**Lab#15 PHP with MySQL connectivity (Forms, Advance PHP and database handling) [Continuing Semester Project]**

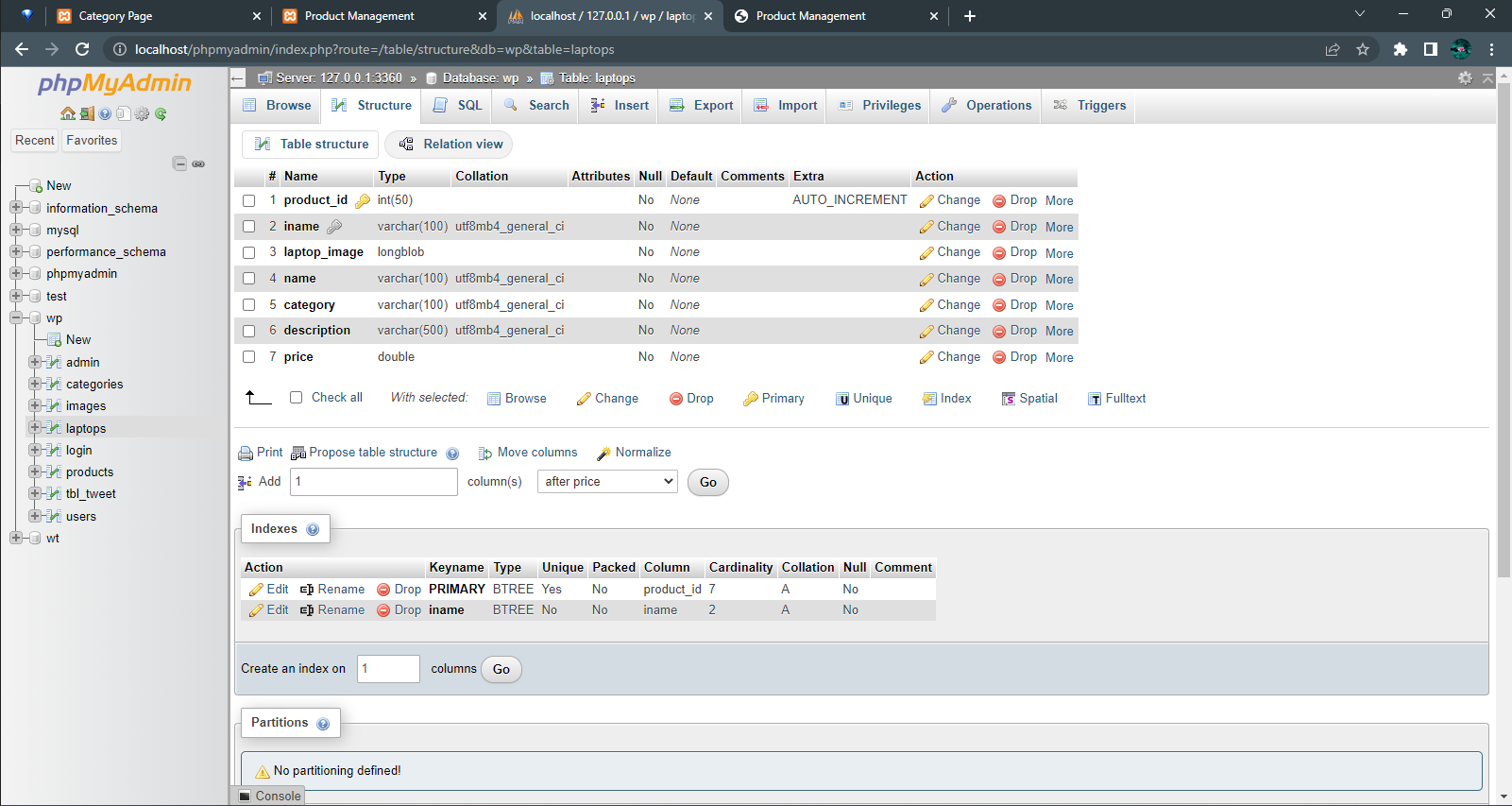
**Implement following web pages using PHP:**

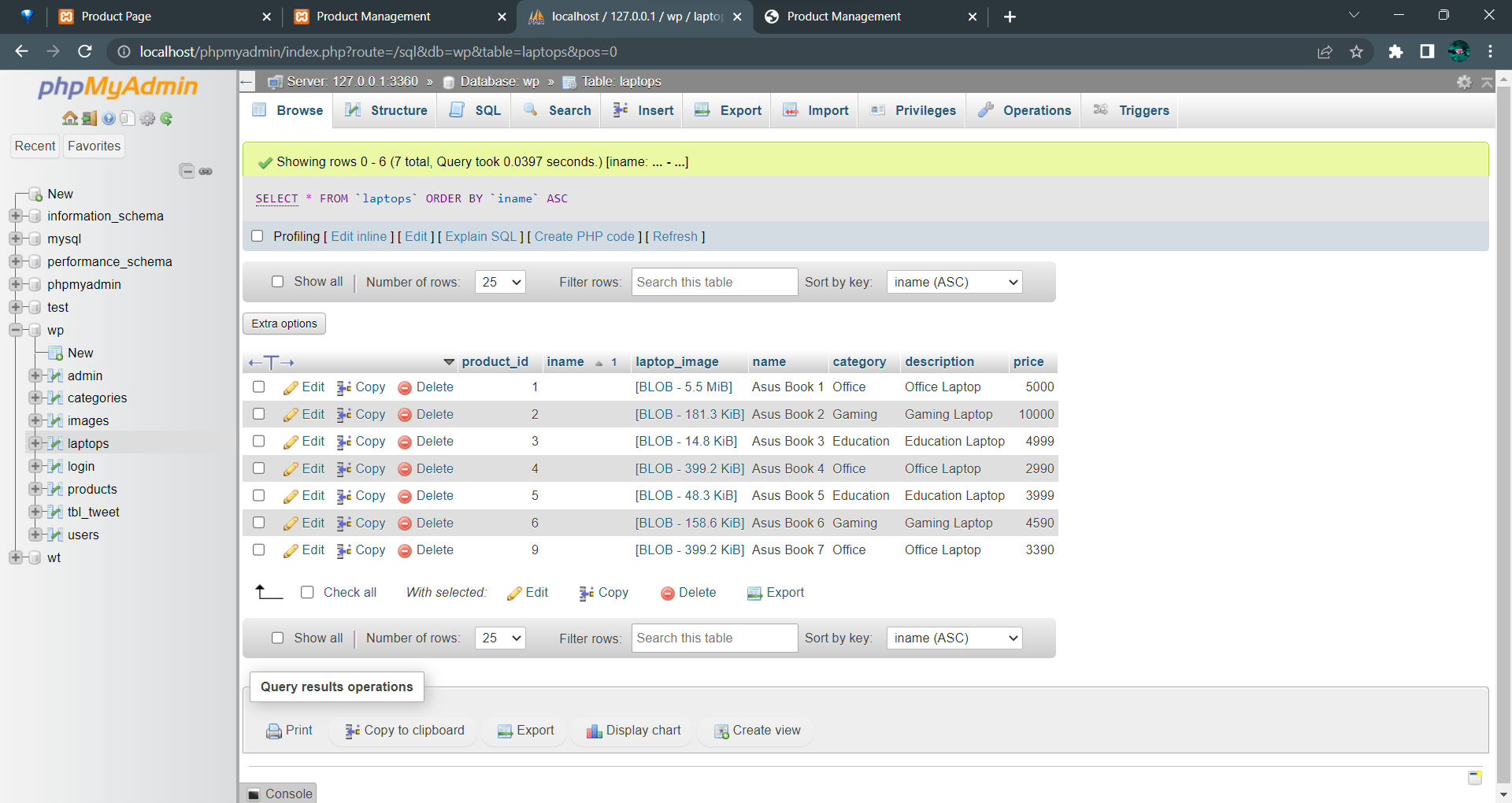
**a. Display the products category wise in Category Page.**

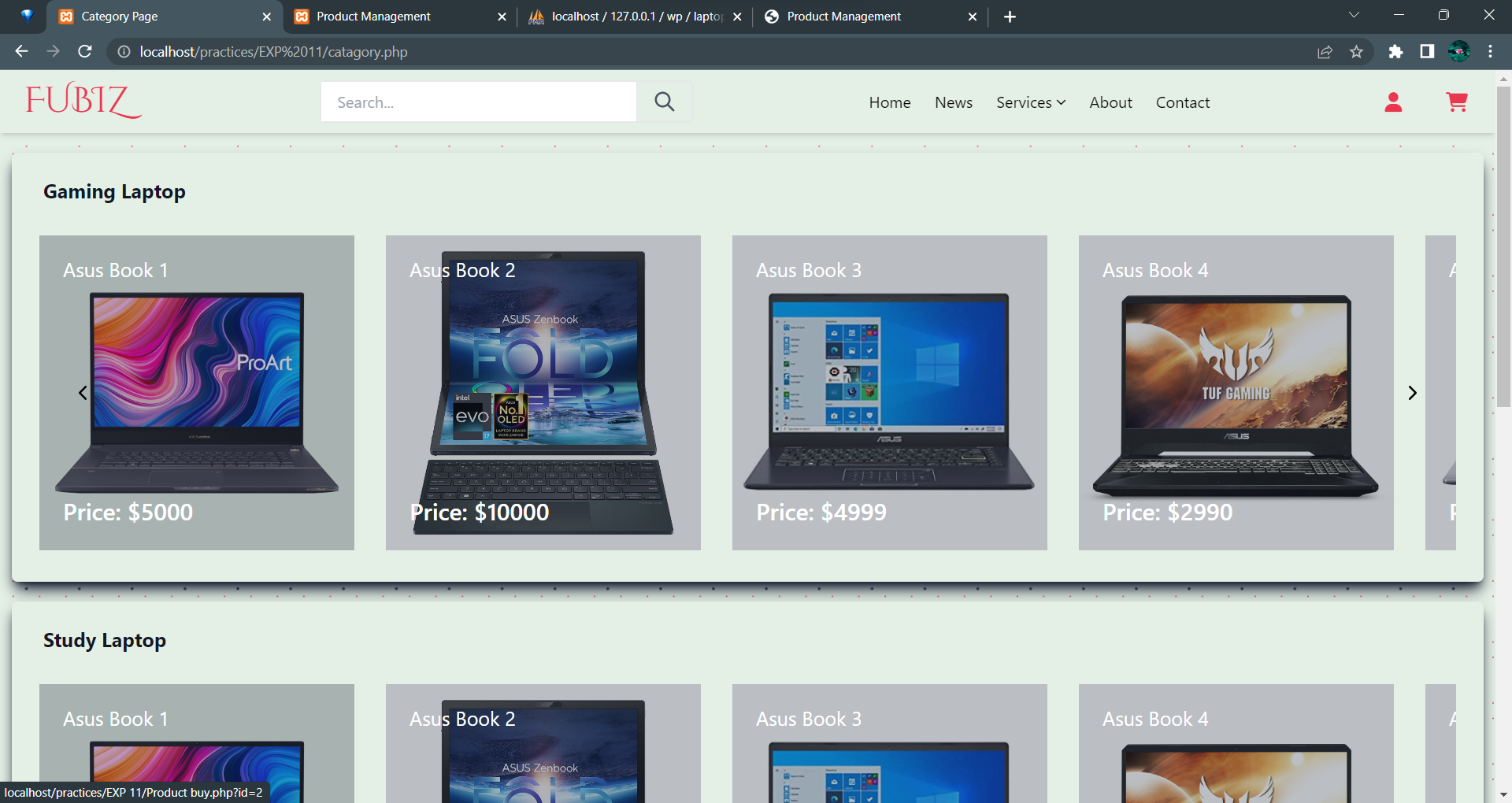
**b. Display detailed information of a single product in Product Page.**

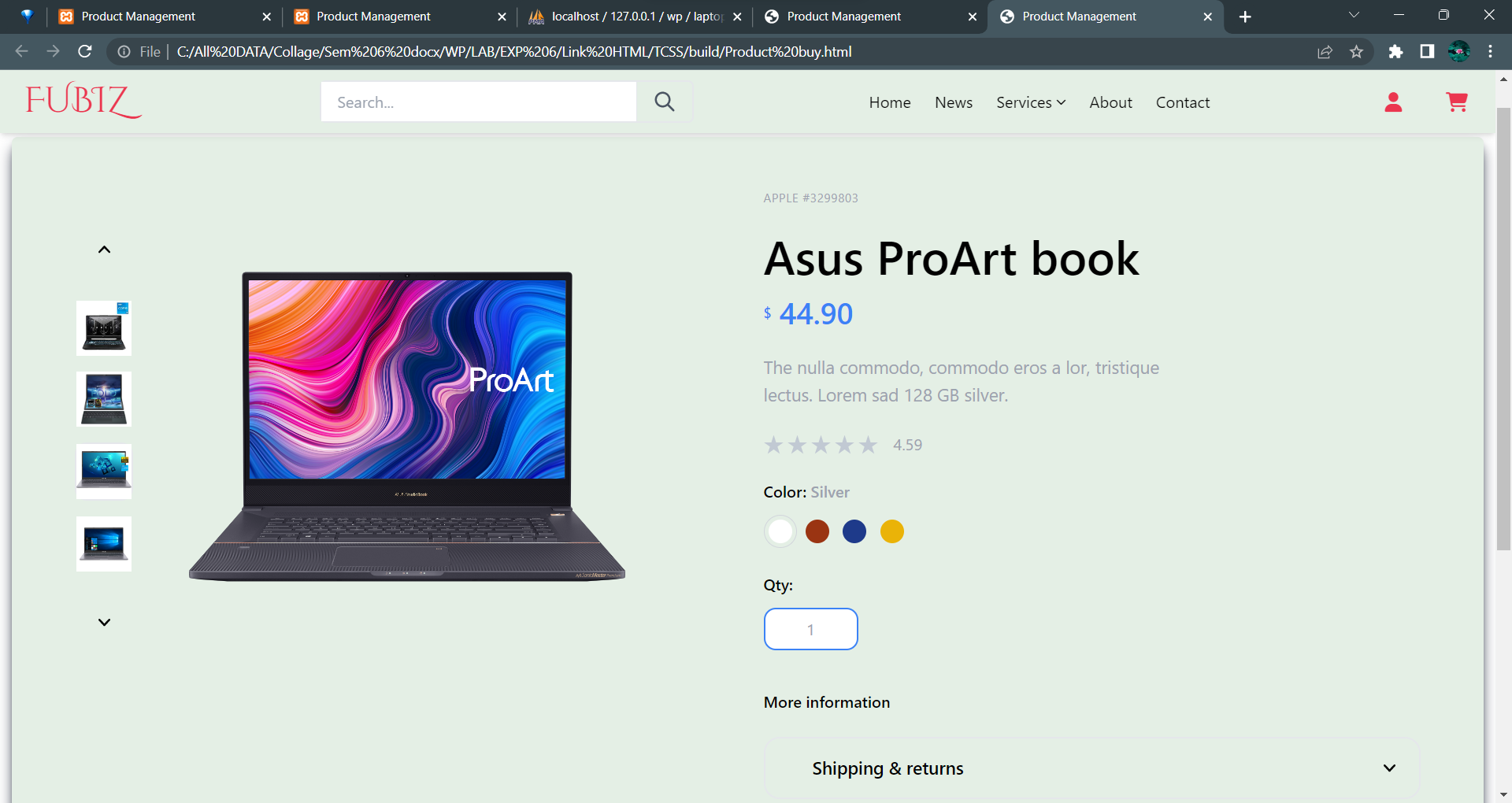
**Final Outcome:**

**a. Display the products category wise in Category Page.**

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**Code Snippet:**

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

**category.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);

}

// Fetch laptop data from the database

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

$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 flex-shrink-0 relative sm:w-auto">

<img src="data:image/jpeg;base64,<?php echo base64\_encode($image\_content); ?>" class="object-cover object-center w-80" alt="laptop" />

<div class="bg-gray-800 bg-opacity-30 absolute w-full h-full p-6">

<h2 class="lg:text-xl leading-4 text-base lg:leading-5 text-white"><?php echo $name; ?></h2>

<div class="flex h-full items-end pb-6">

<h3 class="text-xl lg:text-2xl font-semibold leading-5 lg:leading-6 text-white">Price: $<?php echo $price; ?></h3>

</div>

</div>

</div>

<?php

}

} else {

echo "No laptops found.";

}

// Close the database connection

$conn->close();

?>

**Product Buy.php:**

<?php

// Check if the 'id' parameter is set in the URL

if (isset($\_GET['id'])) {

// Retrieve the 'id' parameter from the URL

$id = $\_GET['id'];

// 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);

}

// Fetch the laptop details from the database based on the 'id'

$sql = "SELECT \* FROM laptops WHERE product\_id = '$id'";

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

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

// Fetch the laptop details

$row = $result->fetch\_assoc();

$name = $row['name'];

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

$price = $row['price'];

// Display the laptop details on the product page

echo "<img src='data:image/jpeg;base64," . base64\_encode($image) . "' class='mb-5' alt='Laptop Image'>";

} else {

echo "Laptop not found.";

}

// Close the database connection

$conn->close();

} else {

echo "Invalid request. Laptop ID not provided.";

}

?>

<?php

echo "$name";

?>

<?php

echo "$price";

?>