**Practical Assignment – 3**

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**Sem :- ICT-3**

**Roll No:- 27**

**Github Link =** [**https://github.com/Dhruvinjariwala1/Nodejs\_Assignment3**](https://github.com/Dhruvinjariwala1/Nodejs_Assignment3)

**1) Develop a Shopping Cart in Php With Following Requirements:-**

1. **home.php**

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

<meta name="viewport" content="width=device-width, initial-scale=1.0">

<title>Home Page</title>

<link href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.0/dist/css/bootstrap.min.css" rel="stylesheet">

<style>

.carousel-item {

position: relative;

}

.carousel-caption {

position: absolute;

top: 40%;

left: 50%;

transform: translate(-50%, -50%);

color: white;

text-align: center;

}

</style>

</head>

<body>

<nav class="navbar navbar-expand-lg navbar-info bg-info">

<div class="container-fluid">

<a class="navbar-brand" href="home.php">Shopping Cart</a>

<button class="navbar-toggler" type="button" data-bs-toggle="collapse" data-bs-target="#navbarNav" aria-controls="navbarNav" aria-expanded="false" aria-label="Toggle navigation">

<span class="navbar-toggler-icon"></span>

</button>

<div class="collapse navbar-collapse" id="navbarNav">

<ul class="navbar-nav ms-auto">

<li class="nav-item">

<a class="nav-link" href="./login.php">Login</a>

</li>

<li class="nav-item">

<a class="nav-link" href="./register.php">Register</a>

</li>

</ul>

</div>

</div>

</nav>

<div id="carouselExampleInterval" class="carousel slide" data-bs-ride="carousel">

<div class="carousel-inner">

<div class="carousel-item active" data-bs-interval="10000">

<img src="./s3.jpg" class="d-block w-100" alt="...">

<div class="carousel-caption">

<h1>Welcome to Our Shopping Cart</h1>

<p>Find the best deals and offers!</p>

</div>

</div>

<div class="carousel-item" data-bs-interval="2000">

<img src="./s4.png" class="d-block w-100" alt="...">

<div class="carousel-caption">

<h1>Exclusive Products</h1>

<p>Shop the latest trends and styles.</p>

</div>

</div>

<div class="carousel-item">

<img src="./s5.webp" class="d-block w-100" alt="...">

<div class="carousel-caption">

<h1>Special Discounts</h1>

<p>Get amazing discounts on your favorite items!</p>

</div>

</div>

</div>

<button class="carousel-control-prev" type="button" data-bs-target="#carouselExampleInterval" data-bs-slide="prev">

<span class="carousel-control-prev-icon" aria-hidden="true"></span>

<span class="visually-hidden">Previous</span>

</button>

<button class="carousel-control-next" type="button" data-bs-target="#carouselExampleInterval" data-bs-slide="next">

<span class="carousel-control-next-icon" aria-hidden="true"></span>

<span class="visually-hidden">Next</span>

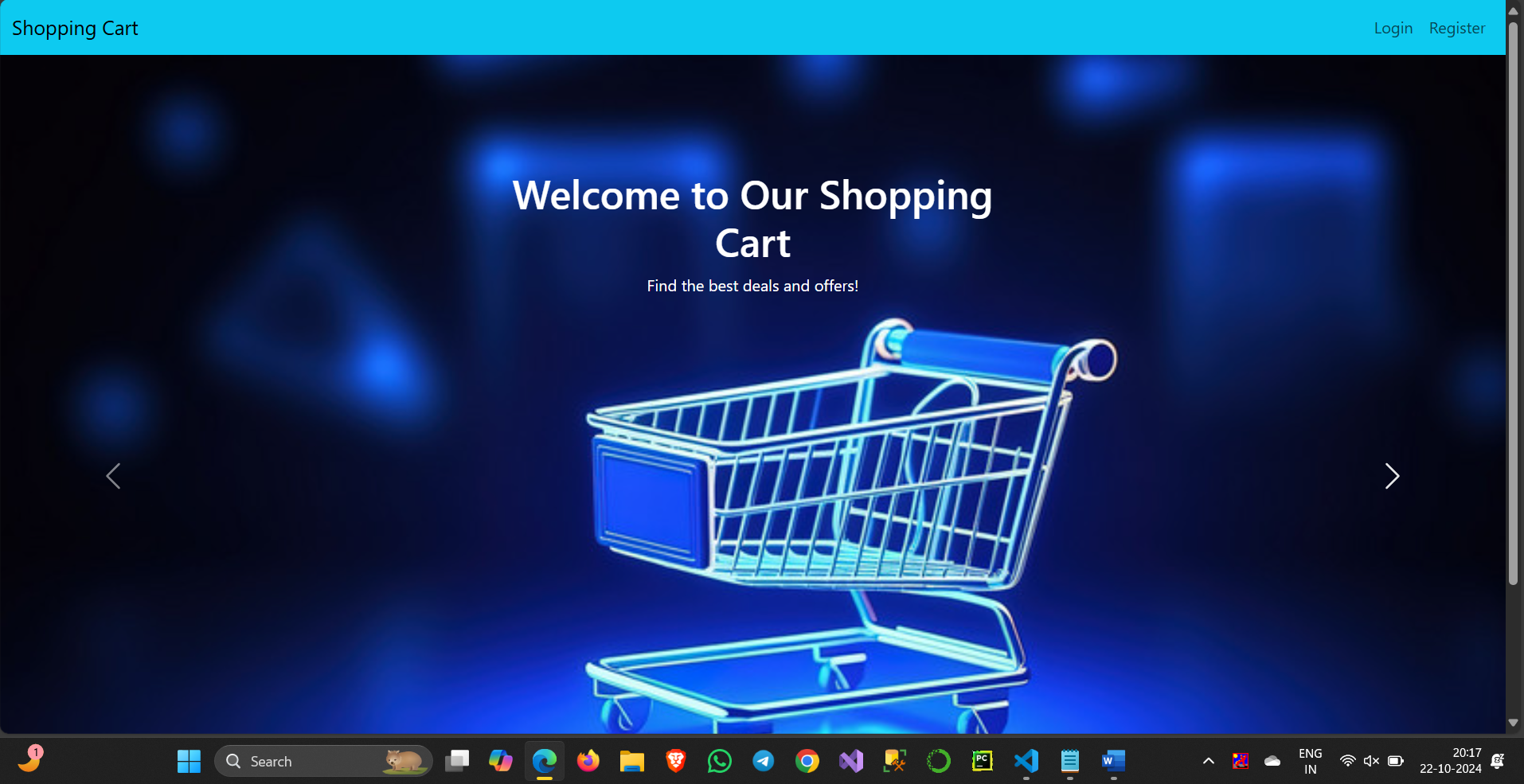
</button>

</div>

<script src="https://cdn.jsdelivr.net/npm/bootstrap@5.3.0/dist/js/bootstrap.bundle.min.js"></script>

</body>

</html>



1. **register.php**

<?php

include 'db.php';

if ($\_SERVER["REQUEST\_METHOD"] == "POST") {

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

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

$password = password\_hash($\_POST['password'], PASSWORD\_DEFAULT);

$stmt = $conn->prepare("INSERT INTO users (username, email, password) VALUES (:username, :email, :password)");

$stmt->bindParam(':username', $username);

$stmt->bindParam(':email', $email);

$stmt->bindParam(':password', $password);

if ($stmt->execute()) {

echo "User registered successfully!";

} else {

echo "Error: " . $stmt->errorInfo()[2];

}

}

?>

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

<meta name="viewport" content="width=device-width, initial-scale=1.0">

<title>Register</title>

<script src="https://www.google.com/recaptcha/api.js" async defer></script>

<link href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.3/dist/css/bootstrap.min.css" rel="stylesheet" integrity="sha384-QWTKZyjpPEjISv5WaRU9OFeRpok6YctnYmDr5pNlyT2bRjXh0JMhjY6hW+ALEwIH" crossorigin="anonymous">

<script src="https://cdn.jsdelivr.net/npm/bootstrap@5.3.3/dist/js/bootstrap.bundle.min.js" integrity="sha384-YvpcrYf0tY3lHB60NNkmXc5s9fDVZLESaAA55NDzOxhy9GkcIdslK1eN7N6jIeHz" crossorigin="anonymous"></script>

</head>

<body><br><br>

<h2 class="text-center">Register</h2>

<div class="container">

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

<label for="username">Username:</label>

<input type="text" name="username" class="form-control" placeholder="Enter Your Username" required><br>

<label for="email">Email:</label>

<input type="email" name="email" class="form-control" placeholder="Enter Your Email" required><br>

<label for="password">Password:</label>

<input type="password" name="password" class="form-control" placeholder="Enter Your Password" required><br>

<div class="g-recaptcha" data-sitekey="6LdlF2gqAAAAAKIQDUpxf4iV\_kk67PD41hdCbRvC"></div><br>

<button class="btn btn-primary" type="submit" value="Register">Register Now</button>

</form>

</div>

<script src="https://cdn.jsdelivr.net/npm/@popperjs/core@2.11.8/dist/umd/popper.min.js" integrity="sha384-I7E8VVD/ismYTF4hNIPjVp/Zjvgyol6VFvRkX/vR+Vc4jQkC+hVqc2pM8ODewa9r" crossorigin="anonymous"></script>

<script src="https://cdn.jsdelivr.net/npm/bootstrap@5.3.3/dist/js/bootstrap.min.js" integrity="sha384-0pUGZvbkm6XF6gxjEnlmuGrJXVbNuzT9qBBavbLwCsOGabYfZo0T0to5eqruptLy" crossorigin="anonymous"></script>

</body>

</html>

**A screenshot of a computer

Description automatically generated**

1. **login.php**

<?php

include 'db.php';

if ($\_SERVER["REQUEST\_METHOD"] == "POST") {

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

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

$stmt = $conn->prepare("SELECT \* FROM users WHERE username = :username");

$stmt->bindParam(':username', $username);

$stmt->execute();

$user = $stmt->fetch(PDO::FETCH\_ASSOC);

if ($user && password\_verify($password, $user['password'])) {

$\_SESSION['user\_id'] = $user['id'];

echo "Login successful!";

} else {

echo "Invalid credentials!";

}

}

?>

<?php

session\_start();

?>

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

<meta name="viewport" content="width=device-width, initial-scale=1.0">

<title>Login</title>

<link href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.3/dist/css/bootstrap.min.css" rel="stylesheet" integrity="sha384-QWTKZyjpPEjISv5WaRU9OFeRpok6YctnYmDr5pNlyT2bRjXh0JMhjY6hW+ALEwIH" crossorigin="anonymous">

<script src="https://cdn.jsdelivr.net/npm/bootstrap@5.3.3/dist/js/bootstrap.bundle.min.js" integrity="sha384-YvpcrYf0tY3lHB60NNkmXc5s9fDVZLESaAA55NDzOxhy9GkcIdslK1eN7N6jIeHz" crossorigin="anonymous"></script>

</head>

<body><br><br>

<h2 class="text-center">Login</h2>

<div class="container">

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

<label for="username">Username:</label>

<input type="text" class="form-control" placeholder="Enter Your Username" name="username" required><br>

<label for="password">Password:</label>

<input type="password" class="form-control" placeholder="Enter Your Password" name="password" required><br>

<button class="btn btn-primary" type="submit" value="Login">Login Now</button>

</form>

</div>

<script src="https://cdn.jsdelivr.net/npm/@popperjs/core@2.11.8/dist/umd/popper.min.js" integrity="sha384-I7E8VVD/ismYTF4hNIPjVp/Zjvgyol6VFvRkX/vR+Vc4jQkC+hVqc2pM8ODewa9r" crossorigin="anonymous"></script>

<script src="https://cdn.jsdelivr.net/npm/bootstrap@5.3.3/dist/js/bootstrap.min.js" integrity="sha384-0pUGZvbkm6XF6gxjEnlmuGrJXVbNuzT9qBBavbLwCsOGabYfZo0T0to5eqruptLy" crossorigin="anonymous"></script>

</body>

</html>

A screenshot of a computer

Description automatically generated

**4) logout.php**

<?php

session\_start();

session\_destroy();

header('Location: login.php');

exit();

?>

**5) db.php**

<?php

$host = 'localhost';

$db\_name = 'shopping\_cart';

$username = 'root';

$password = '1234';

try {

    $conn = new PDO("mysql:host=$host;dbname=$db\_name", $username, $password);

    $conn->setAttribute(PDO::ATTR\_ERRMODE, PDO::ERRMODE\_EXCEPTION);

} catch (PDOException $e) {

    echo "Connection failed: " . $e->getMessage();

}

?>

**2) Manage Category (CRUD)**

1. **category\_store.php**

<?php

include 'db.php';

if ($\_SERVER['REQUEST\_METHOD'] == 'POST') {

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

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

$sql = "INSERT INTO categories (name, description) VALUES (?, ?)";

$stmt = $conn->prepare($sql);

$stmt->bind\_param('ss', $name, $description);

if ($stmt->execute()) {

echo "Category added successfully!";

} else {

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

}

$stmt->close();

$conn->close();

}

?>

<!DOCTYPE html>

<html>

<head>

<title>Create Category</title>

<link href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.3/dist/css/bootstrap.min.css" rel="stylesheet" integrity="sha384-QWTKZyjpPEjISv5WaRU9OFeRpok6YctnYmDr5pNlyT2bRjXh0JMhjY6hW+ALEwIH" crossorigin="anonymous">

<script src="https://cdn.jsdelivr.net/npm/bootstrap@5.3.3/dist/js/bootstrap.bundle.min.js" integrity="sha384-YvpcrYf0tY3lHB60NNkmXc5s9fDVZLESaAA55NDzOxhy9GkcIdslK1eN7N6jIeHz" crossorigin="anonymous"></script>

</head>

<body><br><br>

<h2 class="text-center">Add New Category</h2>

<div class="container">

<form action="category\_store.php" method="POST">

<label for="name">Category Name:</label><br>

<input type="text" class="form-control" placeholder="Enter Your Category Name" id="name" name="name" required><br>

<label for="description">Description:</label><br>

<textarea id="description" class="form-control" placeholder="Enter Description" name="description" required></textarea><br>

<button type="submit" class="btn btn-primary" >Add Category</button>

</form>

</div>

<script src="https://cdn.jsdelivr.net/npm/@popperjs/core@2.11.8/dist/umd/popper.min.js" integrity="sha384-I7E8VVD/ismYTF4hNIPjVp/Zjvgyol6VFvRkX/vR+Vc4jQkC+hVqc2pM8ODewa9r" crossorigin="anonymous"></script>

<script src="https://cdn.jsdelivr.net/npm/bootstrap@5.3.3/dist/js/bootstrap.min.js" integrity="sha384-0pUGZvbkm6XF6gxjEnlmuGrJXVbNuzT9qBBavbLwCsOGabYfZo0T0to5eqruptLy" crossorigin="anonymous"></script>

</body>

</html>

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**2) category\_edit.php**

<?php

include 'db.php';

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

$sql = "SELECT \* FROM categories WHERE id = ?";

$stmt = $conn->prepare($sql);

$stmt->bind\_param('i', $id);

$stmt->execute();

$result = $stmt->get\_result();

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

?>

<!DOCTYPE html>

<html>

<head>

<title>Edit Category</title>

<link href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.3/dist/css/bootstrap.min.css" rel="stylesheet" integrity="sha384-QWTKZyjpPEjISv5WaRU9OFeRpok6YctnYmDr5pNlyT2bRjXh0JMhjY6hW+ALEwIH" crossorigin="anonymous">

<script src="https://cdn.jsdelivr.net/npm/bootstrap@5.3.3/dist/js/bootstrap.bundle.min.js" integrity="sha384-YvpcrYf0tY3lHB60NNkmXc5s9fDVZLESaAA55NDzOxhy9GkcIdslK1eN7N6jIeHz" crossorigin="anonymous"></script>

</head>

<body><br><br>

<h2 class="text-center">Edit Category</h2>

<div class="container">

<form action="update\_category.php?id=<?php echo $category['id']; ?>" method="POST">

<label for="name">Category Name:</label><br>

<input type="text" class="form-control" placeholder="Enter Your Category Name" id="name" name="name" value="<?php echo $category['name']; ?>" required><br><br>

<label for="description">Description:</label><br>

<textarea id="description" class="form-control" placeholder="Enter Description" name="description" required><?php echo $category['description']; ?></textarea><br><br>

<button type="submit" class="btn btn-warning">Update Category</button>

</form>

</div>

<script src="https://cdn.jsdelivr.net/npm/@popperjs/core@2.11.8/dist/umd/popper.min.js" integrity="sha384-I7E8VVD/ismYTF4hNIPjVp/Zjvgyol6VFvRkX/vR+Vc4jQkC+hVqc2pM8ODewa9r" crossorigin="anonymous"></script>

<script src="https://cdn.jsdelivr.net/npm/bootstrap@5.3.3/dist/js/bootstrap.min.js" integrity="sha384-0pUGZvbkm6XF6gxjEnlmuGrJXVbNuzT9qBBavbLwCsOGabYfZo0T0to5eqruptLy" crossorigin="anonymous"></script>

</body>

</html>

A screenshot of a computer

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**3) category\_delete.php**

<?php

include 'db.php';

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

$sql = "DELETE FROM categories WHERE id = ?";

$stmt = $conn->prepare($sql);

$stmt->bind\_param('i', $id);

if ($stmt->execute()) {

    echo "Category deleted successfully!";

} else {

    echo "Error: " . $stmt->error;

}

$stmt->close();

$conn->close();

?>

**4) category\_list.php**

<?php

include 'db.php';

$sql = "SELECT \* FROM categories";

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

?>

<!DOCTYPE html>

<html>

<head>

<title>Categories List</title>

<link href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.3/dist/css/bootstrap.min.css" rel="stylesheet" integrity="sha384-QWTKZyjpPEjISv5WaRU9OFeRpok6YctnYmDr5pNlyT2bRjXh0JMhjY6hW+ALEwIH" crossorigin="anonymous">

<script src="https://cdn.jsdelivr.net/npm/bootstrap@5.3.3/dist/js/bootstrap.bundle.min.js" integrity="sha384-YvpcrYf0tY3lHB60NNkmXc5s9fDVZLESaAA55NDzOxhy9GkcIdslK1eN7N6jIeHz" crossorigin="anonymous"></script>

</head>

<body><br><br>

<h2 class="text-center">Categories</h2>

<div class="container">

<table class="table table-bordered">

<thead class="table-dark">

<tr>

<th>ID</th>

<th>Name</th>

<th>Description</th>

<th>Action</th>

</tr>

</thead>

<?php while($row = $result->fetch\_assoc()): ?>

<tr>

<td><?php echo $row['id']; ?></td>

<td><?php echo $row['name']; ?></td>

<td><?php echo $row['description']; ?></td>

<td>

<a class="btn btn-warning" href="category\_edit.php?id=<?php echo $row['id']; ?>">Edit</a> |

<a class="btn btn-danger" href="category\_delete.php?id=<?php echo $row['id']; ?>" onclick="return confirm('Are you sure?')">Delete</a>

</td>

</tr>

<?php endwhile; ?>

</table>

<a class="btn btn-primary" href="category\_store.php">Back</a>

</div>

<script src="https://cdn.jsdelivr.net/npm/@popperjs/core@2.11.8/dist/umd/popper.min.js" integrity="sha384-I7E8VVD/ismYTF4hNIPjVp/Zjvgyol6VFvRkX/vR+Vc4jQkC+hVqc2pM8ODewa9r" crossorigin="anonymous"></script>

<script src="https://cdn.jsdelivr.net/npm/bootstrap@5.3.3/dist/js/bootstrap.min.js" integrity="sha384-0pUGZvbkm6XF6gxjEnlmuGrJXVbNuzT9qBBavbLwCsOGabYfZo0T0to5eqruptLy" crossorigin="anonymous"></script>

</body>

</html>

A screenshot of a computer

Description automatically generated

**5) update\_category.php**

<?php

include 'db.php';

if ($\_SERVER['REQUEST\_METHOD'] == 'POST') {

    $id = $\_GET['id'];

    $name = $\_POST['name'];

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

    $sql = "UPDATE categories SET name = ?, description = ? WHERE id = ?";

    $stmt = $conn->prepare($sql);

    $stmt->bind\_param('ssi', $name, $description, $id);

    if ($stmt->execute()) {

        echo "Category updated successfully!";

    } else {

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

    }

    $stmt->close();

    $conn->close();

}

?>

**6) db.php**

<?php

$host = "localhost";

$user = "root";

$password = "1234";

$dbname = "shopping\_cart";

$conn = new mysqli($host, $user, $password, $dbname);

if ($conn->connect\_error) {

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

}

?>

**3) Manage Products (Product data with pictures. Upload picture and resize them)**

1. **product\_add.php**

<?php

include 'db.php';

if ($\_SERVER["REQUEST\_METHOD"] == "POST") {

$product\_name = $\_POST['product\_name'];

$category\_id = $\_POST['category\_id'];

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

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

$image\_path = '';

if (isset($\_FILES['image']) && $\_FILES['image']['error'] == 0) {

$image\_name = basename($\_FILES['image']['name']);

$image\_path = "uploads/" . $image\_name;

move\_uploaded\_file($\_FILES['image']['tmp\_name'], $image\_path);

}

$stmt = $pdo->prepare("INSERT INTO products (product\_name, id, description, price, image\_path) VALUES (?, ?, ?, ?, ?)");

$stmt->execute([$product\_name, $category\_id, $description, $price, $image\_path]);

echo "Product added successfully!";

}

?>

<link href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.3/dist/css/bootstrap.min.css" rel="stylesheet" integrity="sha384-QWTKZyjpPEjISv5WaRU9OFeRpok6YctnYmDr5pNlyT2bRjXh0JMhjY6hW+ALEwIH" crossorigin="anonymous">

<script src="https://cdn.jsdelivr.net/npm/bootstrap@5.3.3/dist/js/bootstrap.bundle.min.js" integrity="sha384-YvpcrYf0tY3lHB60NNkmXc5s9fDVZLESaAA55NDzOxhy9GkcIdslK1eN7N6jIeHz" crossorigin="anonymous"></script>

<br><br>

<h2 class="text-center">Create a New Product</h2>

<div class="container">

<form method="post" enctype="multipart/form-data">

<label for="product\_name">Product Name:-</label>

<input type="text" name="product\_name" class="form-control" placeholder="Product Name" required><br>

<label for="category\_id">Category</label>

<select name="category\_id" class="form-control">

<?php

$categories = $pdo->query("SELECT id, name FROM categories");

foreach ($categories as $category) {

echo "<option value='{$category['id']}'>{$category['name']}</option>";

}

?>

</select><br>

<label for="description">Description:-</label>

<textarea name="description" class="form-control" placeholder="Description"></textarea><br>

<label for="price">Price:-</label>

<input type="number" name="price" class="form-control" placeholder="Price" required><br>

<label for="image">Product Image</label>

<input type="file" class="form-control" name="image"><br>

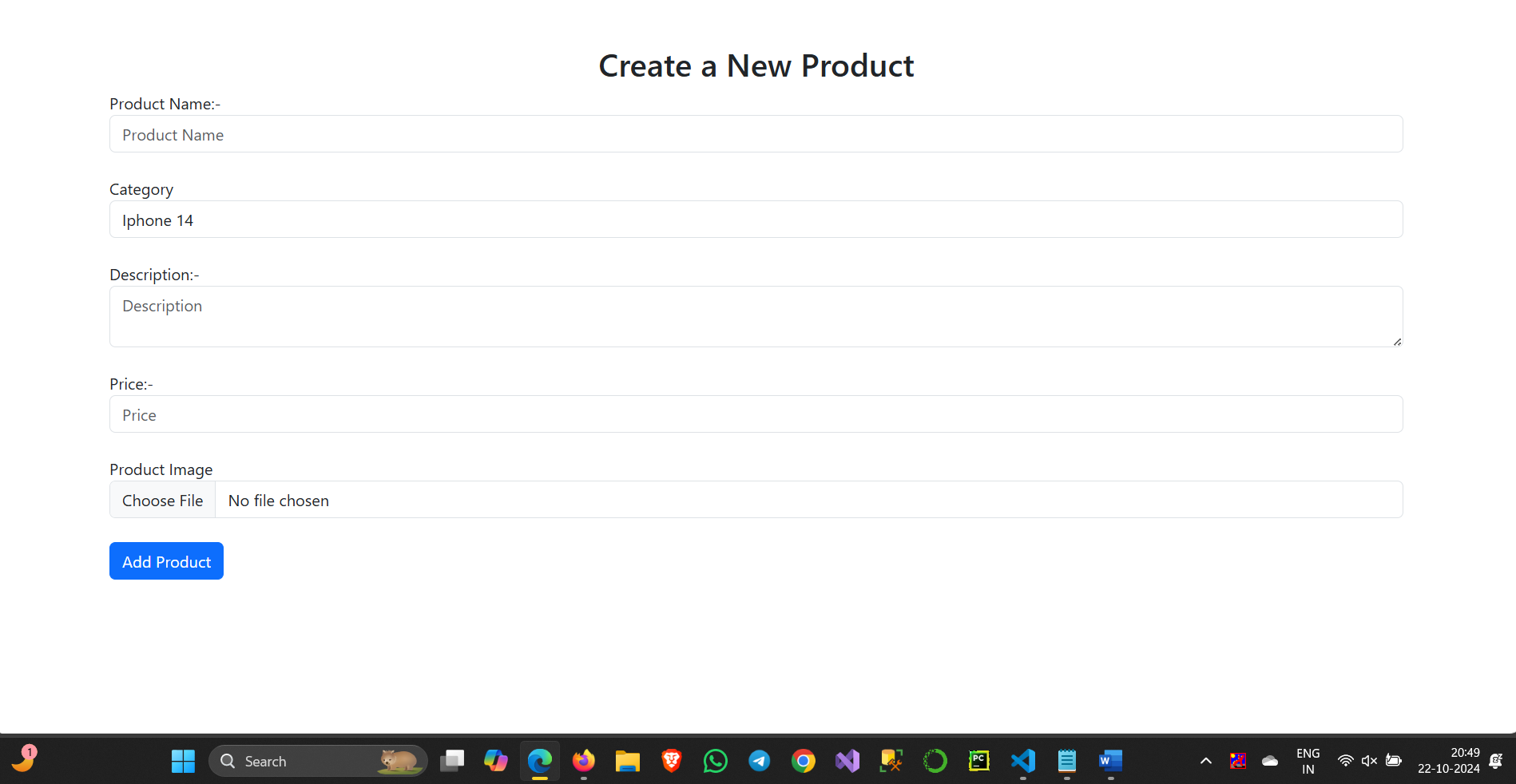
<button class="btn btn-primary" type="submit">Add Product</button>

</form>

</div>

<script src="https://cdn.jsdelivr.net/npm/@popperjs/core@2.11.8/dist/umd/popper.min.js" integrity="sha384-I7E8VVD/ismYTF4hNIPjVp/Zjvgyol6VFvRkX/vR+Vc4jQkC+hVqc2pM8ODewa9r" crossorigin="anonymous"></script>

<script src="https://cdn.jsdelivr.net/npm/bootstrap@5.3.3/dist/js/bootstrap.min.js" integrity="sha384-0pUGZvbkm6XF6gxjEnlmuGrJXVbNuzT9qBBavbLwCsOGabYfZo0T0to5eqruptLy" crossorigin="anonymous"></script>



**2) product\_edit.php**

<?php

include 'db.php';

if ($\_SERVER["REQUEST\_METHOD"] == "POST") {

$product\_id = $\_POST['product\_id'];

$product\_name = $\_POST['product\_name'];

$category\_id = $\_POST['category\_id'];

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

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

$image\_path = $\_POST['current\_image'];

if (isset($\_FILES['image']) && $\_FILES['image']['error'] == 0) {

$image\_name = basename($\_FILES['image']['name']);

$image\_path = "uploads/" . $image\_name;

move\_uploaded\_file($\_FILES['image']['tmp\_name'], $image\_path);

}

$stmt = $pdo->prepare("UPDATE products SET product\_name = ?, id = ?, description = ?, price = ?, image\_path = ? WHERE product\_id = ?");

$stmt->execute([$product\_name, $category\_id, $description, $price, $image\_path, $product\_id]);

echo "Product updated successfully!";

}

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

$product = $pdo->prepare("SELECT \* FROM products WHERE product\_id = ?");

$product->execute([$product\_id]);

$product = $product->fetch();

?>

<link href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.3/dist/css/bootstrap.min.css" rel="stylesheet" integrity="sha384-QWTKZyjpPEjISv5WaRU9OFeRpok6YctnYmDr5pNlyT2bRjXh0JMhjY6hW+ALEwIH" crossorigin="anonymous">

<script src="https://cdn.jsdelivr.net/npm/bootstrap@5.3.3/dist/js/bootstrap.bundle.min.js" integrity="sha384-YvpcrYf0tY3lHB60NNkmXc5s9fDVZLESaAA55NDzOxhy9GkcIdslK1eN7N6jIeHz" crossorigin="anonymous"></script>

<br><br>

<h2 class="text-center">Update Products</h2>

<div class="container">

<form method="post" enctype="multipart/form-data">

<label for="product\_id">Product Id:-</label>

<input type="hidden" class="form-control" name="product\_id" value="<?php echo $product['product\_id']; ?>">

<label for="product\_name">Product Name:-</label>

<input type="text" class="form-control" placeholder="Enter Your Product Name" name="product\_name" value="<?php echo $product['product\_name']; ?>" required><br>

<label for="category\_id">Category:-</label>

<select class="form-control" name="category\_id">

<?php

$categories = $pdo->query("SELECT id, name FROM categories");

foreach ($categories as $category) {

$selected = $category['id'] == $product['id'] ? 'selected' : '';

echo "<option value='{$category['id']}' {$selected}>{$category['name']}</option>";

}

?>

</select><br>

<label for="description">Description</label>

<textarea class="form-control" placeholder="Enter Description" name="description"><?php echo $product['description']; ?></textarea><br>

<label for="price">Price:-</label>

<input class="form-control" placeholder="Enter Your Price" type="text" name="price" value="<?php echo $product['price']; ?>" required><br>

<label for="image">Product Image</label>

<input type="file" class="form-control" name="image"><br>

<input type="hidden" name="current\_image" value="<?php echo $product['image\_path']; ?>">

<button class="btn btn-primary" type="submit">Update Product</button>

<a class="btn btn-primary" href="product\_add.php">Back</a>

</form>

</div>

<script src="https://cdn.jsdelivr.net/npm/@popperjs/core@2.11.8/dist/umd/popper.min.js" integrity="sha384-I7E8VVD/ismYTF4hNIPjVp/Zjvgyol6VFvRkX/vR+Vc4jQkC+hVqc2pM8ODewa9r" crossorigin="anonymous"></script>

<script src="https://cdn.jsdelivr.net/npm/bootstrap@5.3.3/dist/js/bootstrap.min.js" integrity="sha384-0pUGZvbkm6XF6gxjEnlmuGrJXVbNuzT9qBBavbLwCsOGabYfZo0T0to5eqruptLy" crossorigin="anonymous"></script>

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**3) product\_delete.php**

<?php

include 'db.php';

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

    $product\_id = $\_GET['id'];

    $product = $pdo->prepare("SELECT image\_path FROM products WHERE product\_id = ?");

    $product->execute([$product\_id]);

    $product = $product->fetch();

    if ($product['image\_path'] && file\_exists($product['image\_path'])) {

        unlink($product['image\_path']);

    }

    $stmt = $pdo->prepare("DELETE FROM products WHERE product\_id = ?");

    $stmt->execute([$product\_id]);

    echo "Product deleted successfully!";

}

?>

**4) product\_read.php**

<?php

include 'db.php';

$products = $pdo->query("SELECT products.\*, categories.name AS category\_name FROM products

JOIN categories ON products.id = categories.id");

?>

<link href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.3/dist/css/bootstrap.min.css" rel="stylesheet" integrity="sha384-QWTKZyjpPEjISv5WaRU9OFeRpok6YctnYmDr5pNlyT2bRjXh0JMhjY6hW+ALEwIH" crossorigin="anonymous">

<script src="https://cdn.jsdelivr.net/npm/bootstrap@5.3.3/dist/js/bootstrap.bundle.min.js" integrity="sha384-YvpcrYf0tY3lHB60NNkmXc5s9fDVZLESaAA55NDzOxhy9GkcIdslK1eN7N6jIeHz" crossorigin="anonymous"></script>

<br><br>

<h2 class="text-center">Products List</h2>

<div class="container mt-5">

<table class="table table-bordered">

<thead class="table-dark">

<tr>

<th>Product Name</th>

<th>Category</th>

<th>Description</th>

<th>Price</th>

<th>Image</th>

<th>Actions</th>

</tr>

</thead>

<tbody>

<?php foreach ($products as $product): ?>

<tr>

<td><?= htmlspecialchars($product['product\_name']) ?></td>

<td><?= htmlspecialchars($product['category\_name']) ?></td>

<td><?= htmlspecialchars($product['description']) ?></td>

<td>$<?= htmlspecialchars($product['price']) ?></td>

<td>

<?php if ($product['image\_path']): ?>

<img src="<?= htmlspecialchars($product['image\_path']) ?>" width="100">

<?php endif; ?>

</td>

<td>

<a href="product\_edit.php?id=<?= $product['product\_id'] ?>" class="btn btn-warning">Edit</a>

<a href="product\_delete.php?id=<?= $product['product\_id'] ?>" class="btn btn-danger">Delete</a>

</td>

</tr>

<?php endforeach; ?>

</tbody>

</table>

</div>

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**4) Read data from students.xml file and store them in students table of MySQL.**

1. **index.php**

<?php

$servername = "localhost";

$username = "root";

$password = "1234";

$dbname = "shopping\_cart";

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

if ($conn->connect\_error) {

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

}

$xml = simplexml\_load\_file('students.xml') or die("Error: Cannot create object");

foreach($xml->student as $student) {

$id = $student->id;

$name = $student->name;

$age = $student->age;

$course = $student->course;

$sql = "INSERT INTO students (id, name, age, course) VALUES ('$id', '$name', '$age', '$course')";

if ($conn->query($sql) === TRUE) {

echo "New record created successfully<br>";

} else {

echo "Error: " . $sql . "<br>" . $conn->error;

}

}

$conn->close();

?>

**2) students.xml**

<students>

  <student>

    <id>1</id>

    <name>Abhi Jariwala</name>

    <age>21</age>

    <course>Computer Science</course>

  </student>

  <student>

    <id>2</id>

    <name>Varun Rajput</name>

    <age>20</age>

    <course>Information Technology</course>

  </student>

  <student>

    <id>3</id>

    <name>Dhruvin Jariwala</name>

    <age>23</age>

    <course>Bachelor of Computer Application</course>

  </student>

</students>

**5) Read data from students table of MySQL and store them in students.xml file.**

1. **index.php**

<?php

$servername = "localhost";

$username = "root";

$password = "1234";

$dbname = "shopping\_cart";

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

if ($conn->connect\_error) {

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

}

$xml = simplexml\_load\_file('students.xml') or die("Error: Cannot create object");

foreach($xml->student as $student) {

    $id = $student->id;

    $name = $student->name;

    $age = $student->age;

    $course = $student->course;

    $sql = "INSERT INTO students (id, name, age, course) VALUES ('$id', '$name', '$age', '$course')";

    if ($conn->query($sql) === TRUE) {

        echo "New record created successfully<br>";

    } else {

        echo "Error: " . $sql . "<br>" . $conn->error;

    }

}

$conn->close();

?>

1. **students.xml**

<students>

<student>

<id>1</id>

<name>Abhi Jariwala</name>

<age>21</age>

<course>Computer Science</course>

</student>

<student>

<id>2</id>

<name>Varun Rajput</name>

<age>20</age>

<course>Information Technology</course>

</student>

<student>

<id>3</id>

<name>Dhruvin Jariwala</name>

<age>23</age>

<course>Bachelor of Computer Application</course>

</student>

</students>

**6) List files in a directory.**

1. **List\_files.php**

<?php

$directory = 'C:\wamp64\www\Nodejs\_Assignment3';

if (is\_dir($directory)) {

    $files = scandir($directory);

    $files = array\_diff($files, array('.', '..'));

    echo "<h2>Files in the directory:</h2>";

    echo "<ul>";

    foreach ($files as $file) {

        echo "<li>" . htmlspecialchars($file) . "</li>";

    }

    echo "</ul>";

} else {

    echo "<h2>Directory does not exist.</h2>";

}

?>

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**7) Call express rest api in php.**

1. **call\_express\_api.php**

<?php

$url = 'http://localhost:3000/api/data';

$ch = curl\_init($url);

curl\_setopt($ch, CURLOPT\_RETURNTRANSFER, true);

$response = curl\_exec($ch);

if ($response === false) {

    echo 'Error: ' . curl\_error($ch);

} else {

    $data = json\_decode($response, true);

    echo 'Response from Express: ' . $data['message'];

}

curl\_close($ch);

?>

1. **server.js**

const express = require('express');

const app = express();

app.use(express.json());

app.get('/api/data', (req, res) => {

    res.json({ message: 'Hello from Dhruvin Jariwala!' });

});

const port = 5000;

app.listen(port, () => {

    console.log(`Server is running on port ${port}`);

});

**6) Call php rest api in express.**

1. **api.php**

<?php

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

$data = [

    ["id" => 1, "name" => "Abhi", "email" => "abhi@example.com"],

    ["id" => 2, "name" => "Varun", "email" => "varun@example.com"]

];

echo json\_encode($data);

?>

1. **express\_server.js**

const express = require('express');

const axios = require('axios');

const app = express();

const PORT = 3000;

app.get('/users', *async*(req, res) => {

    try {

        const response = await axios.get('http://localhost/shoppingcart/students/api.php');

        res.json(response.data);

    } catch (error) {

        res.status(500).json({ error: 'Failed to fetch data' });

    }

});

app.listen(PORT, () => {

    console.log(`Server is running on http://localhost:${PORT}`);

});

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