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Class : MSc(ICT) – Sem 3

Subject : 304 – Open Source Web Development

Git Url : https://github.com/HenishaTechie/php_Assignment3

1. Develop a Shopping cart in PHP.

Admin/admin login.php

```
<?php
// Start a session
session_start();

if ($_SERVER["REQUEST_METHOD"] == "POST") {
    // Check the username and password (you should use a more secure authentication
    method)
    $username = "admin";
    $password = "admin";

    if ($_POST["username"] == $username && $_POST["password"] == $password) {
        $_SESSION["user"] = $username;
        header("Location: admin_dashboard.php");
        exit;
    } else {
        $error = "Invalid login credentials.";
    }
}

?>

<!DOCTYPE html>
<html>
<head>
    <title>Admin Login</title>
</head>
<body>
    <h2>Admin Login</h2>
    <form method="post">
        Username: <input type="text" name="username"><br><br>
        Password: <input type="password" name="password"><br>
        <input type="submit" value="Login">
    </form>
    <?php if (isset($error)) { echo $error; } ?>
</body>
</html>
```

Admin Login

Username:

Password:

Admin/admin_dashboard.php

```
<?php
session_start();

if (!isset($_SESSION["user"])) {
    header("Location: admin_login.php");
    exit;
}
$username = $_SESSION['user'];

$servername = "localhost";
$username = "root";
$password = "root";
$dbname = "shopping_cart";

$conn = mysqli_connect($servername, $username, $password, $dbname);

if (!$conn) {
    die("Connection failed: " . mysqli_connect_error());
}

$sql = "SELECT * FROM category";
$result = mysqli_query($conn, $sql);

if (!$result) {
    die("Error: " . mysqli_error($conn));
}
?>
<!DOCTYPE html>
<html>
<head>
    <title>Welcome</title>
</head>
<body>
<h2>Welcome, <?php echo $_SESSION["user"]; ?></h2>
    <h2>Categories</h2>
    <table border="1">
        <tr>
            <th>Category ID</th>
            <th>Category Name</th>
            <th>Actions</th>

```

```

        </tr>
        <?php
        while ($row = mysqli_fetch_assoc($result)) {
            echo "<tr>";
            echo "<td>" . $row['cid'] . "</td>";
            echo "<td>" . $row['cname'] . "</td>";
            echo "<td><a href='update_category.php?id=" . $row['cid'] .
        "">Update</a></td>";
            echo "</tr>";
        }
        ?>
    </table>
    <p> <a href="manage_categories.php">Add Categories</a><br>
    <a href="manage_products.php">Manage Products</a><br>
    <a href="admin_logout.php">Logout</a></p>
</body>
</html>

```

output

Welcome, admin

Categories

Category ID	Category Name	Actions
1	TV	Update
2	Mobile2	Update

[Add Categories](#)
[Manage Products](#)
[Logout](#)

Update category.php

```

<?php
$servername = "localhost";
$username = "root";
$password = "root";
$dbase = "shopping_cart";

$conn = mysqli_connect($servername, $username, $password, $dbase);

if (!$conn) {
    die("Connection failed: " . mysqli_connect_error());
}

if (isset($_GET['id'])) {
    $category_id = $_GET['id'];

    if ($_SERVER['REQUEST_METHOD'] === 'POST') {
        $new_category_name = $_POST['new_category_name'];
    }
}

```

```

        $sql = "UPDATE category SET cname = '$new_category_name' WHERE cid =
$category_id";

        if (mysqli_query($conn, $sql)) {
            echo "Category updated successfully.";
            header('Location: admin_dashboard.php');
        } else {
            echo "Error updating category: " . mysqli_error($conn);
            header('Location: admin_dashboard.php');
        }
    }

    $sql = "SELECT cname FROM category WHERE cid = $category_id";
    $result = mysqli_query($conn, $sql);
    $row = mysqli_fetch_assoc($result);
    $current_category_name = $row['cname'];
}

mysqli_close($conn);
?>

<!DOCTYPE html>
<html>
<head>
    <title>Update Category</title>
</head>
<body>
    <h2>Update Category</h2>
    <?php if (isset($current_category_name)) { ?>
        <form method="post" action="">
            <label for="new_category_name">New Category Name:</label>
            <input type="text" name="new_category_name" id="new_category_name"
value="<?php echo $current_category_name; ?>" required><br><br>
            <input type="submit" value="Update Category">
        </form>
    <?php } else {
        echo "Category not found.";
    } ?>
</body>
</html>

```

Output

Update Category

New Category Name:

Manage_products.php

```
<?php
$servername = "localhost";
$username = "root";
$password = "root";
$database = "shopping_cart";

$conn = mysqli_connect($servername, $username, $password, $database);

if (!$conn) {
    die("Connection failed: " . mysqli_connect_error());
}

$sql = "SELECT p.pid, p.name, p.price, p.qty, p.img, c.cname
        FROM product p
        JOIN category c ON p.cid = c.cid";

$result = mysqli_query($conn, $sql);
?>

<!DOCTYPE html>
<html>
<head>
    <title>Product List</title>
</head>
<body>
    <h2>Product List</h2>
    <table border="1">
        <tr>
            <th>Product ID</th>
            <th>Product Name</th>
            <th>Price</th>
            <th>Quantity</th>
            <th>Image</th>
            <th>Category</th>
        </tr>
        <?php
        while ($row = mysqli_fetch_assoc($result)) {
            echo "<tr>";
            echo "<td>" . $row['pid'] . "</td>";
            echo "<td>" . $row['cname'] . "</td>";
            echo "<td>" . $row['name'] . "</td>";
            echo "<td>" . $row['price'] . "</td>";
            echo "<td>" . $row['qty'] . "</td>";
            echo "<td><img src='" . $row['img'] . "' alt='" . $row['name'] . "'
width='100' height='100'></td>";
            echo "</tr>";
        }
    <?php
    ?>
```


```

</table>
<p><a href="add_product.php">Add New Product</a></p>
<p><a href="admin_dashboard.php">Back to dashboard</a></p>

</body>
</html>

```

Output

Product ID	Product Name	Price	Quantity	Image	Category
4	TV	samsung	50000	2	

[Add New Product](#)
[Back to dashboard](#)

Add_product.php

```

<!DOCTYPE html>
<html>
<head>
    <title>Insert Product</title>
</head>
<body>
    <h2>Insert Product</h2>
    <form method="post"
    enctype="multipart/form-data">
        <label for="category">Category:</label>
        <select name="category" id="category">
            <?php
                $servername = "localhost";
                $username = "root";
                $password = "root";
                $database = "shopping_cart";

                $conn = mysqli_connect($servername, $username, $password, $database);

                if (!$conn) {
                    die("Connection failed: " . mysqli_connect_error());
                }

                $sql = "SELECT * FROM category";
                $result = mysqli_query($conn, $sql);

                while ($row = mysqli_fetch_assoc($result)) {

```

```

        echo "<option value='" . $row['cid'] . "'>" . $row['cname'] .
"</option>";
    }
    ?>
</select><br><br>

<label for="name">Product Name:</label>
<input type="text" name="name" id="name" required><br><br>

<label for="qty">Quantity:</label>
<input type="number" name="qty" id="qty" required><br><br>

<label for="price">Price:</label>
<input type="number" step="0.01" name="price" id="price" required><br><br>

<label for="image">Image:</label>
<input type="file" name="image" id="image" accept="image/*"
required><br><br>

<input type="submit" value="Insert Product">
</form>
<a href="manage_products.php">Back to List of Product </a>
<p><a href="admin_dashboard.php">Back to dashboard</a></p>

</body>
</html>
<?php

if ($_SERVER['REQUEST_METHOD'] === 'POST') {
    $cid = $_POST['category'];
    $name = $_POST['name'];
    $qty = $_POST['qty'];
    $price = $_POST['price'];

    $targetDir = "uploads/";
    $targetFile = $targetDir . basename($_FILES['image']['name']);

    if (move_uploaded_file($_FILES['image']['tmp_name'], $targetFile)) {

        $sql = "INSERT INTO product (cid, name, qty, price, img) VALUES ($cid,
'$name', $qty, $price, '$image')";

        if (mysqli_query($conn, $sql)) {
            echo "Product inserted successfully.";
            header('Location: manage_products.php');
        } else {
            echo "Error inserting product: " . mysqli_error($conn);
            header('Location: manage_products.php');
        }
    } else {

```

```

        echo "Error uploading the image.";
    }
}
?>

```

Output

admin logout.php

```

<?php
session_start();
session_destroy();
header("Location: admin_login.php");
exit;
?>

```

User/registration.php

```

<?php
$servername = "localhost";
$username = "root";
$password = "root";
$dbname = "shopping_cart";

$conn = mysqli_connect($servername, $username, $password, $dbname);

if (!$conn) {
    die("Connection failed: " . mysqli_connect_error());
}

// User registration logic
if ($_SERVER['REQUEST_METHOD'] === 'POST' && isset($_POST['register'])) {
    $name = $_POST['name'];
    $email = $_POST['email'];
    $password = $_POST['password'];
}

```



```

    $sql = "INSERT INTO user (name, email, password) VALUES ('$name', '$email',
'$password')";

    if (mysqli_query($conn, $sql)) {
        echo "Registration successful";
        header('Location: ulogin.php');
    } else {
        echo "Error: " . mysqli_error($conn);
    }
}
?>

<!DOCTYPE html>
<html>
<head>
    <title>Registration</title>
</head>
<body>
    <h2>Registration</h2>
    <form method="post" action="">
        <label for="name">Name:</label>
        <input type="text" name="name" id="name" required><br><br>

        <label for="email">Email:</label>
        <input type="email" name="email" id="email" required><br><br>

        <label for="password">Password:</label>
        <input type="password" name="password" id="password" required><br><br>

        <input type="submit" name="register" value="Register">
    </form>
</body>
</html>

```

Output

Registration

Name:

Email:

Password:

ulogin.php

```
<?php
session_start();

if ($_SERVER['REQUEST_METHOD'] === 'POST' && isset($_POST['login'])) {
    $username1 = $_POST['username'];
    $password = $_POST['password'];

    // Database connection
    $conn = mysqli_connect("localhost", "root", "root", "shopping_cart");

    if (!$conn) {
        die("Connection failed: " . mysqli_connect_error());
    }

    // Query to check both username and password
    $sql = "SELECT * FROM user WHERE email = '$username1' AND password = '$password'";

    $result = mysqli_query($conn, $sql);

    if (mysqli_num_rows($result) == 1) {
        $row = mysqli_fetch_assoc($result);
        $_SESSION['username'] = $username1; // Store the username in the session
        header('Location: user.php'); // Redirect to a welcome page
    } else {
        echo "Login failed. Please try again.";
    }

    mysqli_close($conn);
}
?>

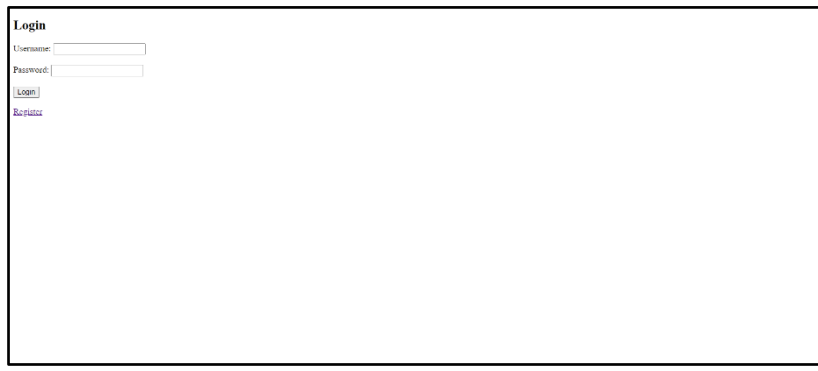
<!DOCTYPE html>
<html>
<head>
    <title>Login</title>
</head>
<body>
    <h2>Login</h2>
    <form method="post" action="">
        <label for="username">Username:</label>
        <input type="text" name="username" id="username" required><br><br>

        <label for="password">Password:</label>
        <input type="password" name="password" id="password" required><br><br>

        <input type="submit" name="login" value="Login">
    </form>
    <p><a href="registration.php">Register</a></p>
</body>
```

</html>

Output



User.php

```
<?php
session_start();

if (!isset($_SESSION['username'])) {
    header('Location: ulogin.php'); // Redirect to the login page if not logged in
    exit();
}

$username = $_SESSION['username'];

// Database connection
$conn = mysqli_connect("localhost", "root", "root", "shopping_cart");

if (!$conn) {
    die("Connection failed: " . mysqli_connect_error());
}

// Retrieve the list of products from the database
$sql = "SELECT * FROM product";
$result = mysqli_query($conn, $sql);
?>

<!DOCTYPE html>
<html>
<head>
    <title>Welcome</title>
    <style>
        table {
            border-collapse: collapse;
            width: 80%;
        }
        table, th, td {
            border: 1px solid #ccc;
        }
        th, td {
            padding: 8px;
            text-align: center;
        }
    </style>
</head>
</html>
```

```

        img {
            max-width: 100px;
            max-height: 100px;
        }
    </style>
</head>
<body>
    <h2>Welcome, <?php echo $username; ?>!</h2>
    <p><a href="logout1.php">Logout</a></p>

    <h3>Product List</h3>

    <table>
        <thead>
            <tr>
                <th>Product</th>
                <th>Image</th>
                <th>Name</th>
                <th>Price</th>
                <th>Action</th>
            </tr>
        </thead>
        <tbody>
            <?php
            while ($row = mysqli_fetch_assoc($result)) {
                echo "<tr>";
                echo "<td>" . $row['pid'] . "</td>";
                echo "<td><img src='" . $row['img'] . "' alt='" . $row['name'] .
                "'></td>";

                echo "<td>" . $row['name'] . "</td>";
                echo "<td>$" . $row['price'] . "</td>";
                echo "<td><button>Add to Cart</button></td>";
                echo "</tr>";
            }
            ?>
        </tbody>
    </table>

</body>
</html>

```

Logout1.php

```

<?php
session_destroy();
header('Location: ulogin.php');
?>

```

2. Read data from students.xml file and store them in students table of MySQL.

```
<?php

$servername = "localhost";
$username = "root";
$password = "root";
$dbname = "test";

$con = new mysqli($servername, $username, $password, $dbname);

if ($con->connect_error) {
    die("Connection failed: " . $con->connect_error);
}

$xml = simplexml_load_file('student.xml');

if ($xml === false) {
    die('Failed to load XML file');
}

if (isset($xml->student) && count($xml->student) > 0) {
    foreach ($xml->student as $student) {
        $id = (int)$student->id;
        $name = (string)$student->name;
        $age = (int)$student->age;
        $gender = (string)$student->gender;

        echo "Name: $name, Age: $age, Gender: $gender<br>";

        $sql = "INSERT INTO student (id, name, age, gender) VALUES ('$id', '$name',
'$age', '$gender')";

        if ($con->query($sql) === TRUE) {
            echo "Record inserted successfully.<br>";
        } else {
            echo "Error: " . $sql . "<br>" . $con->error;
        }
    }
} else {
    echo "No 'student' elements found in the XML file.";
}

$con->close();
?>
```

Student.xml

```
<student>
  <student>
    <name>Hetvi</name>
    <age>20</age>
    <gender>Female</gender>
  </student>
</student>
```

Output

Name: Hetvi, Age: 20, Gender: Female
Record inserted successfully.

3. Read data from students table of MySQL and store them in students.xml file.

```
<?php
```

```
$servername = "localhost";
$username = "root";
$password = "root";
$database = "test";
```

```
$con = new mysqli($servername, $username, $password, $database);
```

```
if ($con->connect_error) {
    die("Connection failed: " . $con->connect_error);
}
```

```
$sql = "SELECT * FROM student";
$result = $con->query($sql);
```

```
if ($result->num_rows > 0) {
```

```
    $xml = new SimpleXMLElement('<students></students>');
```

```

while ($row = $result->fetch_assoc()) {
    $student = $xml->addChild('student');
    $student->addChild('id', $row['id']);
    $student->addChild('name', $row['name']);
    $student->addChild('age', $row['age']);
    $student->addChild('gender', $row['gender']);
}

$xml->asXML('student.xml');
echo 'Data exported to student.xml file.';
} else {
    echo 'No data found in the students table.';
}

$con->close();
?>

```

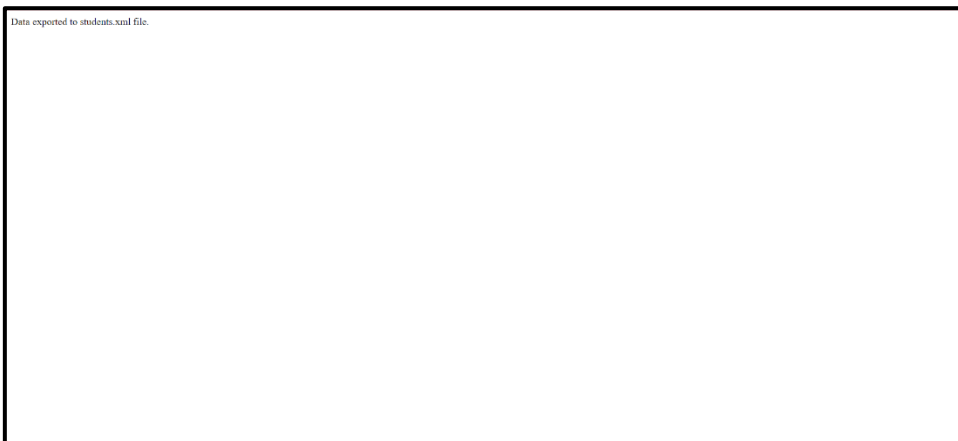
Students.xml

```

<?xml version="1.0"?>
<students><student>
<id>1</id><name>Henisha</name><age>21</age><gender>female</gender></student><student>
<id>2</id><name>Nisha</name><age>20</age><gender>female</gender></student><student>
<id>5</id><name>Krunal</name><age>20</age><gender>male</gender></student><student>
<id>6</id><name>Krunal</name><age>20</age><gender>male</gender></student><student>
<id>7</id><name>Krunal</name><age>20</age><gender>male</gender></student></students>

```

Output



4. List files in a directory.

```

<?php

$directory = 'D:\xampp\htdocs\clg';

$files = scandir($directory);

$files = array_diff($files, array('.', '..'));

```

```

echo '<ol>';
foreach ($files as $file) {
    echo '<li>' . $file . '</li>';
}
echo '</ol>';
?>

```

Output

```

1. git
2. Q2.php
3. Q3.php
4. Q4.php
5. Q5.php
6. student.xml
7. students.xml

```

5. Call express rest api in php.

```

<?php

$apiUrl = 'http://localhost:8000/persons';

$ch = curl_init($apiUrl);

curl_setopt($ch, CURLOPT_RETURNTRANSFER, true);

$response = curl_exec($ch);

if (curl_errno($ch)) {
    echo 'Curl error: ' . curl_error($ch);
}

curl_close($ch);

$data = json_decode($response, true);

if ($data === null) {
    echo 'Error decoding JSON';
} else {
    echo '<h1>Call Express api in php.</h1>';
    echo '<table border="1">';
    echo '<tr>
        <th>Name</th>
        <th>Age</th>

```



```

        <th>City</th>
    </tr>';

    foreach ($data as $item) {
        echo '<tr>';
        echo '<td>' . $item['name'] . '</td>';
        echo '<td>' . $item['age'] . '</td>';
        echo '<td>' . $item['city'] . '</td>';
        echo '</tr>';
    }
    echo '</table>';
}
?>

```

Output

Call Express api in php.

Name	Age	City
Henisha	20	surat

6. Call php rest api in express.

Q6.php

```

<?php
$users = array(
    array('id' => 1, 'name' => 'Henisha', 'email' => 'henisha@example.com'),
    array('id' => 2, 'name' => 'Hetvi', 'email' => 'hetvi@example.com'),
);

header('Content-Type: application/json');

if ($_SERVER['REQUEST_METHOD'] === 'GET') {
    echo json_encode($users);
} else {
    http_response_code(405);
    echo json_encode(array('error' => 'Method not allowed'));
}
?>

```

callapi.js

```
const express = require('express');
const axios = require('axios');
const app = express();
const port = 3000;

app.get('/', async (req, res) => {
  try {
    const apiUrl = 'http://localhost/clg/Q6.php';

    const response = await axios.get(apiUrl);

    const tableHtml = `




```

Output



ID	Name	Email
1	Jane Doe	jane.doe@example.com
2	John Smith	john.smith@example.com