page for our CRUD application that contains a data grid showing the records from the employees database table. It also has action icons for each record displayed in the grid, that you may choose to view its details, update it, or delete it.

We'll also add a create button on the top of the data grid that can be used for creating new records in the employees table. Create a file named "index.php" and put the following code in it:

## CRUD Operation using PHP

New

Show

10

▼

entries

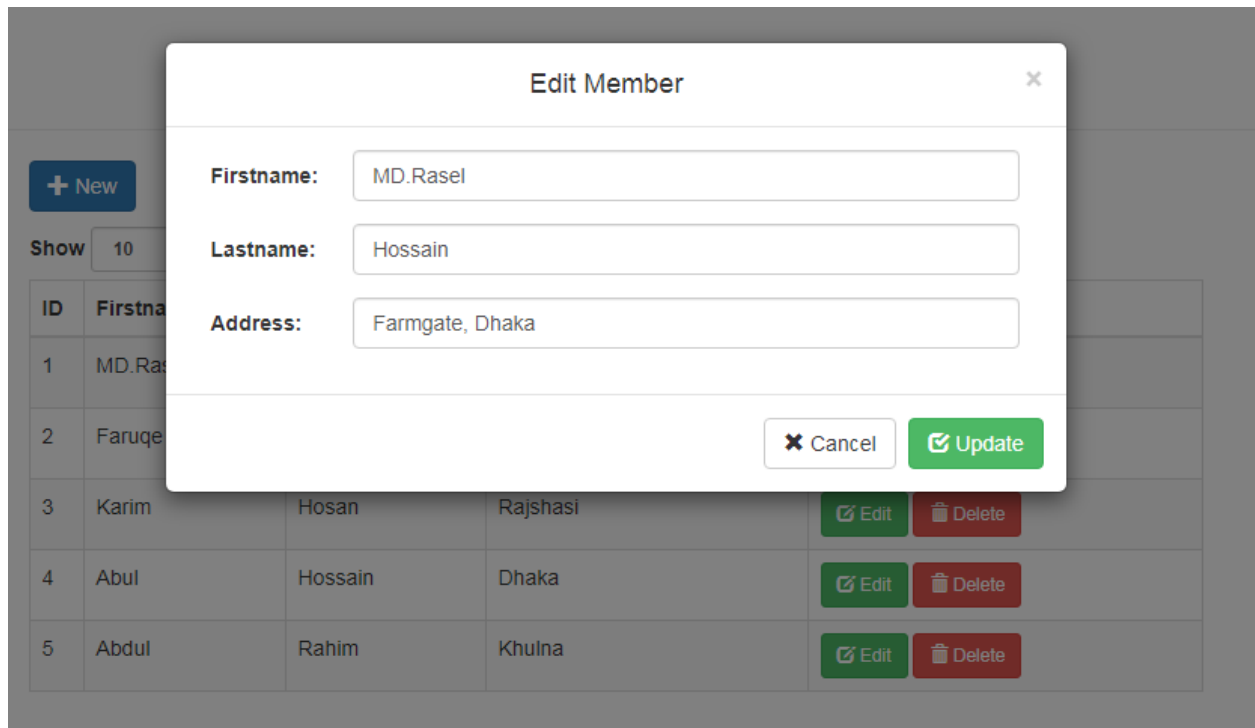
Search:

ID	Firstname	Lastname	Address	Action
1	MD.Rasel	Hossain	Farmgate, Dhaka	<div><div><div></div>Edit</div><div><div></div>Delete</div></div>
2	Faruqe	Hasan	Dhaka	<div><div><div></div>Edit</div><div><div></div>Delete</div></div>
3	Karim	Hosan	Rajshasi	<div><div><div></div>Edit</div><div><div></div>Delete</div></div>
4	Abul	Hossain	Dhaka	<div><div><div></div>Edit</div><div><div></div>Delete</div></div>
5	Abdul	Rahim	Khulna	<div><div><div></div>Edit</div><div><div></div>Delete</div></div>

## Creating the EDIT Page:

Similarly, we can build the Edit functionality of our CRUD application.

Let's create a file named "Edit.php" and put the following code inside it. It will update the existing records in the employees table based the id attribute of the employee. The values will be filled in the form and we will be able to edit them. Since we are editing on the same form as when we are creating, we have to put a condition that determines the appropriate button to be displayed. For example, when editing, we display the update button on the form and when creating, we display the save button. We do this using the update variable



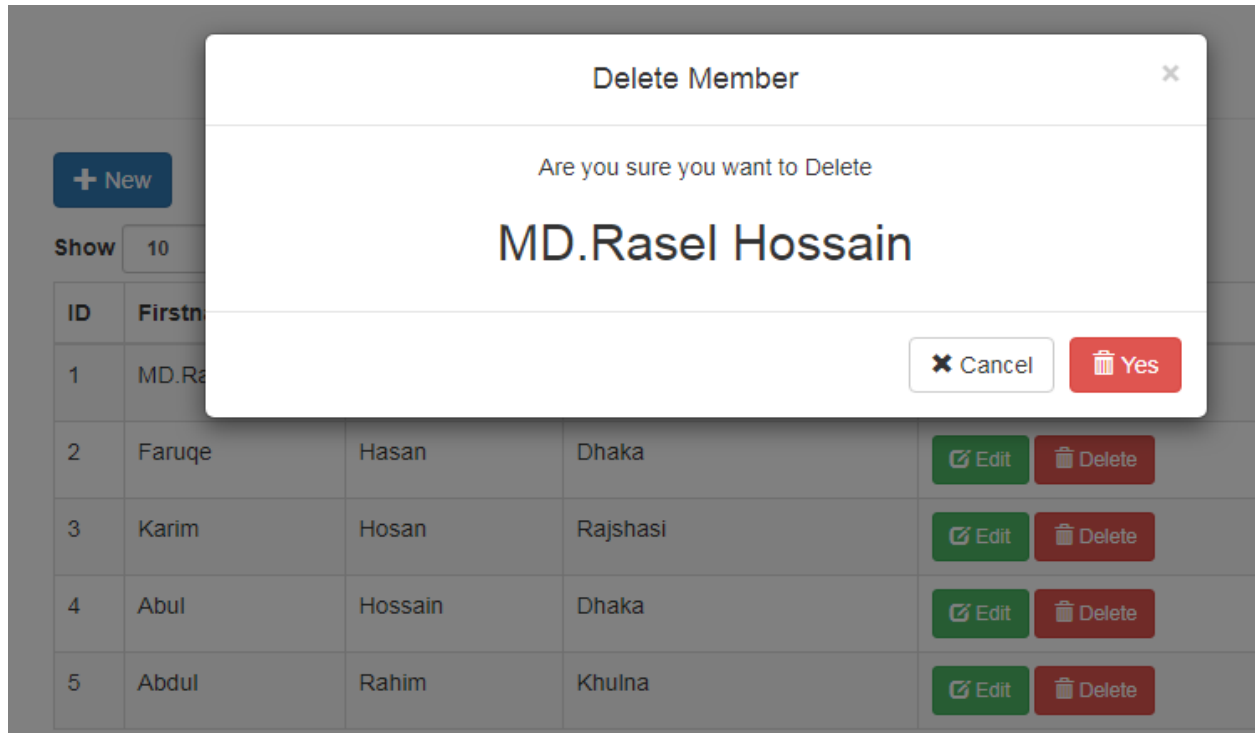
## Code of Edit.php

```
1 <?php
2 session_start();
3 include_once('connection.php');
4
5 if(isset($_POST['edit'])){
6     $id = $_POST['id'];
7     $firstname = $_POST['firstname'];
8     $lastname = $_POST['lastname'];
9     $address = $_POST['address'];
10    $sql = "UPDATE members SET firstname = '$firstname', lastname = '$lastname', address = '$address' WHERE id = '$id'";
11
12    //use for MySQLi OOP
13    if($conn->query($sql)){
14        $_SESSION['success'] = 'Member updated successfully';
15    }
16
17    else{
18        $_SESSION['error'] = 'Something went wrong in updating member';
19    }
20 }
21 else{
22     $_SESSION['error'] = 'Select member to edit first';
23 }
24
25 header('location: index.php');
26
27 ?>
```

## Creating the Delete Page:

Finally, we will build the Delete functionality of our CRUD application.

Let's create a file named "delete.php" and put the following code inside it. It will delete the existing records from the employees table based the id attribute of the employee.



Code of Delete.php

```
connection.php  edit.php  delete.php
1  <?php
2      session_start();
3      include_once('connection.php');
4
5      if(isset($_GET['id'])){
6          $sql = "DELETE FROM members WHERE id = '".$_GET['id']."'";
7
8          //use for MySQLi OOP
9          if($conn->query($sql)){
10             $_SESSION['success'] = 'Member deleted successfully';
11         }
12         else{
13             $_SESSION['error'] = 'Something went wrong in deleting member';
14         }
15     }
16     else{
17         $_SESSION['error'] = 'Select member to delete first';
18     }
19
20     header('location: index.php');
21  ?>
```

## **CONCLUSION:**

I have successfully implemented this CRUD Operation. With the help of various links and tools, we have been able to provide a site. I have been successful in my attempt to take care .Finally i hope that is well,

## **REFERENCE:**

1. [www.javatutpoint.com](http://www.javatutpoint.com)
2. [www.w3schools.com](http://www.w3schools.com)
3. [www.getbootstrap.com](http://www.getbootstrap.com)
4. [www.codeigniter.com](http://www.codeigniter.com)
5. [www.stackoverflow.com](http://www.stackoverflow.com)