CST:499 Week 3 Assignment

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CST 499: Capstone for Computer Software Technology

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**CST:499 Week 3 Assignment**

**Explain how to run a PHP file in XAMPP.**

To run a PHP file in XAMPP, all a person would need to do is go to C:\xampp\htdocs in their file directory. The user would create a new folder inside this file, so it is easier to locate the PHP file later on. Afterward, the user would insert the PHP file into that folder. Then the user would start up XAMPP and start running Apache. Then the user can go into their web browser and input localhost/ (folder name)/, and then a webpage will be displayed with the PHP file running (Kumari & Nandal, 2017).

**Create the landing page, login page, and registration page for new users.**

**Figure 1**

**A screenshot of a student portal

Description automatically generated**

**Figure 2**

**A screenshot of a computer login box

Description automatically generated**

**Figure 3**

**A screen shot of a registration form

Description automatically generated**

**Create the MySQL database and tables.**

**Figure 4**

A screenshot of a computer code

Description automatically generated

**Discuss the MySQL database functions that you used and the steps you took to create the database connection custom class.**

I utilized the MySQL database function “CREAT TABLE” to create a table in the database (Tsui et al., 2018). I used the int function to allow the table to accept numbers into the database; this will go towards counting off each entry number; the auto-increment will then increase the entry number by one for each added entry. Then I used varchar(256), allowing users to enter characters up to 250 inputs long.

**Develop the registration page layout.**

**Figure 5**

**A screen shot of a registration form

Description automatically generated**

**Develop the registration page PHP source code.**

<?php

    include\_once '<includes/Database\_connect.php'

?>

<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

    <meta http-equiv="X-UA-Compatible" content="IE=edge">

    <meta name="viewport" content="width=device-width, initial-scale=1.0">

    <title>Registration Page </title>

</head>

<a href="Homepage.php">Home</a>

    <br />

    <a href="Contact.php">Contact Us</a>

    <br />

    <a href="Login.php">Login</a>

    <br />

    <a href="Registration\_page.php">Registration</a>

<?php

    ?>

<body>

    <div>

        <form action-"Database\_connect.php" method="POST">

            <div class="container">

            <h1>Registration</h1>

            <p>Fill up the form with correct information.</p>

            <input type="text" name"email" placeholder="E-mail">

            <br>

            <input type="text" name"password" placeholder="Password">

            <br>

            <input type="text" name"firstName" placeholder="First Name">

            <br>

            <input type="text" name"lastName" placeholder="Last Name">

            <br>

            <input type="text" name"address" placeholder="Address">

            <br>

            <input type="text" name"phone" placeholder="Phone">

            <br>

            <input type="text" name"student\_id" placeholder="Student Id">

            <br>

            <input type="text" name"SSN" placeholder="SSN">

            <br>

            <button type="submit" name="submit">Submit</button>

         </form>

    </div>

</body>

</html>

**Develop the table that saves the user information in the database.**

**Table 1**

A screenshot of a computer

Description automatically generated**Explain the steps taken to create the registration page and save the user information in the database.**

To create the registration page, I went onto Visual Studio code and created a PHP file to create the registration page. First, I copied over the header I used in the other pages so users can click on different links on the top of the websites to explore other pages linked to this page, such as the homepage; I also utilized "a href =" to connect the other php files I created to the current page so when a user clicks on the header of the website they can go to another webpage without getting stuck. I then connected this webpage to the database so that inputted information would be put into the database. This is done by creating a new php file and then inputting the database's pathway; I also inserted code that would say if the connection to the database was successful because errors can occur without that connection established (Frankston, 2017). I then put the word registration on the top of the page with the words "Fill up the form with correct information." I then used the input type function to allow the user to put their information into the boxes, and I put placeholders in each box with their designed information requirement. Lastly, I used the "button type" function to add a submit button to the registration page.

**Provide screenshots of all developed pages, database, tables, layout, and source code.**

//database connection//

<?php

$dbServer = "localhost";

$dbUsername = "root";

$dbPassword = "";

$dbName = "students";

if ($conn->connect\_error) {

    die("Connection failed: " . $conn->connect\_error);

  }

  echo "Connected successfully";

$con = mysqli\_connect($dbServer, $dbUsername, $dbPassword, $dbName);

if(isset($\_POST['save'])){

    $email = $\_POST['email'];

    $password = $\_POST['password'];

    $firstName = $\_POST['firstName'];

    $lastName = $\_POST['lastName'];

    $address = $\_POST['address'];

    $phone = $\_POST['phone'];

    $student\_id = $\_POST['student\_id'];

    $SSN = $\_POST['SSN'];

$query = "INSERT INTO users (user\_email, user\_password,user\_firstName,

user\_lastName,user\_address,user\_phone,user\_student\_id,user\_SSN) VALUES ('$email','$password','$firstName',

'$lastName','$address','$phone','$student\_id','$SSN')";

$execute = mysqli\_query($conn, $query);

if($execute=== true){

    $msg= "Data was inserted successfully";

  }else{

    $msg= mysqli\_error($conn);

  }

  echo $msg;

  }

<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

    <meta http-equiv="X-UA-Compatible" content="IE=edge">

    <meta name="viewport" content="width=device-width, initial-scale=1.0">

    <title>Student Portal</title>

//Homepage//

</head>

<nav>

<body>

    <h1>Student Portal</h1>

    <a href="Homepage.php">Home</a>

    <br />

    <a href="Contact.php">Contact Us</a>

    <br />

    <a href="Login.php">Login</a>

    <br />

    <a href="Registration\_page.php">Registration</a>

    <br />

    <img src="School.jpg" >

    <?php

        ?>

<?php

    ?>

</body>

</html>

**References**

Frankston, B. (2014). HTML5 [Bits Versus Electrons]. *IEEE Consumer Electronics Magazine, Consumer Electronics Magazine, IEEE, IEEE Consumer Electron. Mag*, *3*(2), 62–67. https://doi.org/10.1109/MCE.2013.2296836

Kumari, P., & Nandal, R. (2017). A Research Paper OnWebsite Development Optimization Using Xampp/PHP. *International Journal of Advanced Research in Computer Science*, *8*(5), 1231–1235.

Tsui, F., Karam, O., & Bernal, B. (2018). [*Essentials of software engineering*](https://uagc.instructure.com/courses/120445/modules/items/6132040)(4th ed.). Jones & Bartlett Learning.