**Lab#14 PHP with MySQL connectivity (Forms, Advance PHP and database handling) [Continuing Semester Project]**

**Implement following web pages using PHP:**

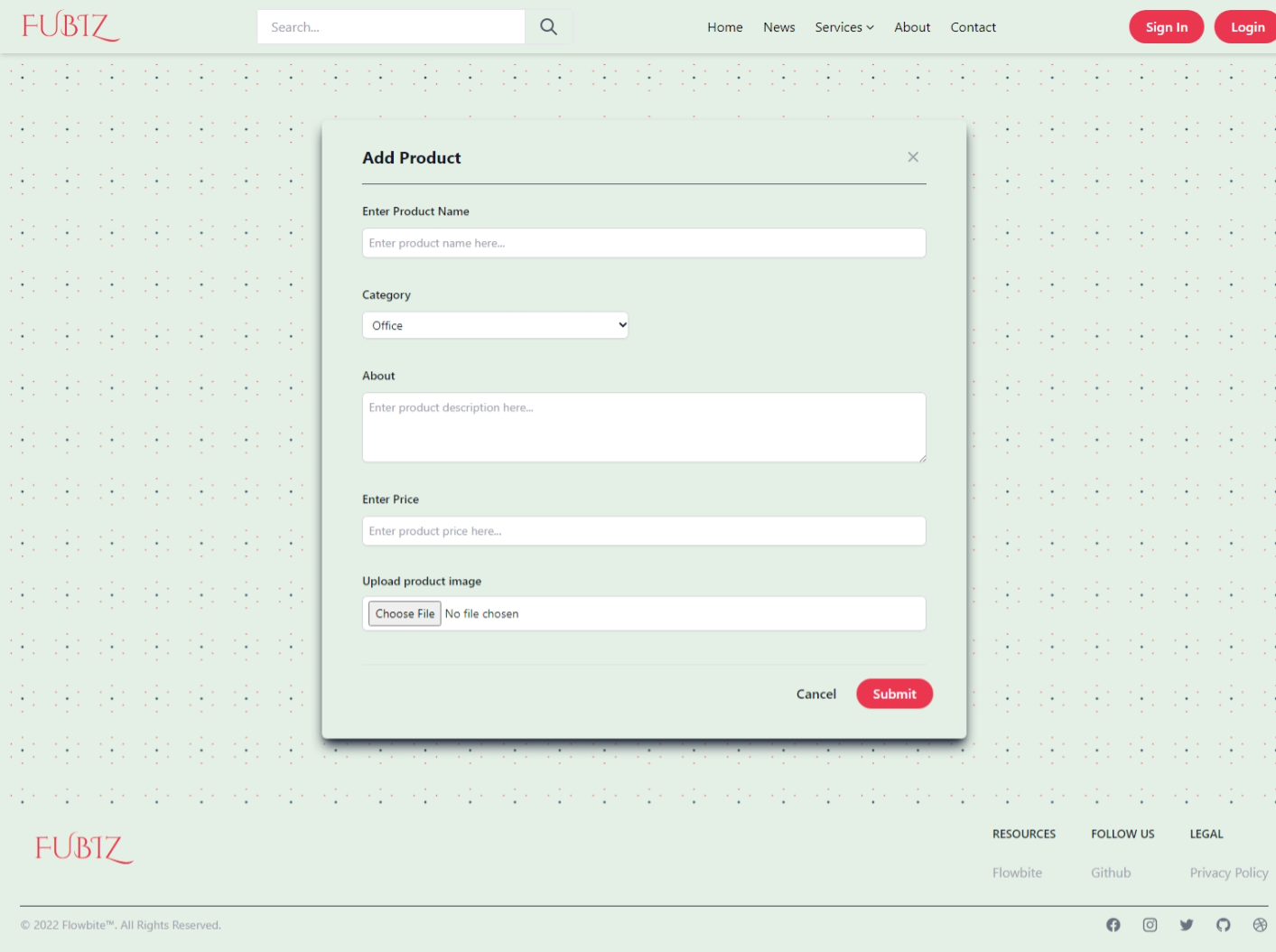
**a. Insert a new product.**

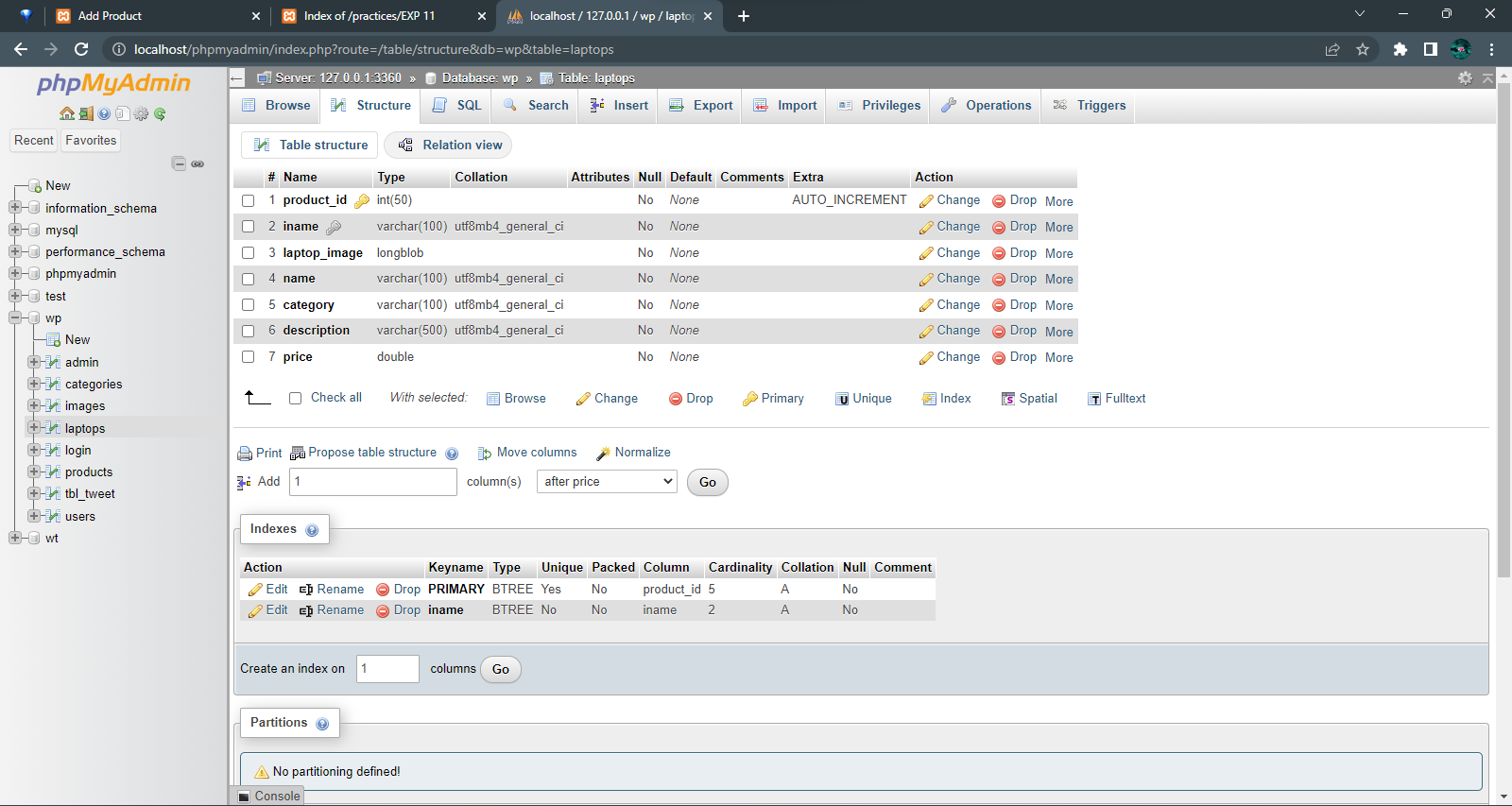
**b. Update existing product**

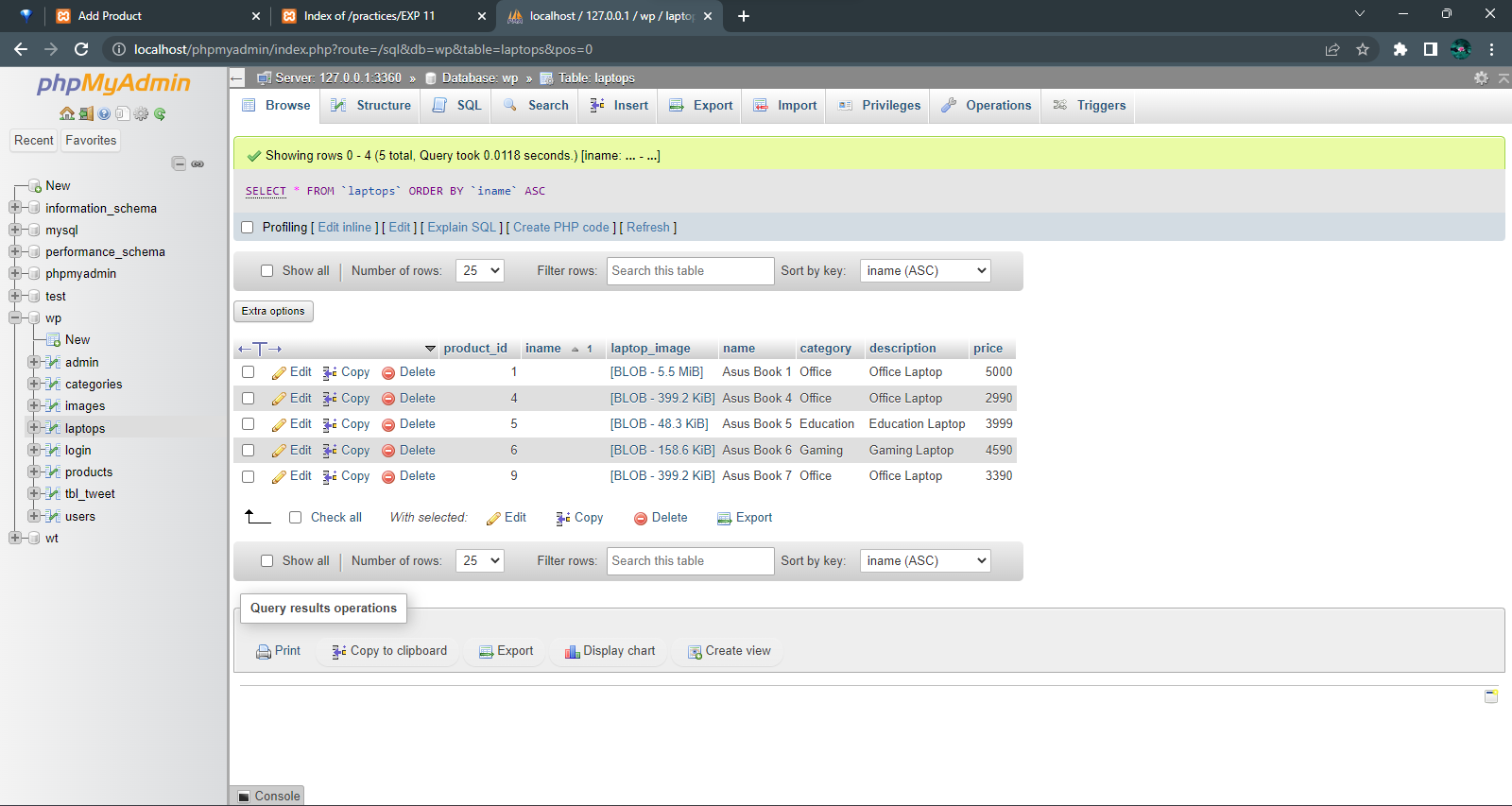
**c. Delete existing product**

**Final Outcome:**

**a. Insert a new product.**

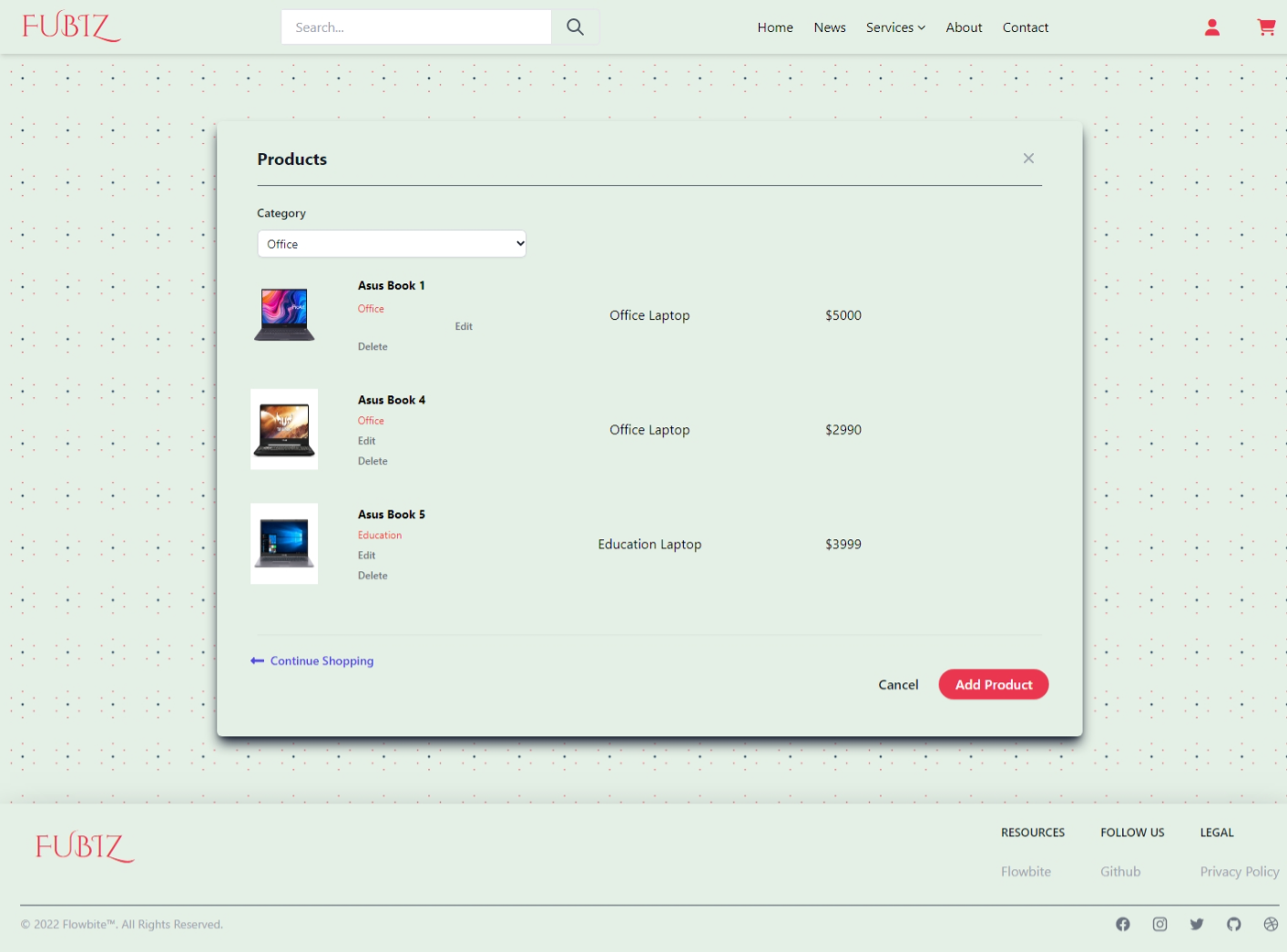
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**b. Update existing product**

**c. Delete existing product**

****

**Code Snippet:**

**/\* PHP Snippet \*/**

**Insert.php:**

<?php

// Database connection details

$servername = "localhost";

$username = "root";

$password = "";

$dbname = "wp";

// Create a connection to the database

$conn = new mysqli($servername, $username, $password, $dbname, 3360);

// Check the connection

if ($conn->connect\_error) {

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

}

// Define variables to store the form inputs

$name = $category = $description = $price = "";

// Check if the form is submitted

if ($\_SERVER["REQUEST\_METHOD"] == "POST" && isset($\_POST["submit"])) {

// Retrieve the form data and sanitize it

$name = sanitize\_input($\_POST["product-name"]);

$category = sanitize\_input($\_POST["category"]);

$description = sanitize\_input($\_POST["description"]);

$price = sanitize\_input($\_POST["price"]);

// Image upload

if (isset($\_FILES["image"])) {

$image\_name = $\_FILES["image"]["name"];

$image\_tmp\_name = $\_FILES["image"]["tmp\_name"];

$image\_format = strtolower(pathinfo($image\_name, PATHINFO\_EXTENSION));

$allowed\_formats = ["jpg", "jpeg", "png"];

if (!in\_array($image\_format, $allowed\_formats)) {

echo "Invalid image format. Only JPG, JPEG, and PNG formats are allowed.";

} else {

// Read the file content

$image\_content = file\_get\_contents($image\_tmp\_name);

$image\_content = mysqli\_real\_escape\_string($conn, $image\_content);

// Prepare the SQL statement

$stmt = $conn->prepare("INSERT INTO laptops (name, category, description, price, laptop\_image) VALUES (?, ?, ?, ?, ?)");

$stmt->bind\_param("sssss", $name, $category, $description, $price, $image\_content);

// Execute the statement

if ($stmt->execute()) {

echo "Product added successfully.";

header("Refresh: 2; URL=Product managment.php");

} else {

echo "Error: " . $stmt->error;

}

// Close the statement

$stmt->close();

}

} else {

echo "Please select an image.";

}

}

// Function to sanitize the form inputs

function sanitize\_input($data)

{

$data = trim($data);

$data = stripslashes($data);

$data = htmlspecialchars($data);

return $data;

}

**Update/Delete.php:**

<?php

// Database connection details

$servername = "localhost";

$username = "root";

$password = "";

$dbname = "wp";

// Create a connection to the database

$conn = new mysqli($servername, $username, $password, $dbname, 3360);

// Check the connection

if ($conn->connect\_error) {

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

}

// Handle the edit action

if ($\_SERVER["REQUEST\_METHOD"] == "POST" && isset($\_POST["edit"])) {

$name = $\_POST["name"]; // Assuming you have a hidden input field for the name

// Perform the necessary update operation based on the provided name

// Example: $sql = "UPDATE laptops SET ... WHERE name = '$name'";

// Execute the SQL statement

// $conn->query($sql);

echo "Edit action triggered for $name"; // Replace this with the actual logic

}

// Handle the delete action

if ($\_SERVER["REQUEST\_METHOD"] == "POST" && isset($\_POST["delete"])) {

$name = $\_POST["name"]; // Assuming you have a hidden input field for the name

// Perform the necessary delete operation based on the provided name

$sql = "DELETE FROM laptops WHERE name = '$name'";

// Execute the SQL statement

$conn->query($sql);

echo "Delete action triggered for $name"; // Replace this with the actual logic

}

// Fetch laptop data from the database

$sql = "SELECT name, category, description, price, laptop\_image FROM laptops LIMIT 3";

$result = $conn->query($sql);

if ($result && $result->num\_rows > 0) {

while ($row = $result->fetch\_assoc()) {

$name = $row['name'];

$category = $row['category'];

$description = $row['description'];

$price = $row['price'];

$image\_content = $row['laptop\_image'];

?>

<div class="flex items-center hover:bg-gray-100 -mx-8 px-6 py-5">

<div class="flex w-2/5">

<div class="w-20">

<img class="h-24" src="data:image/jpeg;base64,<?php echo base64\_encode($image\_content); ?>" alt="">

</div>

<div class="flex flex-col justify-between ml-12 flex-grow">

<p name="name"><span class="font-bold text-sm"><?php echo $name; ?></span></p>

<p><span class="text-red-500 text-xs"><?php echo $category; ?></span></p>

<form method="POST" action="">

<input type="hidden" name="name" value="<?php echo $name; ?>">

<button type="submit" name="edit" id="edit" class="font-semibold hover:text-red-500 text-gray-500 text-xs">Edit</button>

</form>

<form method="POST" action="">

<input type="hidden" name="name" value="<?php echo $name; ?>">

<button type="submit" name="delete" id="delete" class="font-semibold hover:text-red-500 text-gray-500 text-xs">Delete</button>

</form>

</div>

</div>

<div class="w-1/5 text-center">

<p><?php echo $description; ?></p>

</div>

<div class="w-1/5 text-center pl-20">

<p>$<?php echo $price; ?></p>

</div>

</div>

<?php

}

} else {

echo "No laptops found.";

}

// Close the database connection

$conn->close();

?>

<script src="main.js"></script>

</div>

</div>