



SE324 - Assignment # 3

Alfaisal University

Instructor: Eng. Hoda Elsayed
4hrs

Fall 2023

Expected Time:

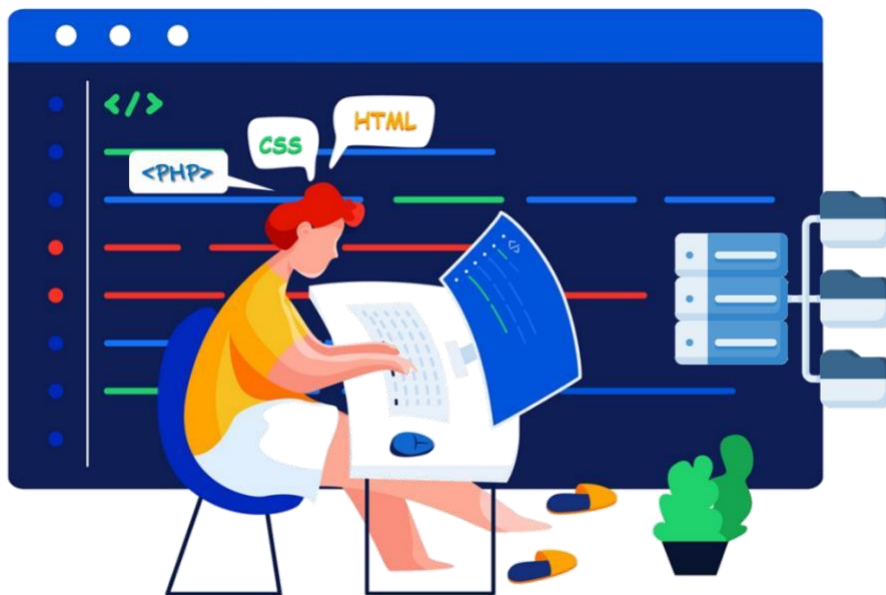
Student(s) ID(s): 201339

Student(s) Name(s): Athog AlWahabi

Assignment covers modules 5 & 6

Assignment Objectives:

- 1- Dealing with XAMPP to run script on Apache server using MySQL service
- 2- Understand & practice on PHP action and methods (e.g. POST & GET)
- 3- Dealing with phpMyAdmin and MySQL database to add, delete or view data using PHP script



Learning Outcomes		Q#
(CLO2) Build dynamic web pages using client- side JavaScript and server-side programming. (SO3)		1-3
(CLO3) Programmatically utilize the basic tools of web development to develop useful dynamic web applications: retrieving data from forms, switching to a different page, passing data between pages, retrieving data from databases and presenting it, saving and manipulating the state of the application, programmatically manipulating the content and style of web pages to present data, performing web forms validation, performing users authentication and authorization. (SO5)		1-3

Q#	Grade	Out of	Done By	Grader Comment(s)
----	-------	--------	---------	-------------------

1		15		
2		15		
Bonus		+3		
3				
Total		10		
Signature		40		

Exercise 1: Simple Bookstore Management (Check Demo)

In this exercise, you need to use 3 php files underhtdocs folder as follows:

- a) [File1.php](#) displays the following form, action to external php file (File2.php) and GET Method to pass data to File2.php: (**Note:** feel free to customize interface)

- b) [File2.php](#) receives the data sent from File1.php using the super global \$_GET and display it in *table like format* with cells having a border as shown in the green area below. Below the green area, echo another form that has same look as form in File1.php but different content as seen below. (Note: check the query string of File2.php url below)

php?snum=111&sname=Hoda&level=Graduate

Student Id: 111
Student Name: Hoda
Student Level: Graduate

Step 1: Personal Data

Student ID: 111
Student Name: Hoda
Student Status: Graduate
Get Started

Step 2: Book Data

Book Id:
Book Name:
Add View Delete

On *phpMyAdmin* side, create a new database with a table that has 2 columns only as seen below:



The form in *File2.php* has 3 buttons as follows:

- *Add button*: should save book Id and Book Name inputs into the books table created on *phpMyAdmin* side.
 - *View button*: should retrieve saved data in the database's books table into *File3.php*
 - *Delete button*: should delete the book having the id that the user inputs from the books table
- c) **File3.php** should display the following depending on which button was clicked on *File2.php*:
- If *Add button* was clicked, books table's data on *phpMyAdmin* side gets updated and *File3.php* displays a success note

The image shows a web browser window with a dark address bar containing the URL 'http://localhost:84/BookDB.php?h=111&sname=Hoda&level=Graduate'. The main content area has a light blue background. At the top, there's a section titled 'Step 2: Book Data' in white text. Below this, there are three input fields: 'Book Id:' with the value '2', 'Book Name:', and 'Book Level:'. At the bottom of this section, there are three buttons: 'Add', 'View', and 'Delete'. A green message 'Book deleted' is displayed at the bottom of the page. The browser's navigation bar at the very bottom shows back, forward, and refresh buttons, along with the address bar and a home button.

The screenshot shows the MySQL command line interface. At the top, a green status bar indicates "Showing rows 0 - 0 (1 total, Query took 0.0019 seconds.)". Below this, the SQL query `select * from books` is entered. The interface includes a "Show all" checkbox, a "Number of rows:" dropdown set to "25", and a "Filter rows" input field. A "+ Options" button is visible. At the bottom, a table with two columns, "Id" and "bName", is displayed. The first row contains the values "1" and "book1". Action icons for "Edit", "Copy", and "Delete" are present for each row.

Important Notes:

- Inside "" use '' (e.g. "`<h4 style='color:green'>New book added</h4>`")
- Use this in File3.php to check which button is clicked `if(isset($_POST['Button_Name']))`

Answer:

Code:*File1.php*

```
<!DOCTYPE html>
<html>

<head>
  <title>Student Information</title>
</head>
<style>
body {
  display: flex;
  justify-content: center;
  align-items: center;
  height: 100vh;
  margin: 0;
  font-family: Arial, sans-serif;
}

.formblock {
  background: lightblue;
  padding: 12px;
}

h2 {
  color: white;
}

form {
  width: 300px;
}

label,
input,
select,
input[type="submit"] {
  display: block;
  margin-bottom: 10px;
}
</style>

<body>
```

```

<div class="formblock">
  <h2>Step 1:Personal Data</h2>
  <form method="get" action="index2.php">
    <label for="studentid">Student ID:</label>
    <input type="text" id="studentid" name="studentid" required><br>

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

    <label for="studenttype">Student Status:</label>
    <select id="studenttype" name="studenttype">
      <option value="graduate">Graduate</option>
      <option value="undergraduate">Undergraduate</option>
    </select><br>

    <input type="submit" name="submit" value="Get Started">
  </form>
</div>
<?php
// student information
if (isset($_GET['studentid']) && isset($_GET['studentname']) && isset($_GET['studenttype'])) {
  $studentID = $_GET['studentid'];
  $studentName = $_GET['studentname'];
  $studentType = $_GET['studenttype'];

  echo "<h3>Received Student Information:</h3>";
  echo "Student ID: $studentID<br>";
  echo "Student Name: $studentName<br>";
  echo "Student Type: $studentType";
}
?>
</body>

</html>

```

File 2

```
<!DOCTYPE html>
<html>

<head>
  <title>Index2 - Book Information</title>
</head>
<style>
body {
  display: flex;
  justify-content: center;
  align-items: center;
  height: 100vh;
  margin: 0;
  font-family: Arial, sans-serif;
}

.formblock {
  background: lightgreen;
  color: black;
  margin: 20px 0px;
  padding: 12px;
}

h2 {
  color: white;
}

form {
  width: 300px;
  background: lightblue;
```



```

        padding: 12px;
    }

    label,
    input,
    select,
    input[type="submit"] {
        display: block;
        margin-bottom: 10px;
        border: none;
        padding: 8px;
        font-size: 12px;
    }

    th,
    td {
        border: 2px solid #000;
        padding: 8px;
        text-align: left;
    }

    th {
        background-color: #f2f2f2;
    }

    .threebtn {
        display: flex;
        justify-content: space-between;
    }

    .threebtn input[name="addbook"] {
        background-color: green;
    }

```

```

        color: white;
    }

    .threebtn input[name="viewbook"] {
        background-color: #337ab7;
        color: white;
    }

    .threebtn input[name="removebook"] {
        background-color: #d9534f;
        color: white;
    }
</style>

<body>
    <div>
        <div class="formblock">
            <?php
// student information
        if (isset($_GET['studentid']) && isset($_GET['studentname']) &&
isset($_GET['studenttype'])) {
            $studentID = $_GET['studentid'];
            $studentName = $_GET['studentname'];
            $studentType = $_GET['studenttype'];

            echo "<table>";
            echo "<tr><td>Student ID:</td><td>$studentID</td></tr>";
            echo "<tr><td>Student Name:</td><td>$studentName</td></tr>";
            echo "<tr><td>Student level:</td><td>$studentType</td></tr>";
            echo "</table>";
        }
    ?>

```

```

    </div>
    <form method="post" action="index3.php">
        <h2>Step 2:Book Data</h2>
        <label for="bookid">Book ID:</label>
        <input type="text" id="bookid" name="bookid" required><br>

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

        <div class="threebtn">
            <input type="submit" name="addbook" value="Add Book">
            <input type="submit" name="viewbook" value="View Book">
            <input type="submit" name="removebook" value="Remove Book">
        </div>
        <input type="hidden" name="studentid" value="<?= $studentID ?? ' ' ?>">
        <input type="hidden" name="studentname" value="<?= $studentName ?? ' ' ?>">
    </form>
</div>
</body>

</html>

```

File 3

```

<?php
session_start();

$servername = "localhost";
$username = "root";
$password = "";
$dbname = "handbooks";
$conn = new mysqli($servername, $username, $password, $dbname);

```

```

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

if ($_SERVER["REQUEST_METHOD"] == "POST") {
    $bookID = $_POST['bookid'];
    $bookName = $_POST['bookname'];

    $studentID = $_POST['studentid'];
    $studentName = $_POST['studentname'];

    if (isset($_POST['addbook'])) {
        $sql = "INSERT INTO books (id, bName) VALUES ('$bookID', '$bookName')";

        if ($conn->query($sql) === TRUE) {
            echo "<p>New book added.</p>";
        } else {
            echo "Error: " . $sql . "<br>" . $conn->error;
        }
    } elseif (isset($_POST['viewbook'])) {
        $sql = "SELECT * FROM books";
        $result = $conn->query($sql);

        if ($result->num_rows > 0) {
            echo "<h2>Books</h2>";
            echo "<table>";
            echo "<tr><th>Book ID</th><th>Book Name</th></tr>";

            while ($row = $result->fetch_assoc()) {
                echo "<tr><td>" . $row['id'] . "</td><td>" . $row['bName'] . "</td></tr>";
            }

            echo "</table>";
        }
    }
}

```

```

        } else {
            echo "<p>No books.</p>";
        }
    } elseif (isset($_POST['removebook'])) {
        $sql = "DELETE FROM books WHERE id='$bookID'";

        if ($conn->query($sql) === TRUE) {
            echo "<p>Book Deleted.</p>";
        } else {
            echo "Error: " . $sql . "<br>" . $conn->error;
        }
    }
}

$conn->close();
?>

<!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>Document</title>
</head>
<style>
p {
    color: green;
    font-size: 26px;
}
</style>

<body>

```

</body>

</html>

Screenshots (reflect all scenarios):

Scenario 1: Show filling personal data in File1.php and result on File2.php when submitting form)

Scenario 2: Add 2 books in File2.php, show table data on phpMyAdmin and show File3.php's success message

Scenario 3: click view books in File2.php and show result in File3.php

Scenario 4: enter book id and click on delete button in File2.php, show table data on phpMyAdmin and show File3.php's success message

Exercise 2: McDonalds Orders Tracker

In this exercise, you need to enhance ex 1 of assignment 2 to use PHP and databases with the following changes:

a) Build a McDonalds database on *phpMyAdmin* that contains 2 tables as follows:

DISHES			
<u>DishId</u>	DishName	Price	ImageUrl

ORDER						
<u>OrderId</u>	CustomerName	TotalQuantity	Sand_Size	ChildrenGifts	Discounted	TotalPrice

Notes:

- *Sand_Size attribute accepts either small, medium or large*
- *Discounted attribute accepts either yes or no values*

b) Dishes details (e.g. name, price and image) shouldn't be statically embedded in the webpage but rather dynamically retrieved from the backend database's 'Dishes' table on the menu page.



c) Every order placed is also saved on the backend database's Order table when show receipt button is clicked as follows:



OrderId	Name	TotalQuantity	Sand_Size	ChildrenGifts	Discounted	TotalPrice
1	Hoda	6	Medium	2	no	70
2	Hoda	6	Medium	2	yes	66.5

3 marks Bonus on assignment 3 only

d) Design a simple webpage with a form that adds new dishes to dishes table

← → ↺

☰

Dish Name

Enter text

Dish Price

Enter a number

Dish Image

Choose File

No file chosen

Add Dish

- e) Each new dish added from part e should be retrieved and dynamically reflected on the menu page in a newly created cell in the table such that each row holds up to 4 dishes

Code:

```
<!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>Resturant</title>
  <style>
    * {
      margin: 0;
      padding: 0;
      box-sizing: border-box;
      font-family: "Times New Roman";
```



```
    font-family: "Calibri";
}

body {
    background-color: black;
    height: 100vh;
}

main {
    max-width: 1200px;
    margin: auto;
}

.Hero {
    display: flex;
    justify-content: center;
    align-items: center;
    color: white;
}

.banner {
    background-color: red;
    margin: auto;
    display: flex;
    width: 100%;
    justify-content: space-between;
    align-items: center;
    padding: 0px 5px;
    margin: 10px 20px;
    position: relative;
}

.bannerimg {
    width: 350px;
    height: 300px;
}

.bannerimg img {
    width: 100%;
    height: 100%;
}

.content {
    padding: 12px 0px;
}
```

```

.content p {
    font-size: 90px;
    font-weight: bold;
}

.content img {
    position: absolute;
    bottom: 10px;
    width: 80px;
    height: 80px;
}

.superscript {
    vertical-align: super;
    font-size: smaller;
    font-weight: 500;
}

header {
    background-color: red;
    display: flex;
    justify-content: start;
    align-items: center;
    margin: 12px 20px;
}

nav {
    display: flex;
    justify-content: space-between;
    align-items: center;
    width: 100%;
    padding: 0px 12px;
}

nav ul {
    display: flex;
    justify-content: start;
    align-items: center;
    list-style: none;
}

nav ul li {
    padding: 18px 20px;
}

nav ul li a {

```

```
color: white;
text-decoration: none;
text-transform: capitalize;
font-weight: 700;
}

.container {
color: white;
margin: 100px 0px;
}

.container h1 {
text-align: center;
font-size: 2em;
font-weight: bold;
color: orange;
padding: 12px 0px;
}

.article {
display: flex;
justify-content: center;
align-items: center;
}

.boxcontainer {
display: flex;
justify-content: center;
align-items: center;
flex-wrap: wrap;
width: 100%;
margin: auto;
gap: 20px;
}

.box {
width: 250px;
height: fit-content;
display: flex;
flex-direction: column;
justify-content: center;
align-items: center;
padding-bottom: 5px;
}

.box img {
```

```
width: 100%;  
height: 300px;  
}  
  
.box p {  
  text-align: center;  
  padding: 12px 0px;  
  font-size: 25px;  
  color: violet;  
}  
  
label {  
  color: white;  
}  
  
.selectbox {  
  display: flex;  
  justify-content: space-between;  
  align-items: center;  
}  
  
.sizebox {  
  display: flex;  
  justify-content: space-between;  
  align-items: center;  
}  
  
.sizebox h1 {  
  color: white;  
  font-size: 15px;  
}  
  
input {  
  font-size: 15px;  
  padding: 5px 12px;  
  color: palevioletred;  
  background-color: white;  
  border: none;  
}  
  
.btn-show {  
  background-color: palevioletred;  
  padding: 5px 12px;  
  font-size: 15px;  
  border: none;  
  color: white;
```

```

    cursor: pointer;
}

.hover-btn {
    background-color: yellow;
    padding: 5px 12px;
    font-size: 15px;
    border: none;
    color: white;
    cursor: pointer;
}

.mainDiv {
    margin: 50px 0px;
}

.mainDiv {
    padding: 12px;
}

.open-modal {
    background-color: white;
}

#language-button {
    display: flex;
    justify-content: center;
    align-items: center;
    margin: auto;
    background-color: red;
    padding: 12px;
    font-size: 15px;
    color: white;
}

footer {
    width: 100%;
    background-color: orange;
    margin: 0px auto 0px auto;
}

.footer-logo {
    width: 220px;
    height: 120px;
    position: relative;
    bottom: 30px;
}

```

```

    left: 20px;
  }

.footer-logo img {
  width: 100%;
  height: 100%;
}
</style>
</head>

<body>
  <main>
    <section class="Hero">
      <div class="banner">
        <div class="content">
          <p>i'm lovin'it<span class="superscript">TM</span></p>
          
        </div>
        <div class="bannerimg">
          
        </div>
      </div>
    </section>
    <!-- navbar -->
    <header>
      <nav>
        <ul>
          <li><a href="#Menu">Menu</a></li>
          <li><a href="#contact">contact us</a></li>
        </ul>
        <div class="themebutton">
          <button class="theme-button" id="lightThemeButton"
            style="background-color: #f0f0f0; color: #f0f0f0; border: none">
            #f0f0f0
          </button>
          <button class="theme-button" id="darkThemeButton" style="background-color:
#000000; border: none">
            #000000
          </button>
        </div>
      </nav>
    </header>
    <!-- box -->
    <section class="container">
      <button id="language-button">EN</button>

```

```

        <h1 id="language-text" data-lang="Menu">Our Menu</h1>
        <section class="article">
            <div class="boxcontainer">
                <div class="box"><?php
$servername = "localhost";
$username = "root";
$password = "";
$dbname = "mcdonaldsdb";

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

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

$sql = "SELECT DishName, Price, imageUrl FROM DISHES";
$result = $conn->query($sql);

if ($result->num_rows > 0) {
    while($row = $result->fetch_assoc()) {
        echo "<img src=\"" . $row["imageUrl"] . "\" alt=" />";
        echo "<p>" . $row["DishName"] . " (" . $row["Price"] . " sar)</p>";
    }
} else {
    echo "0 results";
}
$conn->close();
?><?php
    if ($result && $result->num_rows > 0) {
        while ($row = $result->fetch_assoc()) {
            echo "<img src=\"" . $row["imageUrl"] . "\" alt=" />";
            echo "<p>" . $row["DishName"] . " (" . $row["Price"] . " sar)</p>";
        }
    } else {
        echo "0 results";
    }
?></div>
</div>
</section>
</section>
<!-- Receipt calculated -->
<section class="mainDiv">
    <div class="open-modal" id="totalPrice"></div>
</section>
<!-- footer -->
</div>

```

```

        <div class="footer-logo">
            
        </div>
    </footer>
</main>
<script>
var btn = document.getElementById("myButton");
btn.addEventListener("mouseover", function() {
    btn.classList.add("hover-btn");
    btn.classList.remove("btn-show");
});

btn.addEventListener("mouseout", function() {
    btn.classList.remove("hover-btn");
    btn.classList.add("btn-show");
});

function calculateTotal() {
    var quantity1 =
        parseInt(document.getElementById("quantity1").value) || 0;
    var quantity2 =
        parseInt(document.getElementById("quantity2").value) || 0;
    var quantity3 =
        parseInt(document.getElementById("quantity3").value) || 0;
    var quantity4 =
        parseInt(document.getElementById("quantity4").value) || 0;

    var price1 = quantity1 * 5;
    var price2 = quantity2 * 10;
    var price3 = quantity3 * 15;
    var price4 = quantity4 * 20;

    var total = price1 + price2 + price3 + price4;

    var discountApplied = document.getElementById("applyDiscount").checked;

    if (discountApplied) {
        total -= total * 0.05;
    }

    return {
        price1,
        price2,
        price3,
        price4,
        total,
    };
}

```



```

    };
}

function showReceipt() {
    var receiptData = calculateTotal();

    var receiptContainer = document.querySelector(".open-modal");

    receiptContainer.innerHTML = "";

    var receiptText =
        "Name: " + document.getElementById("name").value + "<br>";
    receiptText += "Your Orders:<br>";

    var menuItems = [{
        name: "Cream Burger",
        price: 5
    },
    {
        name: "Veggie Burger",
        price: 10
    },
    {
        name: "Cheese Burger",
        price: 15
    },
    {
        name: "Chicken Burger",
        price: 20
    }
    ];

    for (var i = 0; i < menuItems.length; i++) {
        var menuItem = menuItems[i];
        var quantity =
            parseInt(document.getElementById("quantity" + (i + 1)).value) || 0;

        if (quantity > 0) {
            receiptText +=
                quantity +
                " * " +
                menuItem.price +
                "rs " +
                menuItem.name +
                "<br>";
        }
    }
}

```

```

    }
    var sandwichSize = document.querySelector(
        'input[name="sandwichSize"]:checked'
    );

    if (sandwichSize) {
        receiptText += "Sandwiches Size: " + sandwichSize.value + "<br>";
    } else {
        alert("Please select a sandwich size.");
        return;
    }

    receiptText +=
        "Total before discount Price: " +
        receiptData.total.toFixed(2) +
        "<br>";

    if (document.getElementById("applyDiscount").checked) {
        receiptData.total -= receiptData.total * 0.05;
        receiptText +=
            "Total after discount Price: " +
            receiptData.total.toFixed(2) +
            "<br>";
    }

    receiptContainer.innerHTML = receiptText;
}

function validateNameChildren() {
    var nameChildrenInput = document.getElementById("name-children");
    var nameChildren = parseInt(nameChildrenInput.value);

    if (nameChildren >= 0 && nameChildren <= 5) {
        alert(
            "Congrats.. you are awarded with 4 children gifts with the meal."
        );
    } else {
        alert(
            "sorry invalid children input . Please choose the value between 0 and 5."
        );
        nameChildrenInput.value = "";
    }
}

function validateSandwichSize() {
    var sandwichSize = document.querySelector(

```

```

        'input[name="sandwichSize"]:checked'
    );

    if (!sandwichSize) {
        alert("Please select a sandwich size.");
        return false;
    }

    var selectedSize = sandwichSize.value;
    alert("Selected Sandwich Size: " + selectedSize);

    return true;
}

var showReceiptButton = document.getElementById("myButton");
showReceiptButton.addEventListener("click", function() {
    var isSandwichSizeValid = validateSandwichSize();

    if (isSandwichSizeValid) {
        showReceipt();
    }
});
var nameChildrenInput = document.getElementById("name-children");
nameChildrenInput.addEventListener("change", validateNameChildren);

function setDarkTheme() {
    document.body.style.backgroundColor = "black";
    document.body.style.color = "gray";

    localStorage.setItem("theme", "dark");
}

function setLightTheme() {
    document.body.style.backgroundColor = "gray";
    document.body.style.color = "black";
    localStorage.setItem("theme", "gray");
}

function initializeTheme() {
    const savedTheme = localStorage.getItem("theme");
    if (savedTheme === "dark") {
        setDarkTheme();
    } else {
        setLightTheme();
    }
}

```

```

document
  .getElementById("lightThemeButton")
  .addEventListener("click", setLightTheme);
document
  .getElementById("darkThemeButton")
  .addEventListener("click", setDarkTheme);

initializeTheme();

const languageButton = document.getElementById("language-button");

let currentLanguage = "EN";
const languages = {
  EN: {
    buttonLabel: "AR",
    content: {
      Menu: "Our Menu",
      Text1: "Cream burger(5 sar)",
      Text2: "Veggie burger(10 sar)",
      Text3: "cheese burger(15 sar)",
      Text4: "chicken burger(20 sar)",
      Text5: "Quantity",
      Text6: "Sandwich Size:",
      small: "small",
      medium: "medium",
      large: "large",
      discount: "Apply for 5% discount",
      receipt: "show receipt",
    },
  },
  AR: {
    buttonLabel: " EN",
    content: {
      Menu: "القائمة لدينا",
      Text1: "برجر كريم (5 ريال)",
      Text2: "برجر نباتي (10 ريال)",
      Text3: "برجر بالجبنه (15 ر.س)",
      Text4: "برجر دجاج (20 ر.س)",
      Text5: "كمية",
      Text6: "حجم الساندويش:",
      small: "صغير",
      medium: "واسطة",
      large: "كبير",
      discount: "%خصم 5",
      receipt: "إظهار الإيصال",
    },
  },
};

```

```

    },
};

function switchLanguage() {
    currentLanguage = currentLanguage === "EN" ? "AR" : "EN";
    languageButton.textContent = languages[currentLanguage].buttonLabel;

    languageButton.style.backgroundColor =
        currentLanguage === "EN" ? "lightblue" : "red";

    const elements = document.querySelectorAll("[data-lang]");

    elements.forEach((element) => {
        const key = element.getAttribute("data-lang");
        element.textContent = languages[currentLanguage].content[key];
    });
}
languageButton.addEventListener("click", switchLanguage);
async function fetchData() {
    try {
        const response = await fetch('url_to_your_php_script');
        const data = await response.json();

        const boxContainer = document.querySelector('.boxcontainer');

        if (data && data.length > 0) {
            data.forEach(item => {
                const box = document.createElement('div');
                box.className = 'box';

                const img = document.createElement('img');
                img.src = item.imageUrl;
                img.alt = "";
                img.style.width = '100%';
                img.style.height = '300px';

                const p = document.createElement('p');
                p.textContent = `${item.DishName} (${item.Price} sar)`;
                p.style.textAlign = 'center';
                p.style.padding = '12px 0px';
                p.style.fontSize = '25px';
                p.style.color = 'violet';

                box.appendChild(img);
                box.appendChild(p);
            });
        }
    } catch (error) {
        console.log(error);
    }
}

```

```

        boxContainer.appendChild(box);
    });
    } else {
        const message = document.createElement('p');
        message.textContent = 'No results';
        message.style.textAlign = 'center';
        message.style.color = 'red';

        boxContainer.appendChild(message);
    }
    } catch (error) {
        console.error('Error fetching data:', error);
    }
    }

    document.addEventListener('DOMContentLoaded', async () => {
        await fetchData();
    });
</script>
</body>

</html>

```

External PHP File:

```

<!DOCTYPE html>
<html lang="en">

<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Add New Dish</title>
    <style>
    body {
        display: flex;

```

```

    justify-content: center;
    align-items: center;
    height: 100vh;
    margin: 0;
    font-family: Arial, sans-serif;
}

form {
    width: 300px;
    padding: 20px;
    border: 1px solid #ccc;
    border-radius: 5px;
    background-color: #f9f9f9;
}

h1 {
    text-align: center;
}

label {
    display: block;
    margin-bottom: 6px;
    font-weight: bold;
}

input[type="text"],
input[type="number"],
input[type="file"],
input[type="submit"] {
    width: 100%;
    padding: 8px;
    margin-bottom: 12px;
    border-radius: 4px;
    border: 1px solid #ccc;
    box-sizing: border-box;
}

input[type="submit"] {
    background-color: #4caf50;
    color: white;
    font-weight: bold;
    cursor: pointer;
    transition: background-color 0.3s ease;
}

input[type="submit"]:hover {

```

```

        background-color: #45a049;
    }
</style>
</head>

<body>
    <div>
        <h1>Add New Dish</h1>
        <form action="upload.php" method="post" enctype="multipart/form-data">
            <label for="dishName">Dish Name:</label>
            <input type="text" id="dishName" name="dishName" required>

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

            <label for="image">Upload Image:</label>
            <input type="file" id="image" name="image" accept="image/*" required>
            <input type="submit" value="Add Dish">
        </form>
    </div>
</body>

</html>

```

Bonus [Optional]:

```

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

```



```

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

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

if ($_SERVER["REQUEST_METHOD"] == "POST") {
    $dishName = $_POST['dishName'];
    $price = $_POST['price'];

    $targetDir = "uploads/";
    $targetFile = $targetDir . basename($_FILES["image"]["name"]);
    $uploadOk = 1;
    $imageFileType = strtolower(pathinfo($targetFile, PATHINFO_EXTENSION));

    $check = getimagesize($_FILES["image"]["tmp_name"]);
    if($check !== false) {
        echo "File is an image - " . $check["mime"] . ".";
        $uploadOk = 1;
    } else {
        echo "File is not an image.";
        $uploadOk = 0;
    }

    // Check if file already exists
    if (file_exists($targetFile)) {
        echo "Sorry, file already exists.";
        $uploadOk = 0;
    }

    if ($_FILES["image"]["size"] > 500000) {
        echo "Sorry, your file is too large.";
        $uploadOk = 0;
    }

    if($imageFileType != "jpg" && $imageFileType != "png" && $imageFileType != "jpeg"
    && $imageFileType != "gif" ) {
        echo "Sorry, only JPG, JPEG, PNG & GIF files are allowed.";
        $uploadOk = 0;
    }

    if ($uploadOk == 0) {
        echo "Sorry, your file was not uploaded.";
    } else {
        if (move_uploaded_file($_FILES["image"]["tmp_name"], $targetFile)) {
            echo "The file " . basename($_FILES["image"]["name"]) . " has been uploaded.";
        }
    }
}

```

```

        $sql = "INSERT INTO dishes (DishName, Price, imageUrl) VALUES ('$dishName', '$price', '$targetFile')";

        if ($conn->query($sql) === TRUE) {
            echo "New record created successfully";
        } else {
            echo "Error: " . $sql . "<br>" . $conn->error;
        }
    } else {
        echo "Sorry, there was an error uploading your file.";
    }
}

$conn->close();
?>

```

Screenshots (reflect all scenarios):

Scenario 1: Show Dishes table on phpMyAdmin database (with original 4 dishes details)

Scenario 2: Show Order table on phpMyAdmin database (empty table)

Scenario 3: Show Menu Page (after data retrieval from dishes table)

Scenario 4: Order receipt vs Orders Table (try discounted and non-discounted orders)

Bonus Screenshots: [if done]

Scenario 5: Add new dish through interface

Scenario 6: Show Dishes table after adding a new dish

Scenario 7: Show Menu page after adding that new dish

Exercise 3: Data in XML

Provide the XML hierarchy to store 3 dishes of your choice with data that matches the form shown in part d in the previous question.

Answer:

XML File:

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

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

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

if ($_SERVER["REQUEST_METHOD"] == "POST") {
    $dishName = $_POST['dishName'];
    $price = $_POST['price'];

    $targetDir = "uploads/";
    $targetFile = $targetDir . basename($_FILES["image"]["name"]);
    $uploadOk = 1;
    $imageFileType = strtolower(pathinfo($targetFile, PATHINFO_EXTENSION));

    $check = getimagesize($_FILES["image"]["tmp_name"]);
    if($check !== false) {
        echo "File is an image - " . $check["mime"] . ".";
        $uploadOk = 1;
    } else {
        echo "File is not an image.";
        $uploadOk = 0;
    }

    // Check if file already exists
    if (file_exists($targetFile)) {
        echo "Sorry, file already exists.";
        $uploadOk = 0;
    }
}
```

```

}
if ($_FILES["image"]["size"] > 500000) {
    echo "Sorry, your file is too large.";
    $uploadOk = 0;
}

if($imageFileType != "jpg" && $imageFileType != "png" && $imageFileType != "jpeg"
&& $imageFileType != "gif" ) {
    echo "Sorry, only JPG, JPEG, PNG & GIF files are allowed.";
    $uploadOk = 0;
}

if ($uploadOk == 0) {
    echo "Sorry, your file was not uploaded.";
} else {
    if (move_uploaded_file($_FILES["image"]["tmp_name"], $targetFile)) {
        echo "The file ". basename( $_FILES["image"]["name"]). " has been uploaded.";
        $sql = "INSERT INTO dishes (DishName, Price, imageUrl) VALUES ('$dishName', '$price',
'$targetFile')";

        if ($conn->query($sql) === TRUE) {
            echo "New record created successfully";
        } else {
            echo "Error: " . $sql . "<br>" . $conn->error;
        }
    } else {
        echo "Sorry, there was an error uploading your file.";
    }
}
}

$conn->close();
?>

```