**Practical:4**

**Aim**:

|  |  |
| --- | --- |
| Design and implement complete Login, Logout and Registration form application using PHP and Mysqli. Also implement Session **[Create Session, Display session value and destroy session]** and Session timeout |  |
| **Program code:** |

**Database config:**

<?php

session\_start();

$now = time(); // Checking the time now when home page starts.

if(empty($\_SESSION['username'])){

header("Location:form.html");

}else{

if ($now > $\_SESSION['expire']) {

session\_destroy();

echo "Your session has expired! <a href='form.html'>Login here</a>";

}else{

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

echo "<h1>Welcome ".$username." </h1><br>Your session will expire after 1 minute!!<br>";

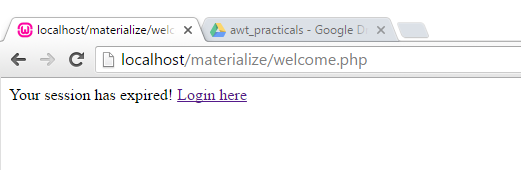
echo '<a href="logout.php">Logout</a>';

}

}

?>

**Output:**

****

**Form:**

<!Doctype html>

<head>

<title>Z form</title>

<meta name="viewport" content="width=device-width, initial-scale=1">

<link rel="stylesheet" href="https://fonts.googleapis.com/icon?family=Material+Icons">

<link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/materialize/0.97.3/css/materialize.min.css">

<script type="text/javascript" src="https://code.jquery.com/jquery-2.1.1.min.js"></script>

<script src="https://cdnjs.cloudflare.com/ajax/libs/materialize/0.97.3/js/materialize.min.js"></script>

</head>

<body class="container">

<div class="row">

<form class="col s6" id="registerform" action="signup.php" method="POST">

<div class="card-panel">

<div class="row">

<span class="card-title">Register Now.</span>

</div>

<div class="row">

<div class="input-field col s12">

<i class="material-icons prefix">account\_circle</i>

<input placeholder="Username" value="" name="username" type="text" class="active validate" required>

<label for="name">Username</label>

</div>

</div>

<div class="row">

<div class="input-field col s12">

<i class="material-icons prefix">email\_circle</i>

<input placeholder="Email" value="" name="emailid" type="email" class="active validate" required>

<label for="name">Email Id</label>

</div>

</div>

<div class="row">

<div class="input-field col s12">

<i class="mdi-action-lock-outline prefix"></i>

<input placeholder="Password" value="" name="password" type="password" class="active validate" required>

<label for="name">Password</label>

</div>

</div>

<div class="row">

<div class="input-field col s12">

<div class="input-field col s6">

<i class="material-icons prefix">account\_circle</i>

<input class="with-gap" name="gender" value="male" type="radio" id="male" class="active validate" required />

<label for="male">Male</label>

<input class="with-gap" name="gender" value="female" type="radio" id="female" />

<label for="female">Female</label>

</div>

</div>

</div>

<div class="row">

<div class="input-field col s12">

<button class="btn cyan waves-effect waves-light right" type="submit" name="signup\_button">Sign Up

<i class="mdi-content-send right"></i>

</button>

</div>

</div>

</div>

</form>

<form class="col s6" id="loginform" action="login.php" method="POST">

<div class="card-panel">

<div class="row">

<span class="card-title">Log In.</span>

</div>

<div class="row">

<div class="input-field col s12">

<i class="material-icons prefix">account\_circle</i>

<input placeholder="Email ID" name="emailid" type="text" class="active validate" required>

<label for="name">Emaild ID</label>

</div>

</div>

<div class="row">

<div class="input-field col s12">

<i class="mdi-action-lock-outline prefix"></i>

<input placeholder="Password" name="password" type="password" class="active validate" required>

<label for="name">Password</label>

</div>

</div>

<div class="row">

<div class="input-field col s12">

<button class="btn cyan waves-effect waves-light right" type="submit" name="login\_button">Login

<i class="mdi-content-send right"></i>

</button>

</div>

</div>

</div>

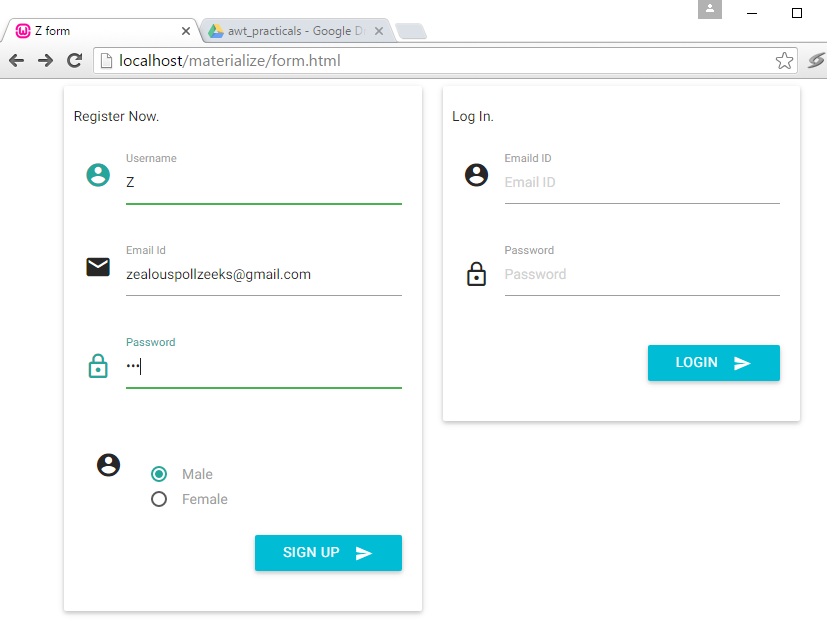
</form>

</div>

</body>

</html>

**Output:**

****

**Login:**

<?php

include("config/config.php");

include("class/mainclass.php");

if(!$conn){

echo " login says not connected to server ";

}

else{

echo " login says connected to server ";

$userobj1 = new mainclass();

$userobj1 -> setconn($conn);

$userobj1 -> login();

}

?>

**Logout:**

<?php

// Start the session

session\_start();

// remove all session variables

session\_unset();

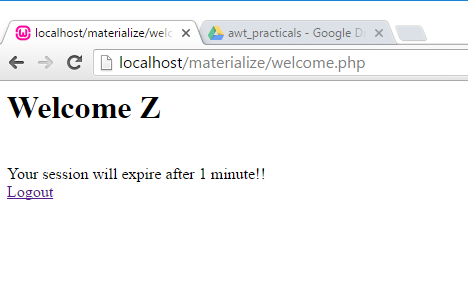
// destroy the session

session\_destroy();

header("Location:form.html")

?>

**Output:**

****

**Mainclass:**

<?php

include ('config/config.php');

date\_default\_timezone\_set('Etc/UTC');

class Mainclass{

private $connection;

public function setconn($conn){

$this->connection = $conn;

// echo "<br>set conn called";

}

public function signup(){

if(isset($\_POST['signup\_button'])){

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

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

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

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

//echo $emailid;

$query\_verify\_email = "SELECT \* FROM users WHERE '$emailid' = emailid ";

$result\_verify\_email = mysqli\_query($this->connection, $query\_verify\_email);

if (!$result\_verify\_email) {

// echo ' Database Error Occured ';

}

echo "warn :".mysqli\_num\_rows($result\_verify\_email) ." ok";

if (mysqli\_num\_rows($result\_verify\_email) == 0) {

$query\_insert\_user = "INSERT INTO users VALUES ('$username','$emailid','$password','$gender')";

$result\_insert\_user = mysqli\_query($this->connection, $query\_insert\_user);

if (!$result\_insert\_user) {

echo 'Query Failed ';

}

if (mysqli\_affected\_rows($this->connection) == 1) {

echo "Registered!";

// header("Location:form.html/register");

}else {

echo 'You could not be registered due to a system error. We apologize for any inconvenience';

}

} else {

echo 'That email address has already been registered';

}

} //form submitted if completed

else{

echo "Form not submitted";

}

mysqli\_close($this->connection); //Close the Connection

}//end sign up

//truncate function starts

public function truncate(){

echo "truncate called";

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

echo "form submitted";

$queryresult = $this->query("truncate table pollzeeks.users;");

if(!$queryresult){

echo "truncate error";

}else{

echo "truncate successfully";

}

}else{

echo "Form:truncate not submitted ";

}

}

//truncate function over

//login function stars

public function login(){

if(isset($\_POST['login\_button'])){

echo "submitted login";

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

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

$query\_verify\_email = "SELECT emailid FROM users WHERE emailid ='$emailid'"; // note '$' otherwise error so must include '' for var

$result\_verify\_email = mysqli\_query($this->connection, $query\_verify\_email);

if (mysqli\_num\_rows($result\_verify\_email) == 0) { //means emailid not found

echo '<div class="errormsgbox">1.Emaildid or password is invalid.</div>';

}else{

$row = mysqli\_fetch\_row($result\_verify\_email);

print\_r($row);

$query\_verify\_password = "SELECT username from users WHERE emailid='$emailid' && password='$password'"; // note '$' otherwise error must include '' for var

$result\_verify\_password = mysqli\_query($this->connection,$query\_verify\_password);

$num = mysqli\_num\_rows($result\_verify\_password);

if($num == 0){

echo "2.Emaildid or password is invalid";

}else{

$row = mysqli\_fetch\_row($result\_verify\_password);

print\_r($row);

session\_start();

$\_SESSION['start'] = time();

$\_SESSION['expire'] = $\_SESSION['start'] + (1 \* 60);

$\_SESSION['username'] = $row[0];

header("Location:welcome.php");

}

}

}else{

echo "login form not submitted";

}

}

//login function over

}//end main class

?>

**Signup:**

<?php

include("config/config.php");

include("class/mainclass.php");

if(!$conn){

echo "signup says not connected to server";

}

else{

echo "signup says connected to server";

$userobj = new mainclass();

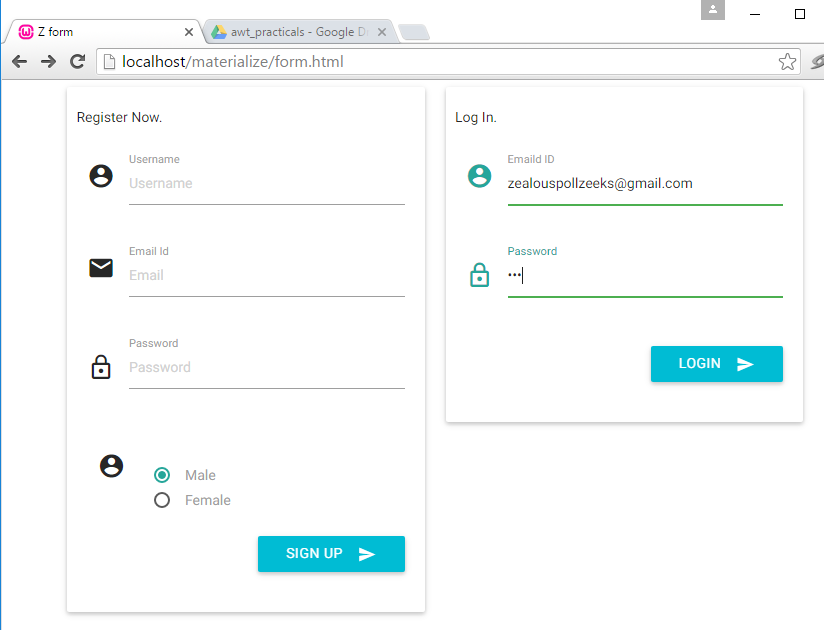
$userobj -> setconn($conn);

$userobj -> signup();

}

?>

**Output:**

****

**Welcome page:**

<?php

session\_start();

$now = time(); // Checking the time now when home page starts.

if(empty($\_SESSION['username'])){

header("Location:form.html");

}else{

if ($now > $\_SESSION['expire']) {

session\_destroy();

echo "Your session has expired! <a href='form.html'>Login here</a>";

}else{

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

echo "<h1>Welcome ".$username." </h1><br>Your session will expire after 1 minute!!<br>";

echo '<a href="logout.php">Logout</a>';

}

}

?>