

# E-commers website

Capstone Design  
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Under Supervision

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# Introduction

## 1. Idea background:

- With the rapid growth of e-commerce, it became important to develop a platform that offers a smooth and professional shopping experience. At first, we relied on social media to sell our products, but as order volumes increased, we started facing some challenges, such as delays in responding to customers. That's why we decided to create "WebVendors" as a practical solution to simplify the selling process and increase Sales.

## 2. Project aims and objectives:

- Provide a user-friendly platform for customers.
- Display products in an attractive and clear way to customers.
- Enable customers to place orders directly without needing to send messages via social media.
- Add links to all our social media platforms to facilitate communication.

### 3. Outcomes and deliverables:

- A functional e-commerce website.
- Full documentation and codebase.
- Enhanced customer experience.

## Problem and proposed solution

### 1. Describe the problem and effects:

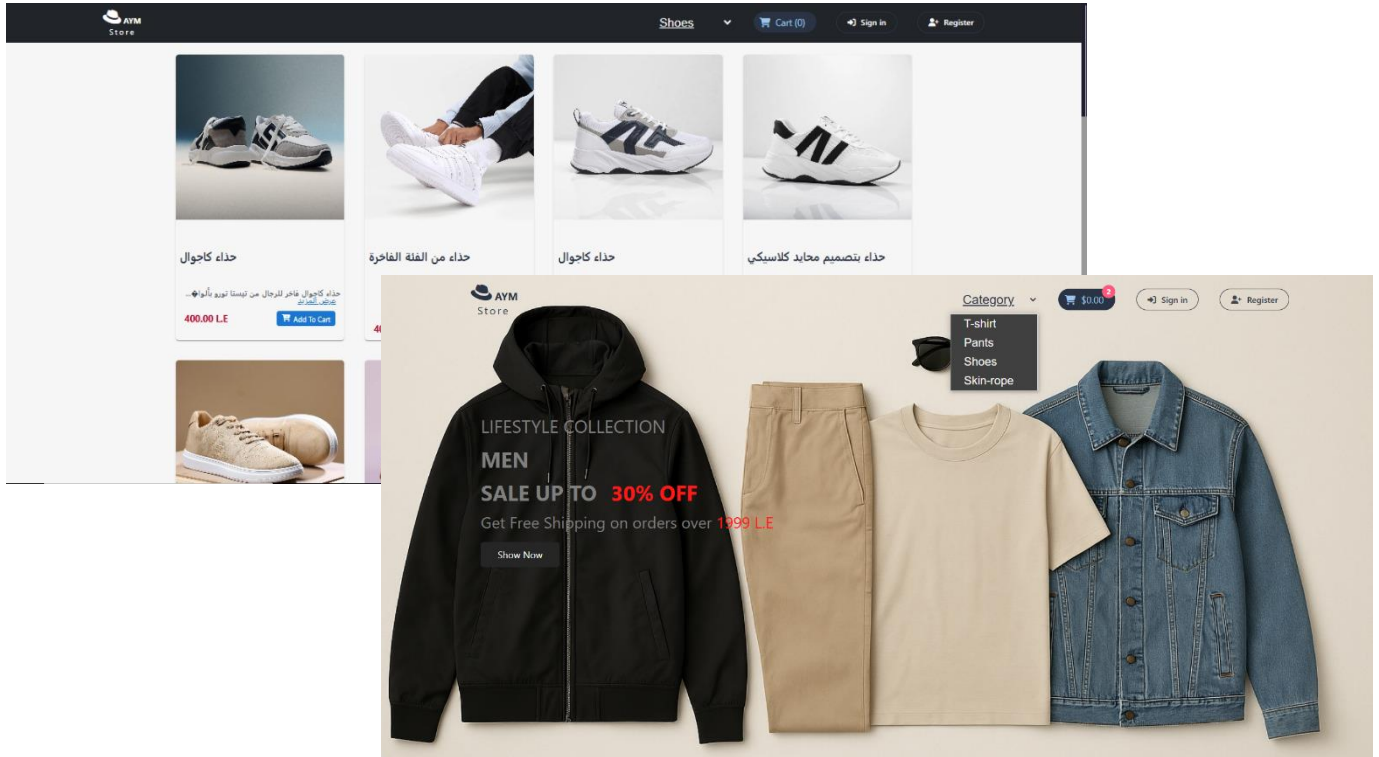
- Difficulty in manually managing orders leading to errors and delays.
- Poor customer experience due to lack of structured product display.
- Pressure on customer service due to reliance on direct messages.



- Loss of customer data and missed messages because of the large volume of direct messages.

## 2. Proposed solution and steps to apply it:

- Enhance user experience by categorizing products.



- Reduce customer service pressure by providing clearer order information.



- Add a purchase form including the customer's name, phone number, and address.

**Manage Orders**

Order ID	Customer Name	Phone	City	Address	Product ID	Product Name	Quantity	Price	Total	Status	Created At
13	ahmed Ahmed Medo	620	السويس	شارع العوري	5	Balenciaga كوتشي	1	899.00	1819.00 LE	pending	2025-06-18 20:49:23
13	ahmed Ahmed Medo	620	السويس	شارع العوري	3	-	2	460.00	1819.00 LE	pending	2025-06-18 20:49:23
12	ff ss	55	ا	r	8	حذاء موديل M16	2	590.00	1180.00 LE	pending	2025-06-06 00:37:16
11	moo ddd	44444	vvccccddd	vvvvv	7	هودي Smile W	1	470.00	1369.00 LE	pending	2025-05-31 20:02:35
11	moo ddd	44444	vvccccddd	vvvvv	5	Balenciaga كوتشي	1	899.00	1369.00 LE	pending	2025-05-31 20:02:35
10	g u	7	ا	kk	7	هودي Smile W	1	470.00	470.00 LE	pending	2025-05-31 15:14:39
8	ق ت	4	ل	بي	6	حزام جلد	1	260.00	260.00 LE	pending	2025-05-30 17:52:27
4	ahmed يب	3	لل	فف	-	-	-	-	1180.00 LE	pending	2025-05-27 20:12:59
3	ahmed Ahmed Medo	55	السويس	شارع العوري	-	-	-	-	590.00 LE	pending	2025-05-27 20:12:20
2	mo bo	11	su	add	-	-	-	-	1180.00 LE	pending	2025-05-27 04:58:52
1	ahmed mohamed	1122	السويس	شارع العوري	-	-	-	-	590.00 LE	pending	2025-05-26 17:45:22

### 3. Effects of applying the solution:

- Increased customer satisfaction.
- Reduced manual workload.
- Faster order processing and tracking.

## System proposal:

### 1. Summary

The WebVendors project aims to develop an e-commerce platform that streamlines sales operations, making it easier for customers to browse and order products while improving order

and inventory management efficiency. This solution was inspired by challenges faced when selling through social media, leading us to seek a more structured and professional approach.

## **2. Introduction**

With the rapid expansion of e-commerce, it has become essential to develop a platform that provides a seamless and professional shopping experience. Initially, we sold products through social media, but as order volumes increased, issues arose, such as difficulties in tracking inventory and delayed customer responses. Thus, the decision to create WebVendors emerged as the ideal solution to enhance business operations.

## **3. Problem Statement**

Before launching the e-commerce store we encountered several issues including:

- Difficulty in manually managing orders leading to errors and delays.

- Inability to accurately track inventory, resulting in products running out without prior notice.
- Poor customer experience due to the lack of a structured product display and categorization system.
- High pressure on customer service due to reliance solely on direct messages.
- No clear mechanism for tracking and confirming orders.

## **4. Proposed Solution**

WebVendors is designed to address these problems by:

- Automating order organization to reduce management errors.
- Providing an accurate inventory tracking system.

- Enhancing user experience with clear categories and an advanced search system.
- Reducing customer service pressure by offering clear order information.

## **5. Objectives**

- Providing a user-friendly platform for customers.
- Improving inventory management and order tracking.
- Reducing errors caused by manual operations.
- Increasing order processing speed and customer satisfaction.

## **6. What is New in Your Work?**

- Transforming the purchasing process from an unstructured social media-based system to a fully integrated e-commerce store.

- Offering a seamless and easy-to-navigate user experience compared to traditional messaging-based methods.
- Enabling professional order and inventory management.

## **7. Benefits of the Project in Government**

- Encouraging digital transformation in the e-commerce sector.
- Reducing reliance on traditional manual systems and improving business efficiency.

## **8. Methods and Tools Used**

- Code Editor: Visual Studio Code.
- Programming Languages: HTML, CSS, JavaScript, and PHP.
- Frontend Framework: Bootstrap.
- Database: MySQL.

## **9. Evaluation**

The project's success will be evaluated based on:

- The number of orders managed through the store.
- The reduction of errors caused by manual operations.
- Customer satisfaction with the new shopping experience.
- Faster order fulfillment compared to the previous method.

## **10. Budget and Total Needs**

Potential Costs:

- Website hosting and domain.

## **11. Future Work**

- Enhancing the user interface for a smoother experience.

- Developing an advanced search system for faster and more accurate product discovery.
- Payment methods will be added
- Adding interactive features such as customer reviews and product ratings.

## **12. Conclusion**

The WebVendors project aims to improve the selling experience by providing a user-friendly e-commerce store that efficiently manages orders and inventory. This shift from traditional social media sales to a fully integrated online store will enhance customer experience and increase business efficiency.

## **Business model:**

### **1. Target Market:**

Young people aged 15 to 30 who are interested in fashion and prefer shopping online.

## **2. Products:**

A wide variety of clothing items sourced through drop shipping platforms.

## **3. Business Approach:**

We select trending and high demand clothing products from drop shipping websites these products are listed on our own platform instead of relying solely on social media when a customer places an order we process it directly with the supplier and earn a commission on each sale this model minimizes risk and avoids the need to manage physical inventory

## **4. Value Offered:**

- Trendy and affordable clothing.
- A smoother and more professional shopping experience through a dedicated website.
- Wider reach and better trust than social media only sales.

- No hassle for the customer we handle everything from listing to delivery.

## **5. Revenue Model:**

- Commission-based profit on each product sold.
- Possibility of introducing premium shipping or additional services in the future.

## **6. Marketing Strategy:**

- Social media marketing (Instagram, TikTok, Facebook).
  - Targeted ads to reach the youth demographic.

## **7. Key Operations:**

- Product research and selection.
- Managing the website and updating product listings.
  - Handling orders and customer inquiries.

- Coordinating with drop shipping suppliers.

## **8. Key Resources:**

- The website (WebVendors).
- Strong team collaboration.
- Access to reliable drop shipping platforms.
- Marketing tools and strategies.

## **9. Future Vision:**

To be a trusted shopping destination for young people.

# **Methodology / System Design**

## **1. Requirements Analysis:**

- Visitor login
- Shopping cart and checkout
- Admin control panel

## **2. Technologies Used in implementation:**

- HTML
- CSS
- JavaScript
- PHP
- MySQL

## **3. (Software, Frameworks):**

- Visual Studio Code
- MySQL
- Hosting server (Infinity Free)

## **4. Development:**

Frontend and backend development done using HTML, CSS, and JavaScript. Code reviews and testing included.

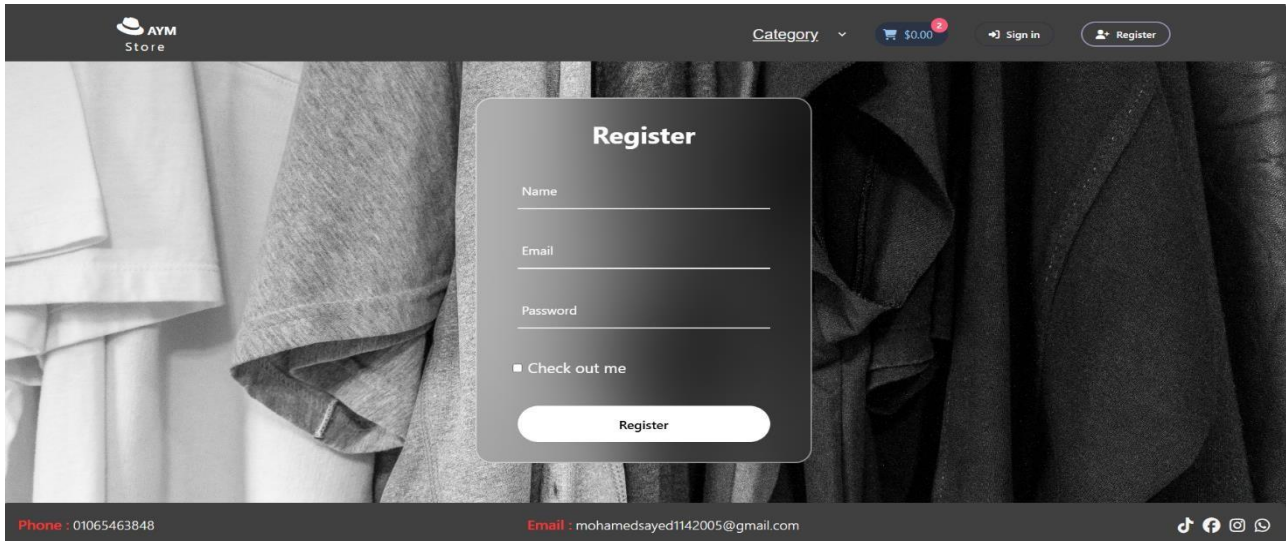
## **5. Deployment:**

<http://webVendors.ct.ws>

# Results

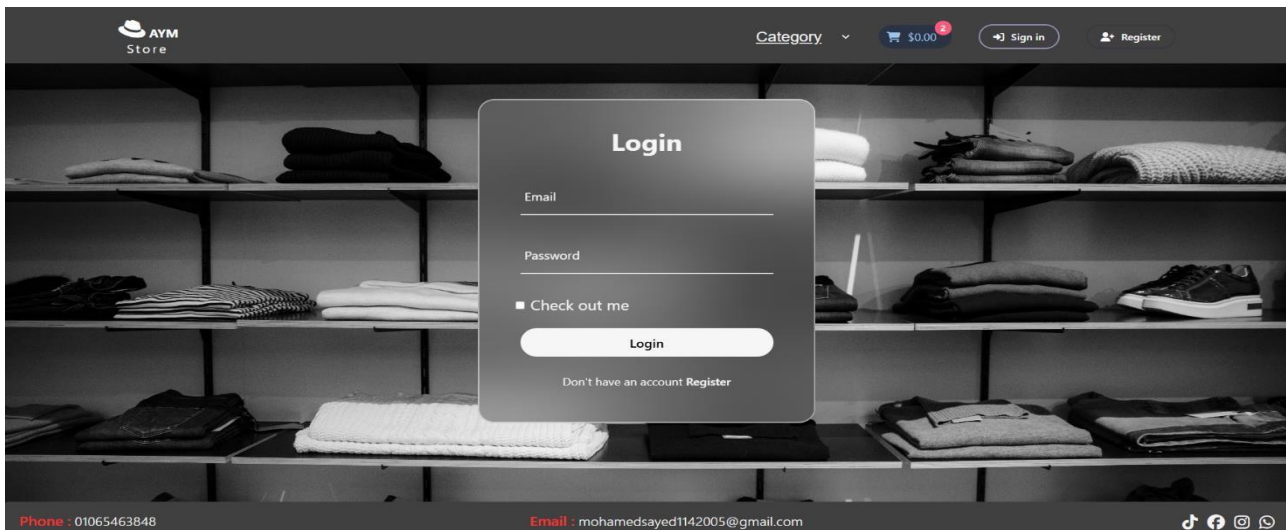
## 1. Final output

Register Page:



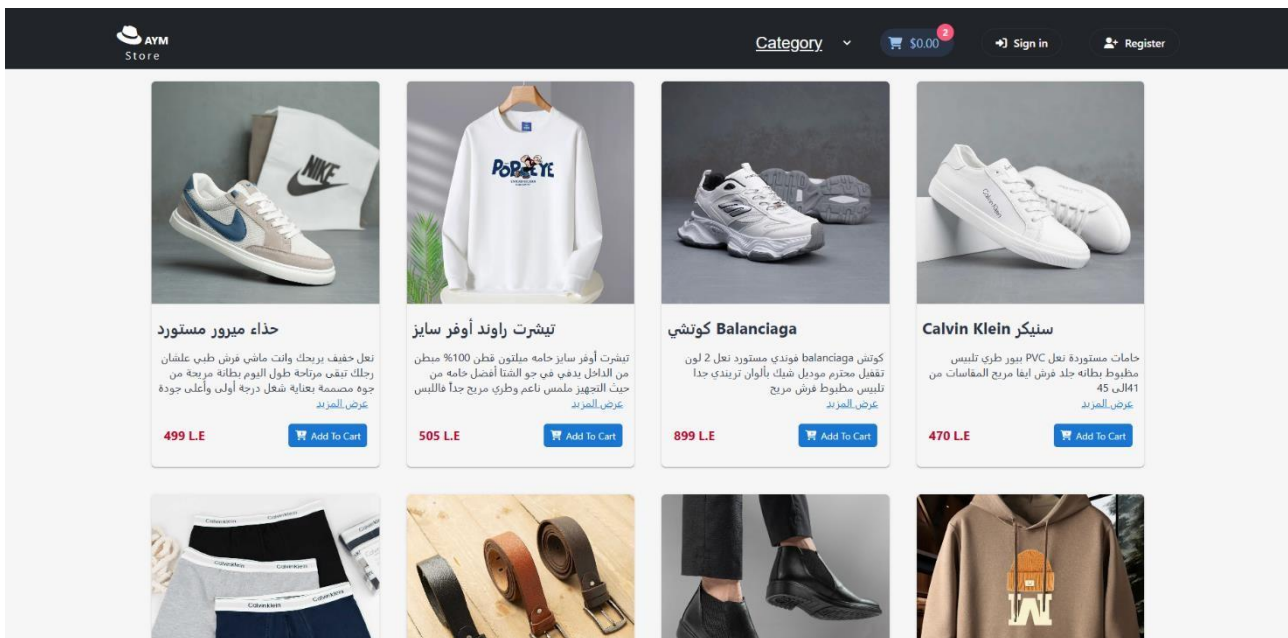
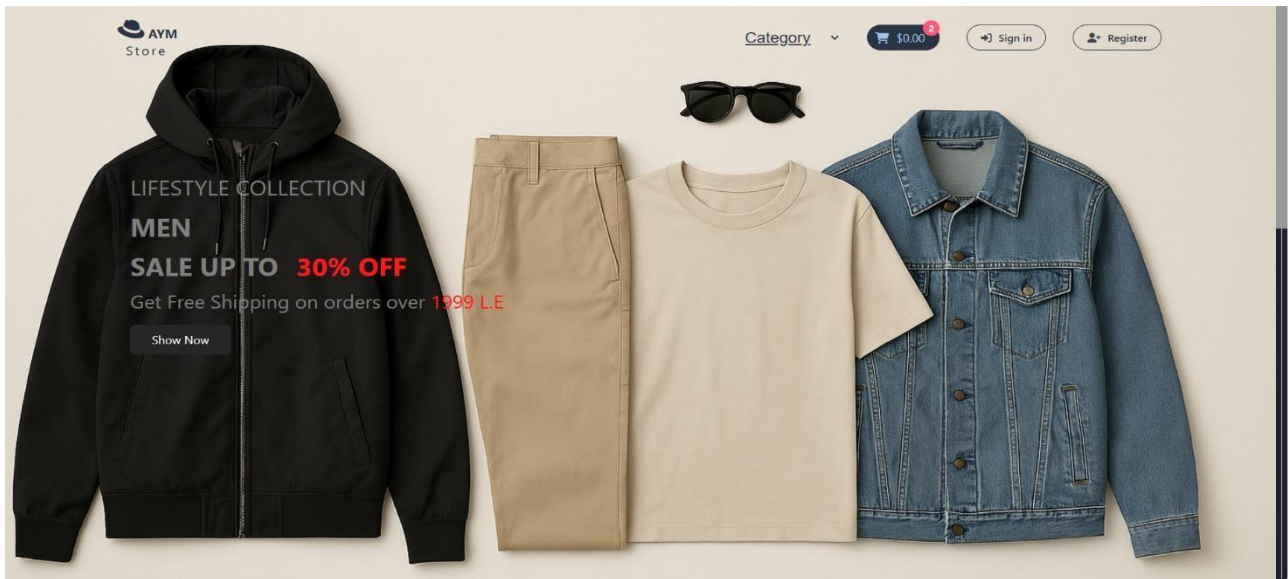
This page enables new users to create an account on the website. It includes fields for name, email, password, and other required user information

Login Page:



This page allows registered users to log in to their accounts securely. It includes input fields for email and password, along with a link for password recover.

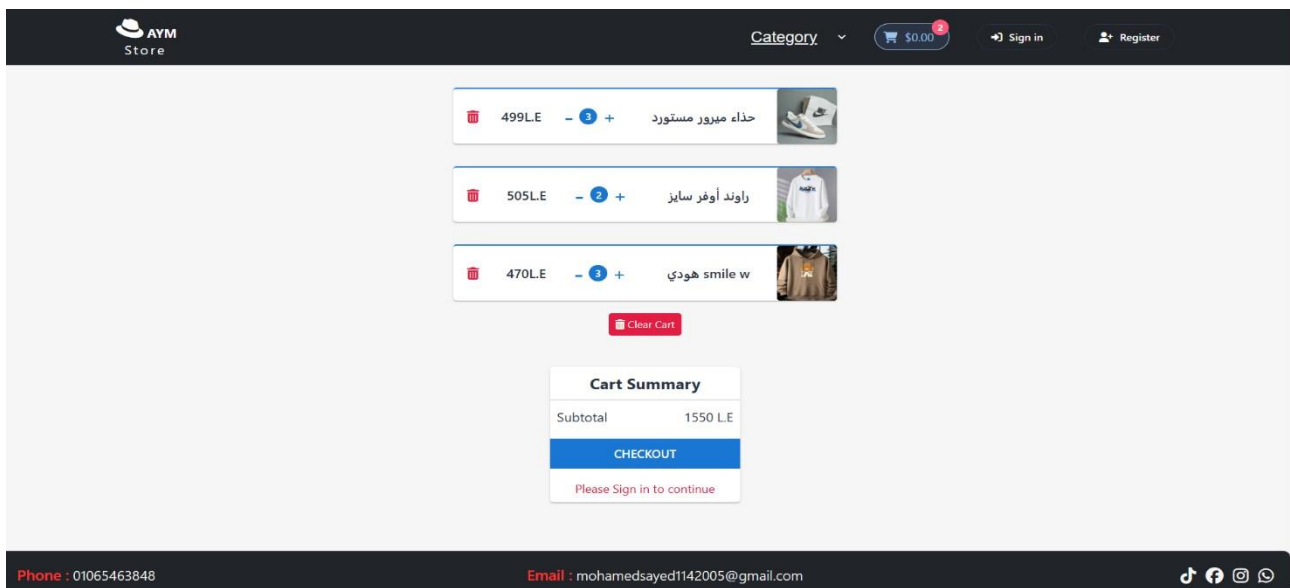
## Home Page:



This is the main landing page of the website.

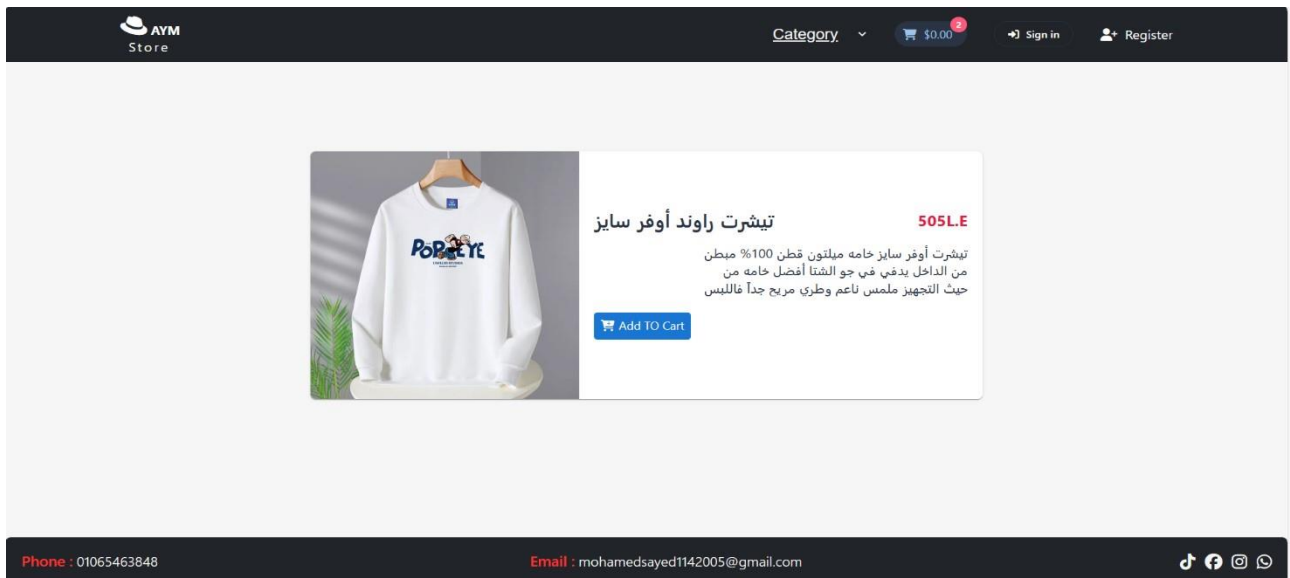
It showcases featured products, current offers, and provides quick navigation to all

## Cart Page:



This page displays all the products that the user has added to their shopping cart. Users can update quantities, remove items, and proceed to checkout from here.

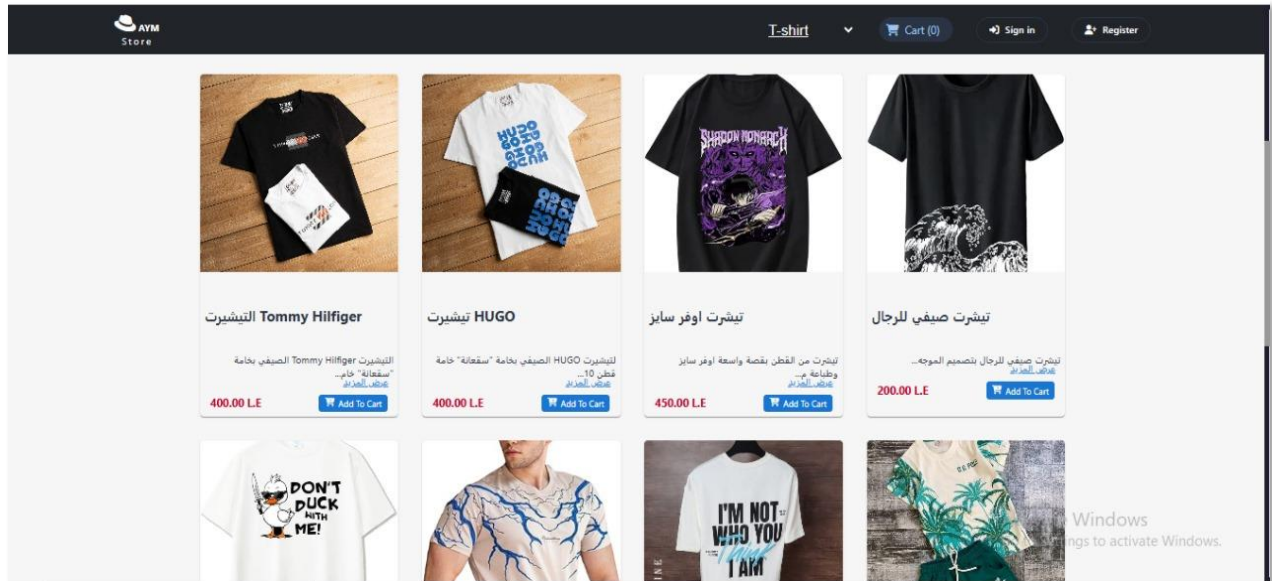
## Product Details Page:



This page shows detailed information about a selected product, including images, price, and description.

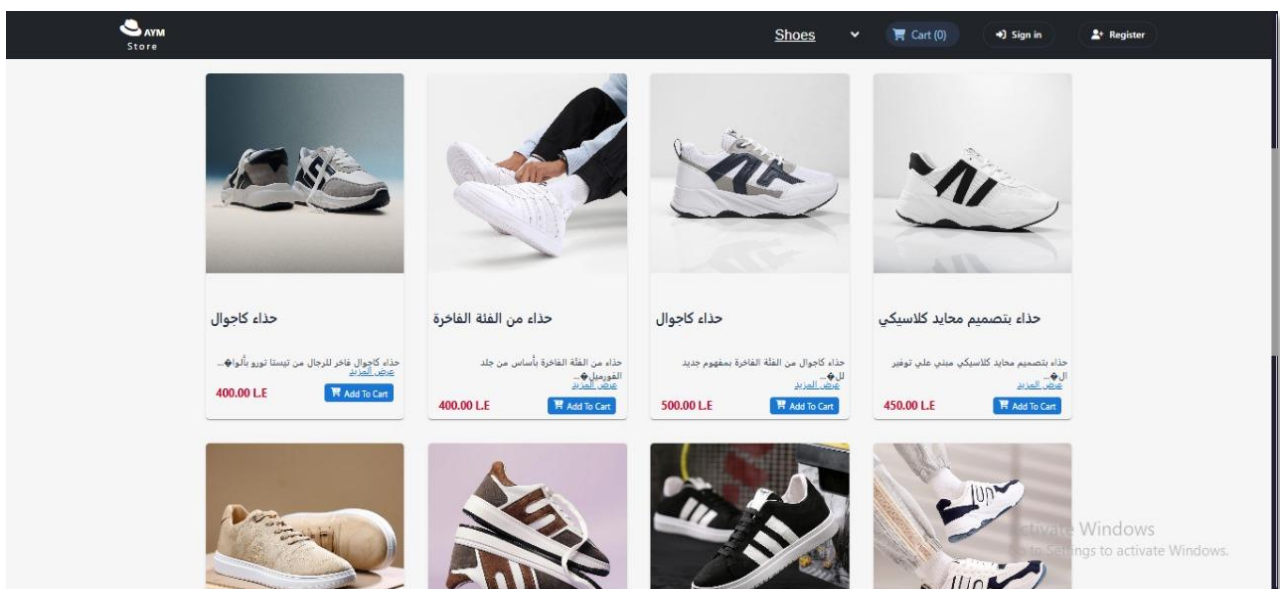
Users can choose the quantity and add the product to their cart from this page.

## T-Shirts Category Page:



This page displays all t-shirt products available in the selected category. Users can browse through the items, view prices, and click on a product for more details.

## Sneakers Category Page:



This page lists all sneaker products available under the sneakers category. Users can explore various styles, view prices, and access individual product details.

## 2. Code snippets:

Registration code:

```
1      <?php
2      require 'db.php';
3      session_start();
4
5      if ($_SERVER['REQUEST_METHOD'] == 'POST') {
6          $name = $_POST['name'];
7          $email = $_POST['email'];
8          $password = password_hash($_POST['password'],
9          PASSWORD_DEFAULT);
10
11         $stmt = $conn->prepare(
12         "SELECT * FROM users WHERE email = ?");
13         $stmt->execute([$email]);
14         $user = $stmt->fetch();
15
16         if ($user) {
17             echo "⚠️ البريد الإلكتروني موجود بالفعل!";
18         } else {
19             $stmt = $conn->prepare("INSERT INTO users
20 (name, email, password) VALUES (?, ?, ?)");
21             $stmt->execute([$name, $email, $password]);
22             echo "✅ تم التسجيل بنجاح!";
23         }
24     }
25     ?>
26
27     <!DOCTYPE html>
28     <html lang="en">
29     <head>
30     <meta charset="UTF-8" />
31     <meta name="viewport" content="width=device-width,
32     initial-scale=1.0">
33     <title>Register</title>
```

```

34
35 <link rel="stylesheet" href="https://cdnjs.cloudflare.com/
36 ajax/libs/font-awesome/6.7.2/css/all.min.css"
37 integrity="sha512-Evv84Mr4kqVGRNSgIGL/F/
38 aIDqQb7xQ2vcrdIwxfjThSH8CSR7PBEakCr51Ck+w+
39 /U6swU2Im1vVX0SVk9ABhg=="
40 crossorigin="anonymous" referrerpolicy="no-referrer" />
41
42 <link rel="stylesheet" href="css/pages/header.css">
43 <link rel="stylesheet" href="css/pages/global.css">
44 <link rel="stylesheet" href="css/pages/register.css">
45 <link rel="shortcut icon" href="images/redhat-brands.svg"
46 type="image/x-icon">
47 </head>
48
49 <body>
50 <header class="flex">
51 <a href="index.php" class="logo">
52 <i class="fa-brands fa-redhat"></i>
53 <span style="font-weight: bold;">AYM</span>
54 <p id="store">Store</p>
55 </a>
56
57 <div class="links">
58 <form action="#" class="form">
59 <select name="category" onchange="location.href=this.value;">
60 <option value="" disabled selected hidden>Category</option>
61 <option value="category.php?category=Pants"> Pants </option>
62 <option value="category.php?category=Shoes"> Shoes </option>
63 <option value="category.php?category=Skin-rope"> Skin-rope
64 </option>
65 </select>
66 </form>
67
68 <a class="cart" href="cart.php">
69 <i class="fa-solid fa-cart-shopping"></i> Cart
70 </a>
71
72 <a class="sign-in" href="login.php">
73 <i class="fa-solid fa-right-to-bracket"></i> Sign in
74 </a>
75

```

```

76     <a style="border: 2px solid rgb(152, 154, 189);"
77     class="register" href="register.php">
78         <i class="fa-solid fa-user-plus"></i> Register
79     </a>
80 </div>
81 </header>
82
83 <section>
84     <div class="login-box" height="50px">
85         <form action="register.php" method="POST">
86             <h2>Register</h2>
87
88             <div class="input-box">
89                 <input type="text" name="name" required>
90                 <label>Name</label>
91             </div>
92
93             <div class="input-box">
94                 <input type="email" name="email" required>
95                 <label>Email</label>
96             </div>
97
98             <div class="input-box">
99                 <input type="password" name="password" required>
100                <label>Password</label>
101            </div>
102
103            <div class="remember-me">
104                <label><input type="checkbox"> Check out me</label>
105            </div>
106
107            <button type="submit">Register</button>
108        </form>
109    </div>
110 </section>
111 </body>
112 </html>
113
114
115
116

```

# Conclusion & Future Work

## 1. Summary of achievements:

- Successfully built an e-commerce store with efficient order management.
- Shifted from social media-based sales to a structured web-based platform.

## 2. Recommendations for improvement:

- Enhance UI design
- Add search filters and reviews
- Improve performance and scalability
  - Add payment methods

