**Experiment 5**

# **AIM:** Using php and mysql develop a fully functional login and registration form. Add features such as forgot password and password matching

**THEORY:**

**HTML F** **ORMS**

An HTML form is used to collect user input. The user input is most often sent to a server for processing

The <form> Element

The HTML <form> element is used to create an HTML form for user input:

The <form> element is a container for different types of input elements, such as: text fields, checkboxes, radio buttons, submit buttons, etc.

The <input> Element

The HTML <input> element is the most used form element.

An <input> element can be displayed in many ways, depending on the type attribute.

Here are some examples:

Type Description

<input type="text"> Displays a single-line text input field

<input type="radio"> Displays a radio button (for selecting one of many choices)

<input type="checkbox"> Displays a checkbox (for selecting zero or more of many choices)

<input type="submit"> Displays a submit button (for submitting the form)

<input type="button"> Displays a clickable button

The <label> Element

The <label> tag defines a label for many form elements.

The <label> element is useful for screen-reader users, because the screen-reader will read out loud the label when the user focus on the input element.

The <label> element also help users who have difficulty clicking on very small regions (such as radio buttons or checkboxes) - because when the user clicks the text within the <label> element, it toggles the radio button/checkbox.

The for attribute of the <label> tag should be equal to the id attribute of the <input> element to bind them together.

Radio Buttons

The <input type="radio"> defines a radio button.

Radio buttons let a user select ONE of a limited number of choices.

Checkboxes

The <input type="checkbox"> defines a checkbox.

Checkboxes let a user select ZERO or MORE options of a limited number of choices.

The Submit Button

The <input type="submit"> defines a button for submitting the form data to a form-handler.

The form-handler is typically a file on the server with a script for processing input data.

The form-handler is specified in the form's action attribute.

The Name Attribute for <input>

Notice that each input field must have a name attribute to be submitted.

If the name attribute is omitted, the value of the input field will not be sent at all.

**PHP**

PHP is an acronym for "PHP: Hypertext Preprocessor"

PHP is a widely-used, open source scripting language

PHP scripts are executed on the server

PHP is free to download and use

PHP can generate dynamic page content

PHP can create, open, read, write, delete, and close files on the server

PHP can collect form data

PHP can send and receive cookies

PHP can add, delete, modify data in your database

PHP can be used to control user-access

PHP can encrypt data

PHP script can be placed anywhere in the document.

A PHP script starts with <?php and ends with ?>:

The default file extension for PHP files is ".php".

A PHP file normally contains HTML tags, and some PHP scripting code

**MYSQL**

MySQL provides a set of some basic but most essential operations that will help you to easily interact with the MySQL database

Some of The Most Important SQL Commands

SELECT - extracts data from a database

UPDATE - updates data in a database

DELETE - deletes data from a database

INSERT INTO - inserts new data into a database

CREATE DATABASE - creates a new database

ALTER DATABASE - modifies a database

CREATE TABLE - creates a new table

ALTER TABLE - modifies a table

DROP TABLE - deletes a table

CREATE INDEX - creates an index (search key)

DROP INDEX - deletes an index

**PROGRAM:**

**USER REGISTERATION PART**

<?php

require('boss/connection.inc.php');

require('boss/functions.inc.php');

$msg = "";

if (isset($\_POST['submit'])) {

    $username = get\_safe\_value($con, $\_POST['username']);

      $email = get\_safe\_value($con, $\_POST['email']);

    $password = get\_safe\_value($con, $\_POST['password']);

    $check\_user=mysqli\_num\_rows(mysqli\_query($con,"select \* from users where username='$username'"));

    if($check\_user>0){

        $msg = "username already exists";

    }else{

        $sql = "INSERT INTO `users` (`id`, `username`, `password`, `email`) VALUES (NULL, '$username', '$password', '$email')";

        mysqli\_query($con,$sql);

        echo "insert";

        $\_SESSION['USER\_LOGIN'] = 'yes';

        $\_SESSION['USER\_USERNAME'] = $username;

        header('location:index.php');

        die();

    }

}

?>

<?php require('nav.php'); ?>

<div class="card">

    <div class="andar">

        <form method="post">

            <div class="imgcontainer">

                <img src="vinay.jpg" alt="Avatar" class="avatar">

            </div>

            <div class="container">

                <div>

                    <label for="username">

                        <h3>

                            USERNAME

                        </h3>

                    </label>

                    <input type="text" name="username" id="" placeholder="username" required>

                </div>

                <div>

                    <label for="email">

                        <h3>

                            EMAIL

                        </h3>

                    </label>

                    <input type="email" name="email" id="" placeholder="email" required>

                </div>

                <div>

                    <label for="password">

                        <h3>

                            PASSWORD

                        </h3>

                    </label>

                    <input type="password" name="password" id="" placeholder="password" required>

                </div>

                <div>

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

                        <h4>

                            REGISTER

                        </h4>

                    </button>

                    <?php echo $msg ?>

                </div>

            </div>

        </form>

    </div>

</div>

<div class="footer">

   <p>Copyright© <a href="http://vinaypanchal.com/">VINAY PANCHAL</a> All right reserved.</p>

</div>

</body>

</html>

**USER LOGIN PART**

<?php

require('boss/connection.inc.php');

require('boss/functions.inc.php');

$msg="";

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

    $username=get\_safe\_value($con,$\_POST['username']);

    $password=get\_safe\_value($con,$\_POST['password']);

    $sql="select \* from users where username='$username' and password='$password'";

    $res=mysqli\_query($con,$sql);

    $count=mysqli\_num\_rows($res);

    if($count>0){

        $\_SESSION['USER\_LOGIN']='yes';

        $\_SESSION['USER\_USERNAME']=$username;

        header('location:index.php');

        die();

    }else{

        $msg="Please enter correct login details";

    }

}

?>

<?php require('nav.php');?>

    <div class="card" >

    <div class="andar">

        <form  method="post">

            <div class="imgcontainer">

                <img src="vinay.jpg" alt="Avatar" class="avatar">

            </div>

            <div class="container">

                <div>

                    <label for="username">

                        <h1>

                            USERNAME

                        </h1>

                    </label>

                    <input type="text" name="username" id="" placeholder="username" required>

                </div>

                <div>

                    <label for="password">

                        <h1>

                            PASSWORD

                        </h1>

                    </label>

                    <input type="password" name="password" id="" placeholder="password" required>

                </div>

                <div>

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

                        <h2>

                            SIGN IN

                        </h2>

                    </button>

                    <?php echo $msg?>

                </div>

                <div>

                <h4 > <a href="forgetpassword.php">forgot password?</a>

                </h4>

                </div>

            </div>

        </form>

    </div>

    </div>

    <div class="footer">

        <p>Copyright© <a href="http://vinaypanchal.com/">VINAY PANCHAL</a> All right reserved.</p>

    </div>

</body>

</html>

**USER FORGOT PASSWORD PART**

<?php

require('boss/connection.inc.php');

require('boss/functions.inc.php');

$msg = "";

if (isset($\_POST['submit'])) {

   $email = get\_safe\_value($con, $\_POST['email']);

   $sql = "select \* from users where email='$email' ";

   $res = mysqli\_query($con, $sql);

   $count = mysqli\_num\_rows($res);

   if ($count > 0) {

      $sql = " SELECT USERNAME FROM `users` WHERE `email`= '$email'";

      $res = mysqli\_query($con, $sql);

      $arrr = mysqli\_fetch\_array($res);

      $username = $arrr['USERNAME'];

      $sql = " SELECT PASSWORD FROM `users` WHERE `email`= '$email'";

      $res = mysqli\_query($con, $sql);

      $arrr = mysqli\_fetch\_array($res);

      $password = $arrr['PASSWORD'];

      $html = "<table><tr><td>username</td><td>$username</td></tr><tr><td>Email</td><td>$email</td></tr><tr><td>password</td><td>$password</td></tr</table>";

      $khudkaemail = "";

      $khudkapassword = "";

      include('smtp/PHPMailerAutoload.php');

      $mail = new PHPMailer(true);

      $mail->isSMTP();

      $mail->Host = "smtp.gmail.com";

      $mail->Port = 587;

      $mail->SMTPSecure = "tls";

      $mail->SMTPAuth = true;

      $mail->Username = $khudkaemail;

      $mail->Password = $khudkapassword;

      $mail->SetFrom($khudkaemail);

      $mail->addAddress($email);

      $mail->IsHTML(true);

      $mail->Subject = "New Contact Us";

      $mail->Body = $html;

      $mail->SMTPOptions = array('ssl' => array(

         'verify\_peer' => false,

         'verify\_peer\_name' => false,

         'allow\_self\_signed' => false

      ));

      if ($mail->send()) {

         $msg = "mail has been sent";

      } else {

         $msg = "mail has not been sent";

      }

   } else {

      $msg = "Please enter correct email id";

   }

}

require('nav.php'); ?>

<div class="card">

   <div class="andar">

      <form method="post">

         <div class="imgcontainer">

            <img src="vinay.jpg" alt="Avatar" class="avatar">

         </div>

         <div class="container">

            <div>

               <label for="email">

                  <h3>

                     EMAIL

                  </h3>

               </label>

               <input type="email" name="email" id="" placeholder="email" required>

            </div>

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

               <h2>

                  submit

               </h2>

            </button>

            <?php echo $msg ?>

         </div>

   </div>

   </form>

</div>

</div>

<div class="footer">

   <p>Copyright© <a href="http://vinaypanchal.com/">VINAY PANCHAL</a> All right reserved.</p>

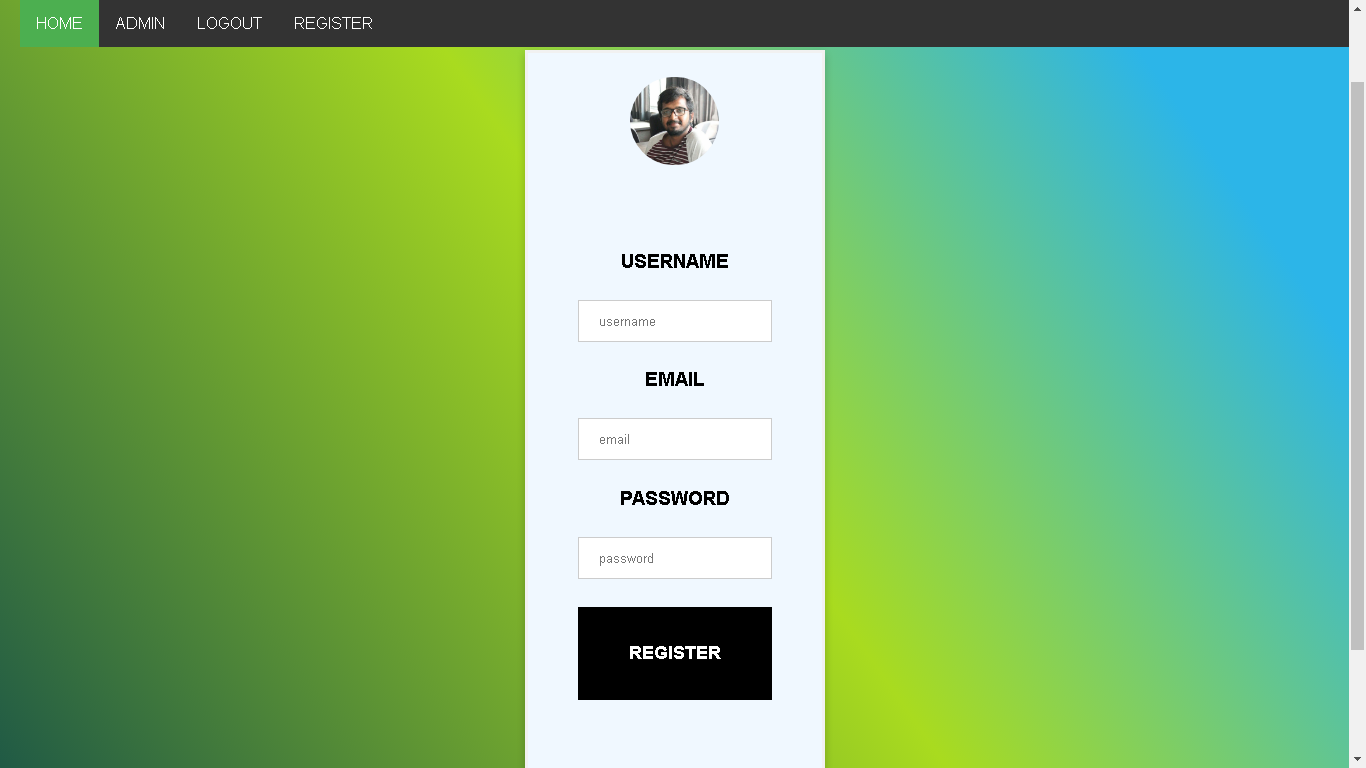
</div>

</body>

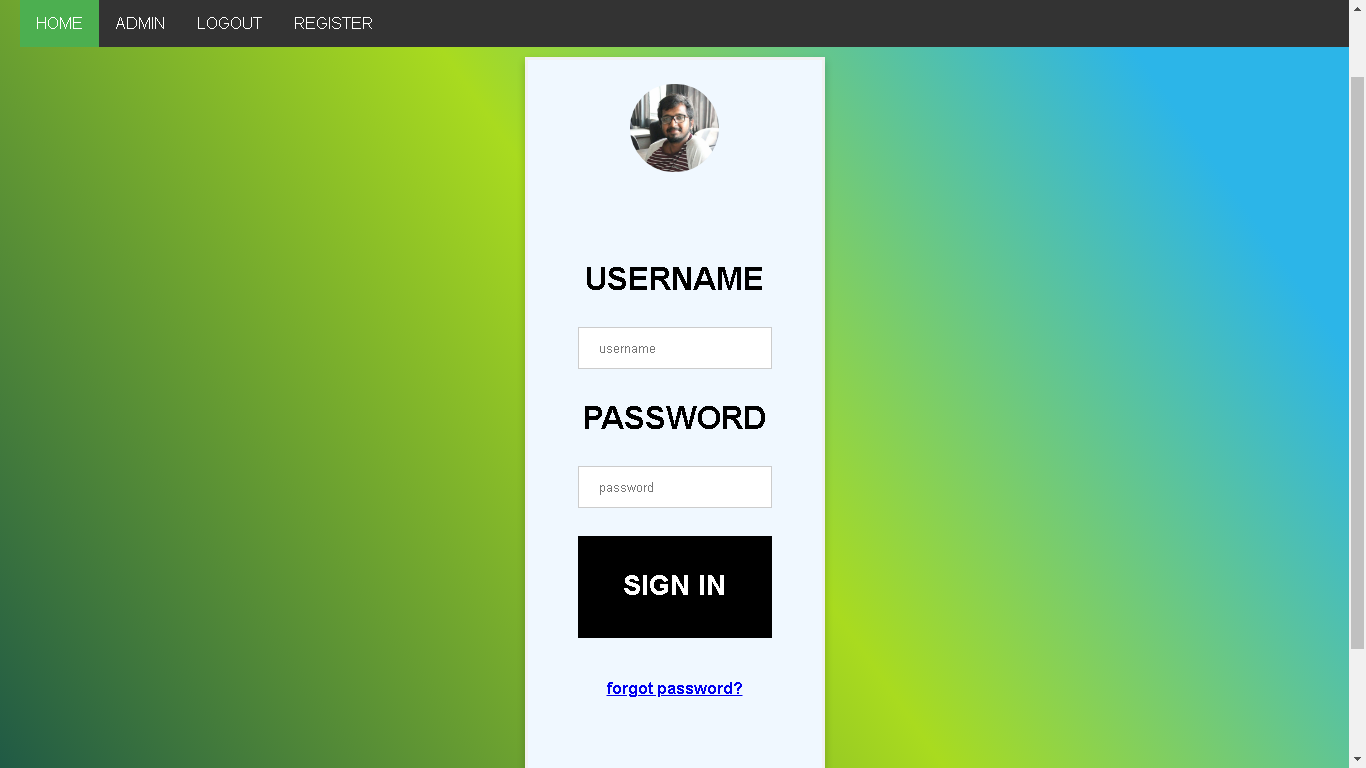
</html>

**OUTPUT:**

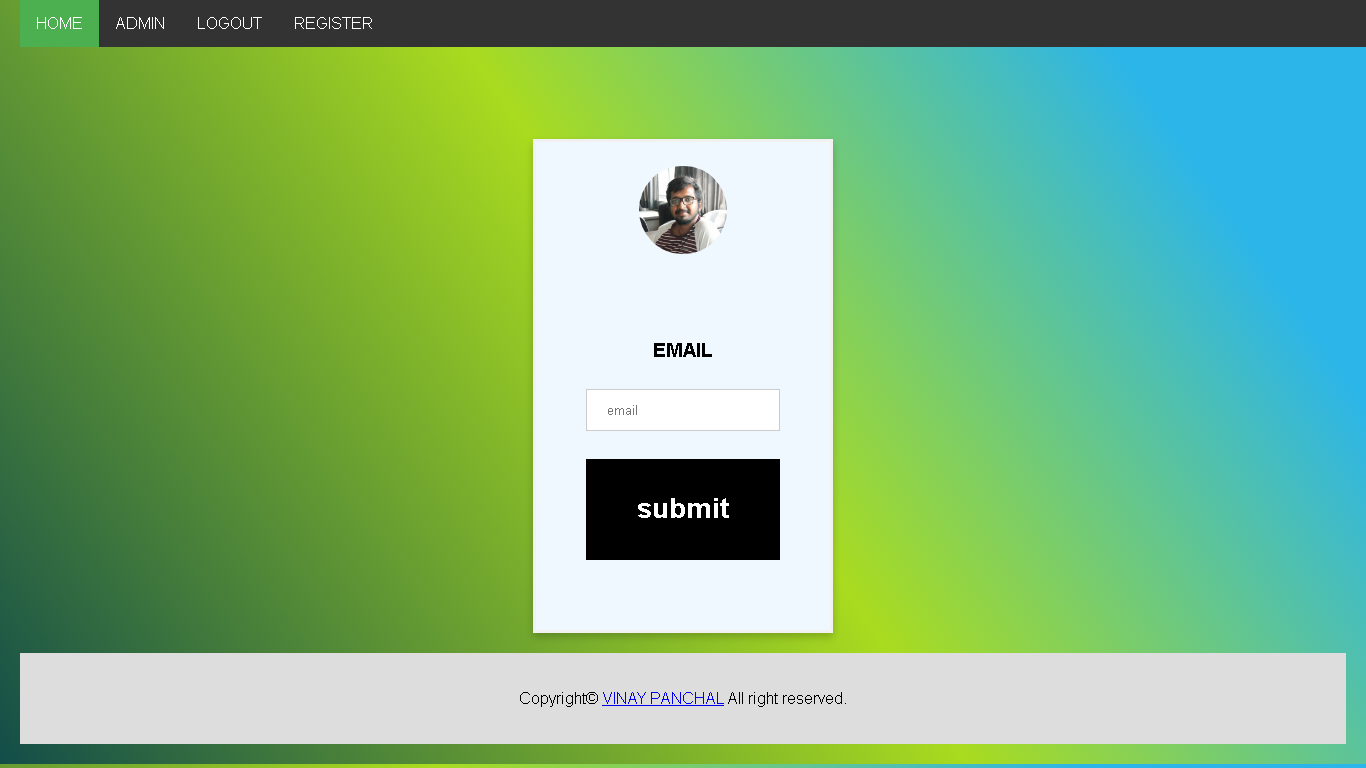
**USER REGISTERATION PART**



**USER LOGIN PART**



**USER FORGOT PASSWORD PART**



**CONCLUSION**

Thus, developed a fully functional login and registration form using PhP and mysql.