Создание простого CMS для добавления товаров на PHP

**Шаг 1: Создание базы данных**

Добавим колонку для хранения роли пользователя и создадим таблицу для хранения товаров в корзине.

CREATE DATABASE cms\_shop;

USE cms\_shop;

CREATE TABLE users (

id INT AUTO\_INCREMENT PRIMARY KEY,

username VARCHAR(50) NOT NULL,

password VARCHAR(255) NOT NULL,

role ENUM('admin', 'user') NOT NULL

);

CREATE TABLE products (

id INT AUTO\_INCREMENT PRIMARY KEY,

name VARCHAR(100) NOT NULL,

description TEXT,

price DECIMAL(10, 2) NOT NULL,

image VARCHAR(255),

created\_at TIMESTAMP DEFAULT CURRENT\_TIMESTAMP

);

CREATE TABLE cart (

id INT AUTO\_INCREMENT PRIMARY KEY,

user\_id INT NOT NULL,

product\_id INT NOT NULL,

FOREIGN KEY (user\_id) REFERENCES users(id),

FOREIGN KEY (product\_id) REFERENCES products(id)

);

**Шаг 2: Регистрация с выбором роли (register.php)**

<?php

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

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

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

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

$conn = new mysqli('localhost', 'root', '', 'cms\_shop');

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

$stmt->bind\_param("sss", $username, $password, $role);

$stmt->execute();

$stmt->close();

$conn->close();

header('Location: login.php');

}

?>

<form method="post">

<h2>Register</h2>

Username: <input type="text" name="username" required><br>

Password: <input type="password" name="password" required><br>

Role:

<select name="role" required>

<option value="user">User</option>

<option value="admin">Administrator</option>

</select><br>

<button type="submit">Register</button>

</form>

**Шаг 3: Авторизация с проверкой роли (login.php)**

<?php

session\_start();

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

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

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

$conn = new mysqli('localhost', 'root', '', 'cms\_shop');

$stmt = $conn->prepare("SELECT id, password, role FROM users WHERE username = ?");

$stmt->bind\_param("s", $username);

$stmt->execute();

$stmt->store\_result();

$stmt->bind\_result($id, $hashed\_password, $role);

$stmt->fetch();

if ($stmt->num\_rows > 0 && password\_verify($password, $hashed\_password)) {

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

$\_SESSION['user\_role'] = $role;

if ($role == 'admin') {

header('Location: cms.php');

} else {

header('Location: index.php');

}

} else {

echo "Invalid login credentials";

}

$stmt->close();

$conn->close();

}

?>

<form method="post">

<h2>Login</h2>

Username: <input type="text" name="username" required><br>

Password: <input type="password" name="password" required><br>

<button type="submit">Login</button>

</form>

**Шаг 4: Главная страница с функцией добавления в корзину (index.php)**

<?php

session\_start();

$conn = new mysqli('localhost', 'root', '', 'cms\_shop');

if ($\_SERVER['REQUEST\_METHOD'] == 'POST' && isset($\_POST['add\_to\_cart'])) {

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

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

$stmt = $conn->prepare("INSERT INTO cart (user\_id, product\_id) VALUES (?, ?)");

$stmt->bind\_param("ii", $user\_id, $product\_id);

$stmt->execute();

$stmt->close();

}

?>

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

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

<title>CMS Shop</title>

</head>

<body>

<h1>Welcome to CMS Shop</h1>

<?php if (!isset($\_SESSION['user\_id'])): ?>

<a href="register.php">Register</a> | <a href="login.php">Login</a>

<?php else: ?>

<a href="cart.php">My Cart</a>

<?php if ($\_SESSION['user\_role'] == 'admin'): ?>

| <a href="cms.php">Go to CMS</a>

<?php endif; ?>

| <a href="logout.php">Logout</a>

<?php endif; ?>

<h2>All Products</h2>

<?php

$result = $conn->query("SELECT id, name, description, price, image, created\_at FROM products");

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

<div>

<h3><?php echo $row['name']; ?></h3>

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

<p>Price: $<?php echo $row['price']; ?></p>

<?php if ($row['image']): ?>

<img src="images/<?php echo $row['image']; ?>" alt="<?php echo $row['name']; ?>" width="150">

<?php endif; ?>

<p>Added on: <?php echo $row['created\_at']; ?></p>

<?php if (isset($\_SESSION['user\_id']) && $\_SESSION['user\_role'] == 'user'): ?>

<form method="post">

<input type="hidden" name="product\_id" value="<?php echo $row['id']; ?>">

<button type="submit" name="add\_to\_cart">Add to Cart</button>

</form>

<?php endif; ?>

</div>

<hr>

<?php endwhile; ?>

</body>

</html>

**Шаг 5: Админ-панель (cms.php)**

<?php

session\_start();

if (!isset($\_SESSION['user\_id']) || $\_SESSION['user\_role'] != 'admin') {

header('Location: index.php');

exit;

}

$conn = new mysqli('localhost', 'root', '', 'cms\_shop');

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

if (isset($\_POST['add\_product'])) {

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

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

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

$image = $\_FILES['image']['name'];

$target = "images/" . basename($image);

$stmt = $conn->prepare("INSERT INTO products (name, description, price, image) VALUES (?, ?, ?, ?)");

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

$stmt->execute();

$stmt->close();

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

header('Location: cms.php');

} elseif (isset($\_POST['edit\_product'])) {

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

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

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

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

$image = $\_FILES['image']['name'];

$target = "images/" . basename($image);

if ($image) {

$stmt = $conn->prepare("UPDATE products SET name = ?, description = ?, price = ?, image = ? WHERE id = ?");

$stmt->bind\_param("ssdsi", $name, $description, $price, $image, $id);

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

} else {

$stmt = $conn->prepare("UPDATE products SET name = ?, description = ?, price = ? WHERE id = ?");

$stmt->bind\_param("ssdi", $name, $description, $price, $id);

}

$stmt->execute();

$stmt->close();

header('Location: cms.php');

} elseif (isset($\_POST['delete\_product'])) {

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

$stmt = $conn->prepare("DELETE FROM products WHERE id = ?");

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

$stmt->execute();

$stmt->close();

header('Location: cms.php');

}

}

?>

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

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

<title>CMS Panel</title>

</head>

<body>

<h1>CMS Panel</h1>

<a href="index.php">Back to Home</a> | <a href="logout.php">Logout</a>

<h2>Add New Product</h2>

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

Product Name: <input type="text" name="name" required><br>

Description: <textarea name="description" required></textarea><br>

Price: <input type="text" name="price" required><br>

Image: <input type="file" name="image"><br>

<button type="submit" name="add\_product">Add Product</button>

</form>

<h2>All Products</h2>

<?php

$result = $conn->query("SELECT id, name, description, price, image FROM products");

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

<div>

<h3><?php echo $row['name']; ?></h3>

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

<p>Price: $<?php echo $row['price']; ?></p>

<?php if ($row['image']): ?>

<img src="images/<?php echo $row['image']; ?>" alt="<?php echo $row['name']; ?>" width="150">

<?php endif; ?>

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

<input type="hidden" name="id" value="<?php echo $row['id']; ?>">

Product Name: <input type="text" name="name" value="<?php echo $row['name']; ?>" required><br>

Description: <textarea name="description" required><?php echo $row['description']; ?></textarea><br>

Price: <input type="text" name="price" value="<?php echo $row['price']; ?>" required><br>

Image: <input type="file" name="image"><br>

<button type="submit" name="edit\_product">Edit Product</button>

<button type="submit" name="delete\_product">Delete Product</button>

</form>

</div>

<hr>

<?php endwhile; ?>

</body>

</html>

**Шаг 6: Личный кабинет пользователя (cart.php)**

<?php

session\_start();

if (!isset($\_SESSION['user\_id']) || $\_SESSION['user\_role'] != 'user') {

header('Location: index.php');

exit;

}

$conn = new mysqli('localhost', 'root', '', 'cms\_shop');

if ($\_SERVER['REQUEST\_METHOD'] == 'POST' && isset($\_POST['remove\_from\_cart'])) {

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

$stmt = $conn->prepare("DELETE FROM cart WHERE id = ?");

$stmt->bind\_param("i", $cart\_id);

$stmt->execute();

$stmt->close();

}

?>

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

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

<title>My Cart</title>

</head>

<body>

<h1>My Cart</h1>

<a href="index.php">Back to Home</a> | <a href="logout.php">Logout</a>

<h2>Products in Cart</h2>

<?php

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

$result = $conn->query("SELECT cart.id as cart\_id, products.name, products.description, products.price, products.image

FROM cart

JOIN products ON cart.product\_id = products.id

WHERE cart.user\_id = $user\_id");

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

<div>

<h3><?php echo $row['name']; ?></h3>

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

<p>Price: $<?php echo $row['price']; ?></p>

<?php if ($row['image']): ?>

<img src="images/<?php echo $row['image']; ?>" alt="<?php echo $row['name']; ?>" width="150">

<?php endif; ?>

<form method="post">

<input type="hidden" name="cart\_id" value="<?php echo $row['cart\_id']; ?>">

<button type="submit" name="remove\_from\_cart">Remove from Cart</button>

</form>

</div>

<hr>

<?php endwhile; ?>

</body>

</html>

**Шаг 7: Выход (logout.php)**

<?php

session\_start();

session\_destroy();

header('Location: index.php');

?>

Теперь у вас есть полноценная система с двумя ролями пользователей: администратором, который может управлять товарами, и обычным пользователем, который может добавлять товары в корзину и просматривать их в личном кабинете. Не забудьте создать папку images в корневом каталоге для хранения загруженных изображений.