

Practical no: 7

Problem Statement: Design and develop dynamic web application using PHP, AJAX and MySQL as a back-end for employee data with insert and view operations.

Name: Aditi Dinesh Mulay

Class: T.E. Computer

Subject: Web Technology

Div: A

Roll no: 02

PRN No. 71918146B

Wt

Practical 7

Aditi Dinesh Mulay
T.F. Comp Div: A
Roll no: 02.

Title - Add dynamic web application essence using
PHP, AJAX, MySQL

Problem statement - Design and develop dynamic web
application using PHP, AJAX & MySQL as a back-
end for employee data with insert and view operations.

Theory Concept:

Ajax remains for Asynchronous Javascript and XML.
AJAX is another procedure for making better, speedier,
and more intelligent dynamic web applications with
the assistance of XML, HTML, CSS, Javascript. Ajax
utilizes XHTML for content, CSS for introduction,
alongside Document Object Model and Javascript for
dynamic substance show.

Customary web applications transmit data to and
from the server utilizing synchronous solicitations. It
implies you to round out a form, hit submit, & get
coordinated to another page with new data
from the server. With AJAX, when you hit submit,
Javascript will influence a demand to server, to
decipher outcomes, & refresh present screen. In the
purest sense, client could never realize that anything
was even transmitted to server.

AJAX instructional exercise covers ideas and
cases of AJAX innovation for apprentices and experts.

AJAX is an acronym for Asynchronous Javascript
and XML. It is gathering of between related
innovations like Javascript, DOM, XML, HTML, CSS,

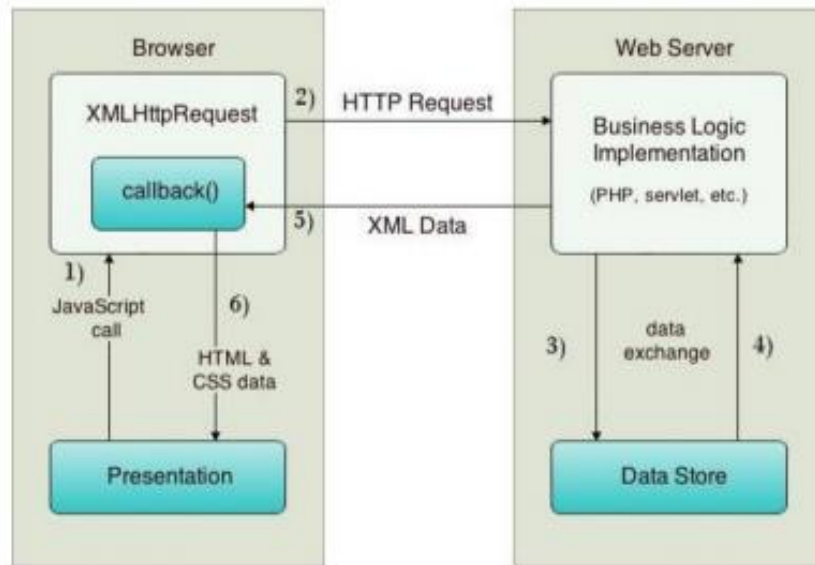


Figure.4: AJAX communication with the server using XML Http Request object

AJAX enables you to send and get information noncurrently without reloading the page. So it is quick.

AJAX enables you to send just essential data to the server not the whole page. So just profitable information from the customer side is steered to the server side. It makes your application intuitive and quicker.

AJAX speaks with the server utilizing XMLHttpRequest generation. How about we endeavor to comprehend the stream of ajax or how ajax functions by the picture showed beneath.

AJAX communicates with the server using XML Http Request object. Let's try to understand the flow of ajax or how ajax works the image displayed below:

* Technology / Tool : AJAX, PHP and MySQL

* Conclusion / Analysis

In this assignment, we have studied how to design and develop small web application using PHP javascript, ajax, XAMPP server with apache server & MySQL as backend.

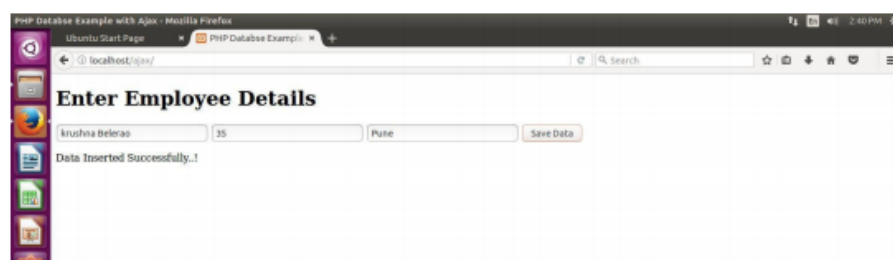
CODE:

```
Untitled - Notepad
File Edit Format View Help
<html>
<head>
<title>PHP Database Example with Ajax </title>
<script
src="https://code.jquery.com/jquery-3.2.1.min.js"
integrity="sha256-hwg4gsxxgfsZOsEamD0YGBfl3FyQuTwIAQxVSNGr4=" crossorigin="anonymous">
</script>
</head>
<body>
<h1> Enter Employee Details </h1>
<form method="post" action="insert.php">
<input type="text" id="name" name="name" placeholder="Enter Name" />
<input type="text" id="age" name="age" placeholder="Enter Age" />
<input type="text" id="city" name="city" placeholder="Enter City" />
<button> Save Data </button>
</form>
<p id="result"></p>
<p id="result"></p>
<a href="display.php">Display</a>
<!-- jquery and ajax code -->
<script>
$(function){
$.submit(function(e){
e.preventDefault();
$.post("insert.php", {
name: $("#name").val(), age: ($("#age").val()), city: ($("#city").val())
}, function(result)
{
if(result == "success")
{$("#result").html("Data Inserted Successfully..!");}
}
else
{
$("#result").html("Error Occured!");}
}
});
});
</script>
</script>
</body>
</html>
```



```
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2. insert.php
<?php
$name = $_POST['name'];
$age = $_POST['age'];
$city = $_POST['city'];
$con = new mysqli('localhost', 'root', '', 'emp');
if($con->connect_error)
{
echo("Error");
}
$stmt = $con->prepare("insert into users(name,age,city) values (?, ?, ?)");
$stmt->bind_param("sis", $name, $age, $city);
if($stmt->execute())
{
echo("success");
}
else
{
echo("fail");
}
?>
in below image URL, you can see that without refreshing whole page only part of page refreshed.
```

in below image URL, you can see that without refreshing whole page only part of page refreshed.

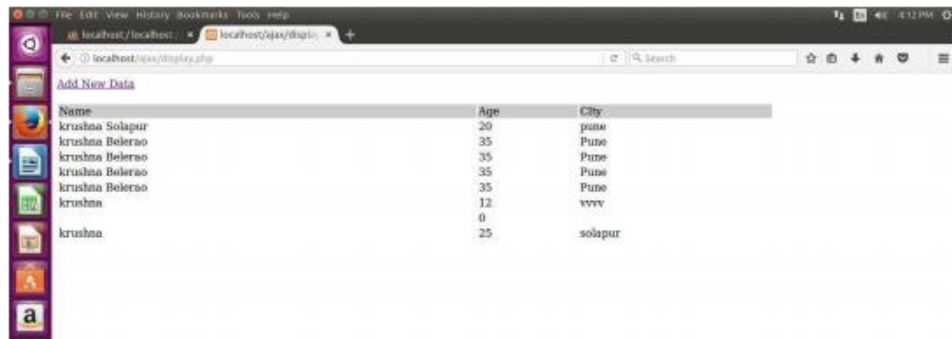


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3. display.php

<?php
include_once("config.php");
// $result = mysql_query("SELECT * FROM users ORDER BY id DESC"); // mysql_query is deprecated
$result = mysqli_query($mysqli, "SELECT * FROM users ORDER BY id DESC"); // using mysqli_query instead
?>
<html>
<body>
<a href="index.html">Add New Data</a><br><br>
<table width="80%" border="0">
<tr bgcolor="#CCCCCC">
<td>Name</td>
<td>Age</td>
<td>City</td>
</tr>
<?php
// while($res = mysql_fetch_array($result)) { // mysql_fetch_array is deprecated, we need to use mysqli_fetch_array
while($res = mysqli_fetch_array($result)) {
echo "<tr>";
echo "<td>". $res['name']. "</td>";
echo "<td>". $res['age']. "</td>";
echo "<td>". $res['city']. "</td>";
echo "</tr>";
}
?>
</table>
</body>
</html>

```



| Name | Age | City |
|-----------------|-----|---------|
| krushna Solapur | 20 | pune |
| krushna Belerao | 35 | Pune |
| krushna Belerao | 35 | Pune |
| krushna Belerao | 35 | Pune |
| krushna Belerao | 35 | Pune |
| krushna | 12 | vvvv |
| krushna | 0 | |
| krushna | 25 | solapur |

```

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4. config.php

<?php
$host = 'localhost';
$dbname = 'emp';
$dbuser = 'root';
$dbpass = '';
$mysqli = mysqli_connect($host, $dbuser, $dbpass, $dbname); ?>

```