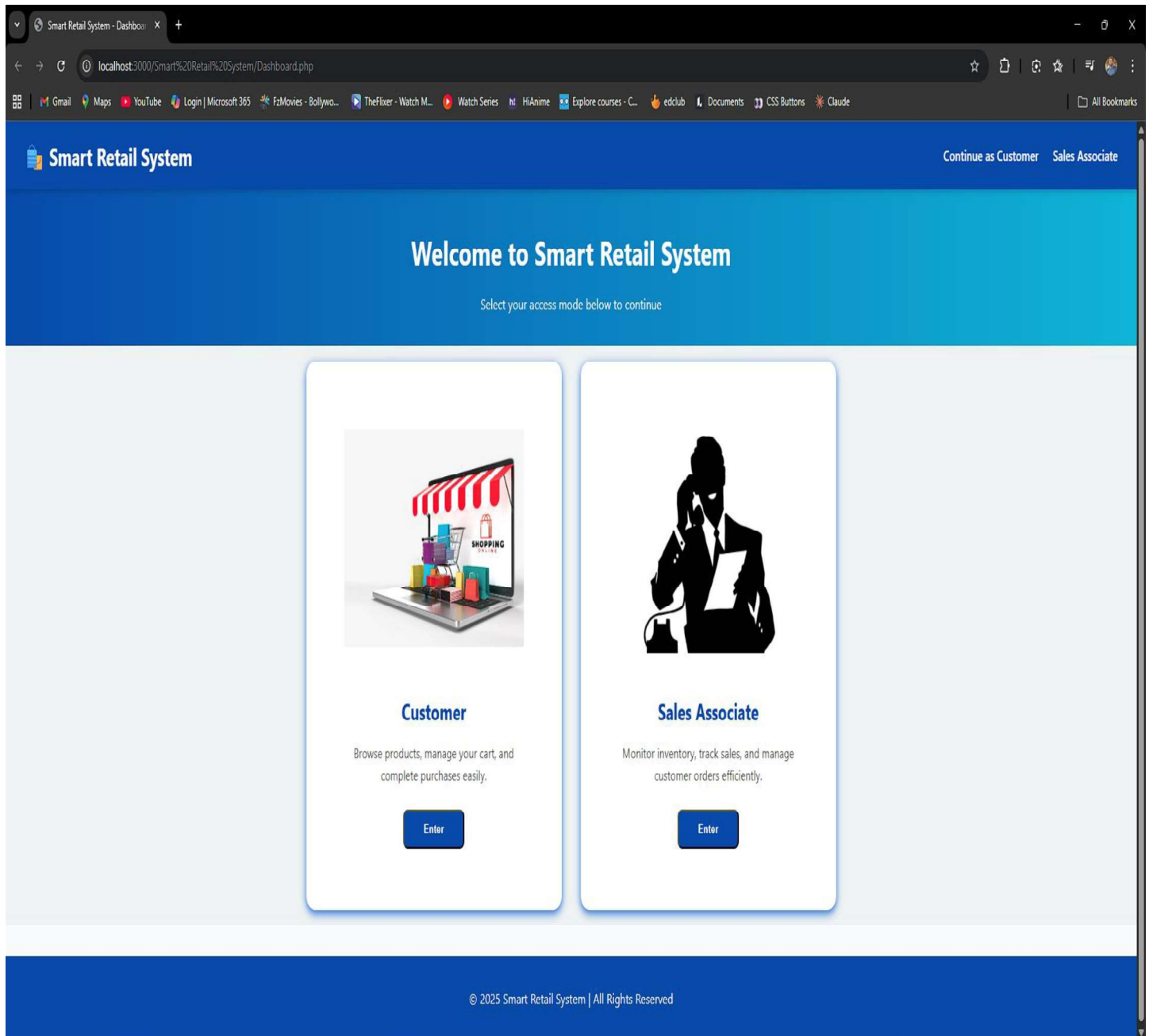


## Question 6: Documentation

### 1. Customer Access (Dashboard Entry Screen)

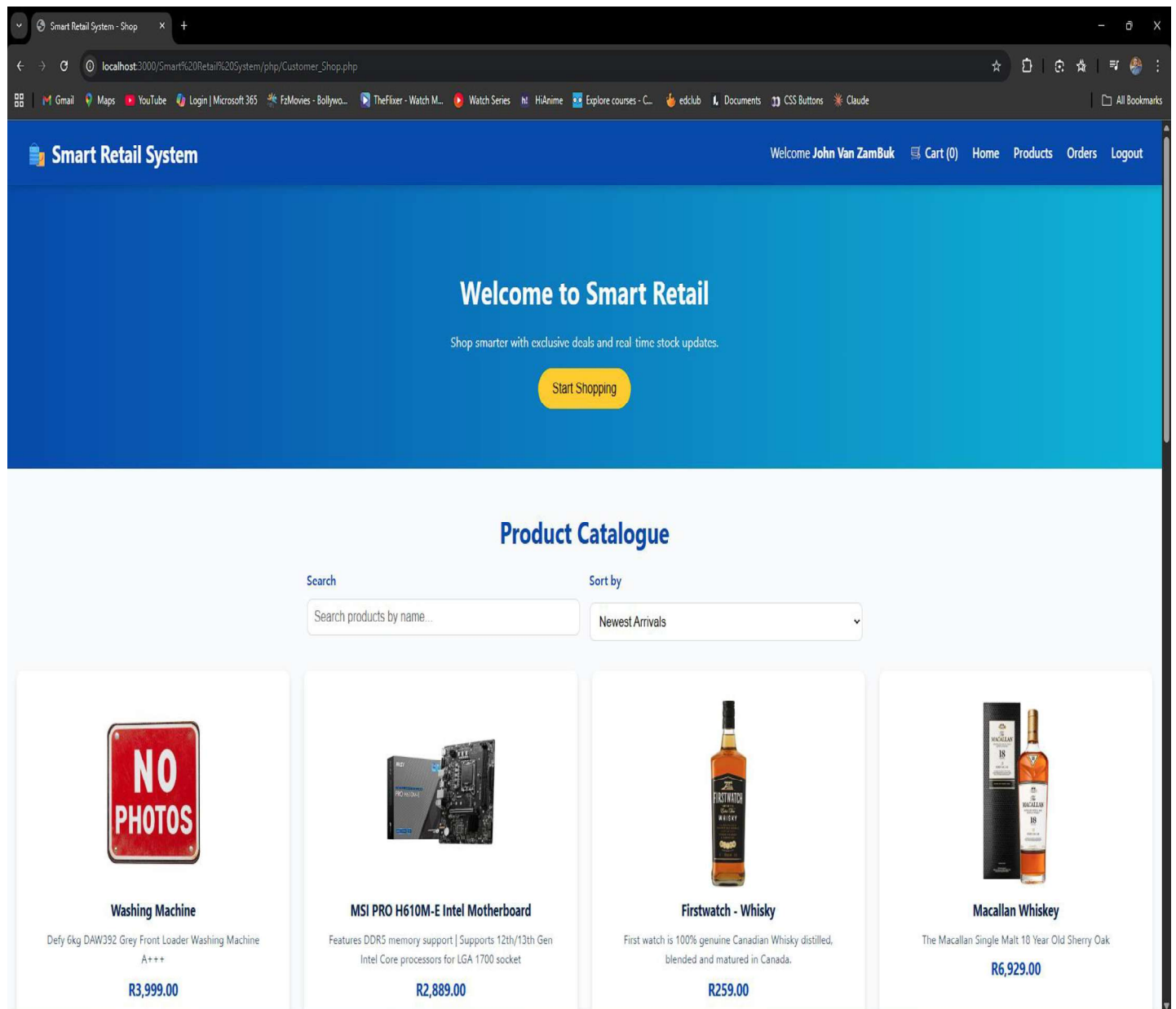
When the system is launched, the first screen the user encounters is the Dashboard. From this page, the customer must select the “Customer” option in order to access the shopping area of the system. Once this option is selected, the user is immediately redirected to the Customer Shop page. This ensures that only users who intentionally choose to proceed as customers can begin browsing and interacting with the system’s product catalog.



## 2. Customer Home Page (Customer\_Shop.php)

The Customer Home Page serves as the central hub for all shopping activities. At the top of the page, the navigation bar provides easy access to the Home section, the Product Catalogue, the Shopping Cart, and the Login or Logout options depending on whether the user is logged in. The page also displays a personalized greeting showing the customer's name if they are logged in, otherwise identifying the visitor as a guest.

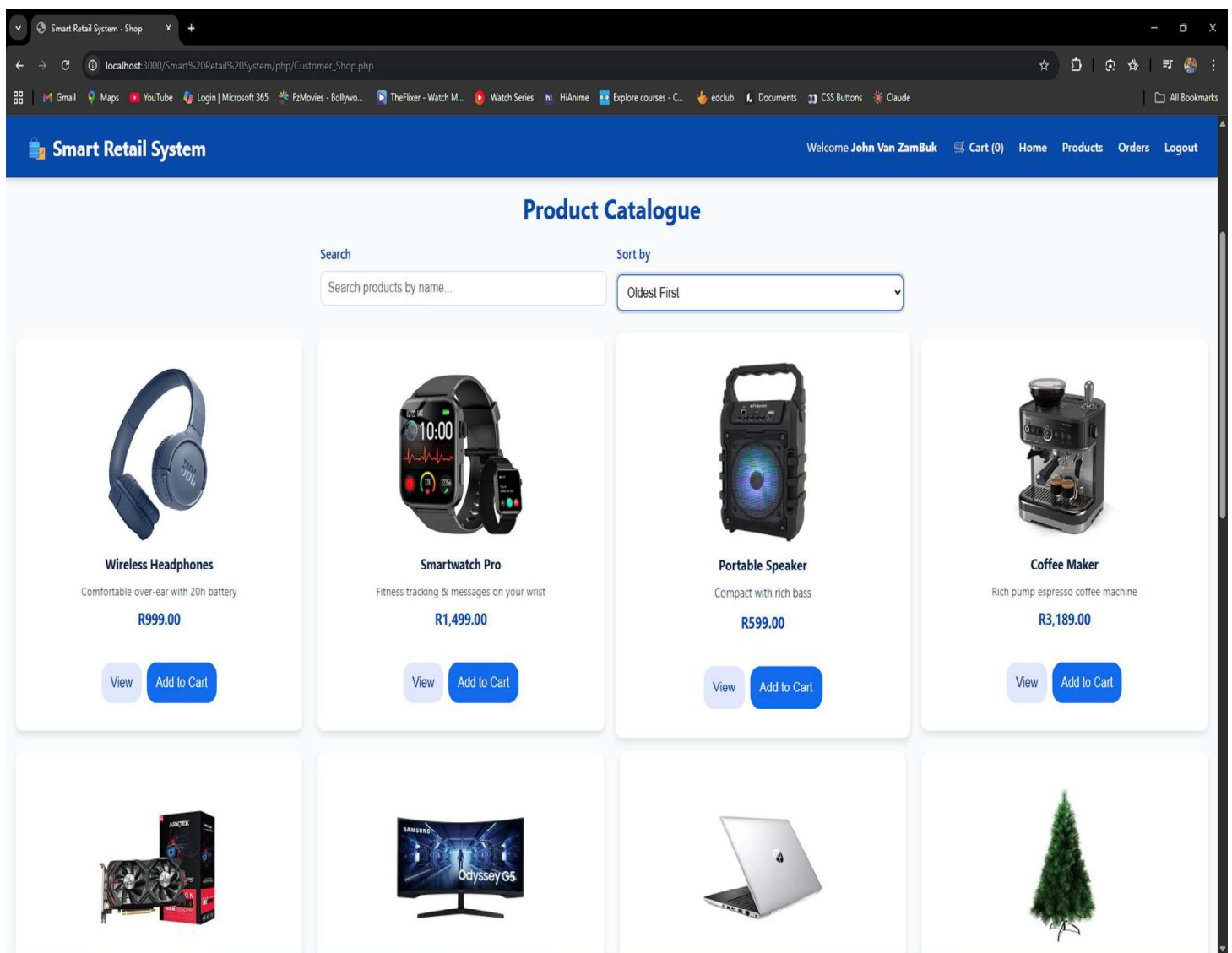
The home section includes a brief introduction and a button that allows the customer to immediately jump to the product catalogue. The Customer Home Page is designed to guide the user intuitively into browsing products and making purchases.



### 3. Product Catalogue

The Product Catalogue displays all the products available in the system, retrieved directly from the database. Each product is shown with its image, name, price, description, and current stock quantity. Customers are able to quickly browse through all products and interact with each item. A search bar is available at the top of the catalogue, allowing the customer to filter products by name. As the user types, the displayed items update instantly to match the entered term. This makes it easy to locate specific products.

In addition to search, customers can also sort products using the dropdown menu. Sorting options include newest arrivals, oldest items, price from low to high, and price from high to low. These sorting actions also update the grid immediately without reloading the page, creating a smooth and user-friendly browsing experience.

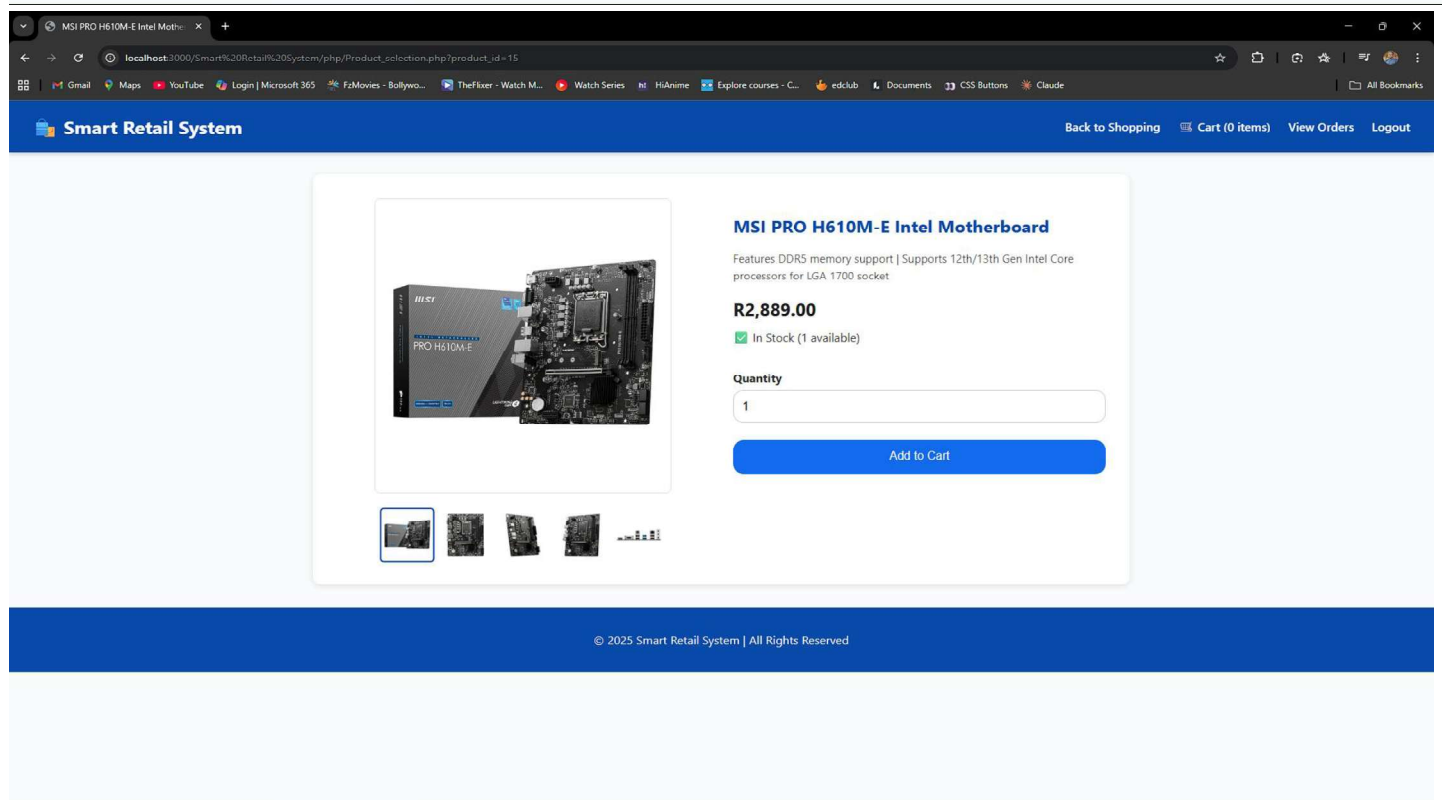
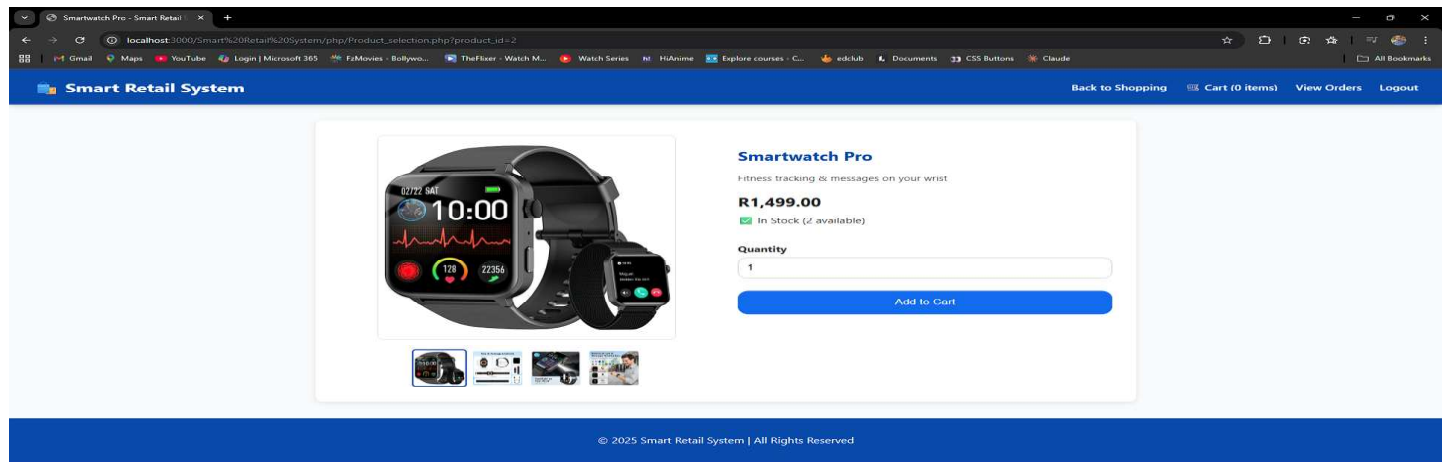




## 4. Product Details (Product\_selection.php)

When a customer clicks on the View button for any product, the system loads a detailed product page. This page includes multiple images of the product, displayed with thumbnail previews below the main image. Clicking any thumbnail updates the main image, allowing the customer to view the item from different angles.

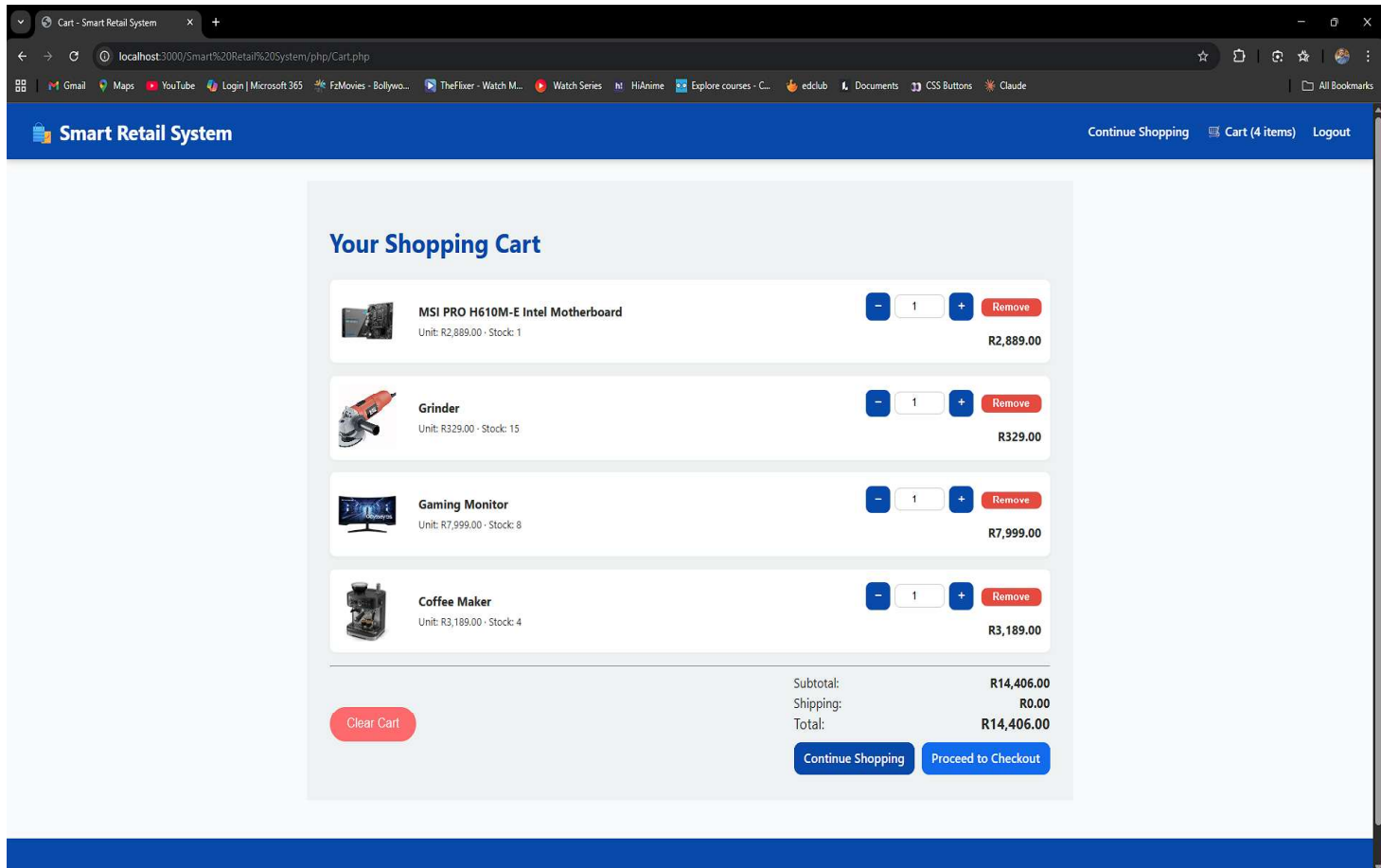
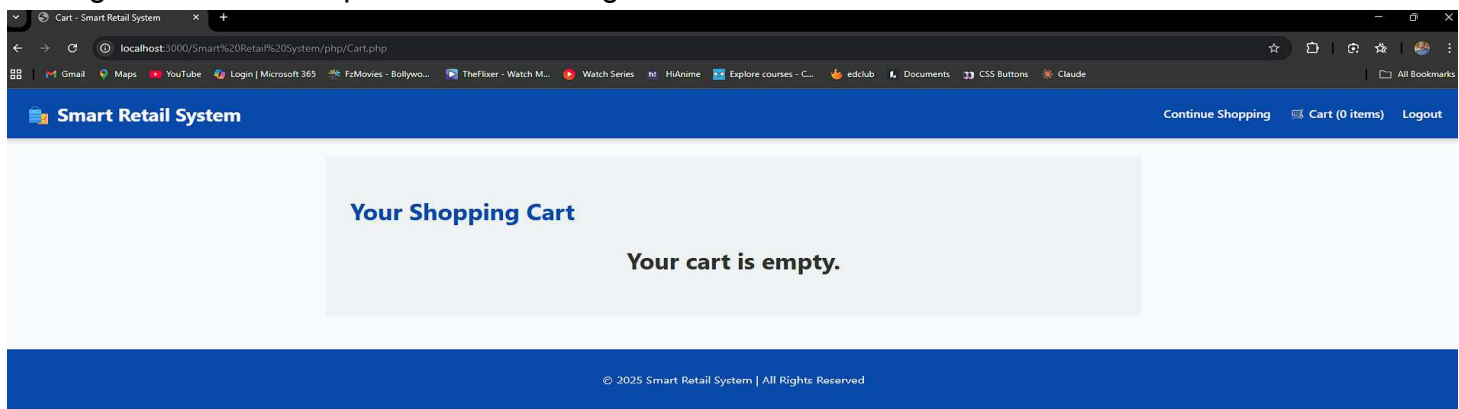
The product details page further includes the full product name, price, availability, and complete description. Customers can select the quantity they wish to purchase using a number input field. If the selected item is out of stock, the Add to Cart button is disabled to prevent purchasing unavailable items. Otherwise, customers may add the product to their shopping cart with a single click.



## 5. Shopping Cart (Cart.php)

The Shopping Cart page gives customers full control over the items they intend to purchase. Each item in the cart shows its image, name, unit price, stock availability, and the customer's chosen quantity. Customers can increase or decrease quantities using plus and minus buttons, or type a specific quantity manually. The cart automatically recalculates totals, updates the shipping cost, and refreshes the overall grand total without requiring a page reload.

Customers may also remove individual items or clear the entire cart if they wish to start over. A "Continue Shopping" button returns the user to the shop, and logged-in customers may proceed to checkout. For guests, the system requires a login before checkout is allowed. All cart changes update instantly and remain synchronized with the database for logged-in users, while guest carts are kept in session storage.

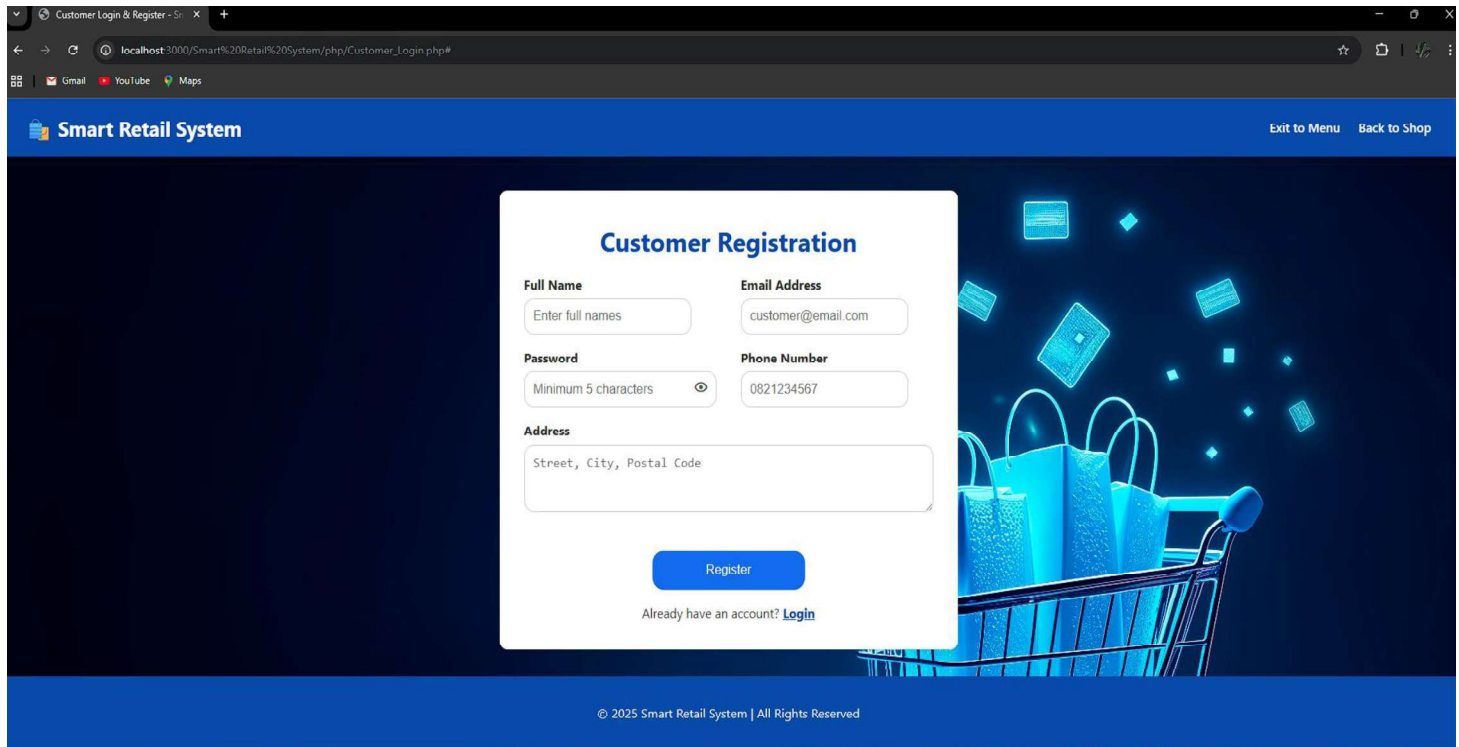




## 6. Customer Login and Registration

The system provides a dedicated page for customers to log in or create a new account. The login process requires the customer's email and password, and includes a show/hide password toggle to improve usability. Once authenticated, the customer is directed back to the Customer Shop page, and any saved cart items from the user's account are automatically loaded from the database.

New users can register by providing their full name, email address, password, phone number, and home address. The registration form includes input validation to ensure that the email format is correct, the phone number is exactly ten digits, and all required fields meet the minimum character requirements. Once registered successfully, the user is prompted to log in.



The screenshot shows the 'Customer Registration' form within the 'Smart Retail System' interface. The form is centered on a dark blue background with a shopping cart illustration. It includes fields for Full Name, Email Address, Password, Phone Number, and Address. A 'Register' button is at the bottom, with a link to 'Login' for existing users. The footer shows '© 2025 Smart Retail System | All Rights Reserved'.

Customer Login & Register - Smart Retail System

localhost:3000/Smart%20Retail%20System/php/Customer\_Login.php

Smart Retail System

Exit to Menu Back to Shop

### Customer Registration

**Full Name**  
Enter full names

**Email Address**  
customer@email.com

**Password**  
Minimum 5 characters

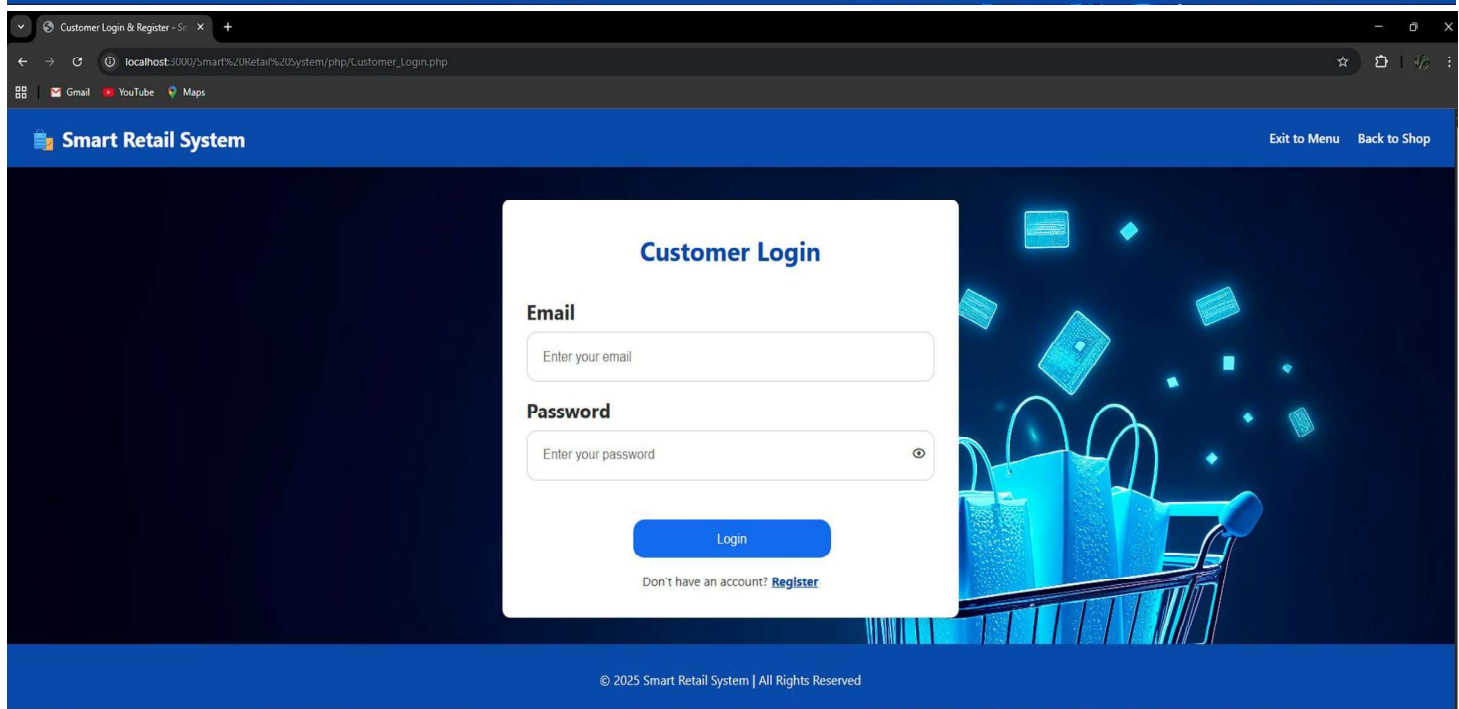
**Phone Number**  
0821234567

**Address**  
Street, City, Postal Code

Register

Already have an account? [Login](#)

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The screenshot shows the 'Customer Login' form within the 'Smart Retail System' interface. The form is centered on a dark blue background with a shopping cart illustration. It includes fields for Email and Password. A 'Login' button is at the bottom, with a link to 'Register' for new users. The footer shows '© 2025 Smart Retail System | All Rights Reserved'.

Customer Login & Register - Smart Retail System

localhost:3000/Smart%20Retail%20System/php/Customer\_Login.php

Smart Retail System

Exit to Menu Back to Shop

### Customer Login

**Email**  
Enter your email

**Password**  
Enter your password

Login

Don't have an account? [Register](#)

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## 7. Checkout Process

When the customer is satisfied with their shopping cart and is logged in, they may proceed to checkout. The system displays a summary of all items, including quantity, subtotal, shipping fees, and the final amount due. The customer can then confirm the purchase, after which the order is stored in the database, linked to the customer's account. This process ensures proper order tracking and enables the system to reflect stock changes immediately.

**Smart Retail System** [Back to Cart](#) [Continue Shopping](#) [Logout](#)

### Shipping & Payment Information

**Delivery Option**  
Delivery / Pick-up?

**Full Name**  
Enter full name

**Email Address**  
Enter email address

**Phone Number**  
Enter phone number

**Address**  
Street, City, Postal Code

**Payment Method**  
Select Payment Method

☐ I have read and agree to the Terms and Conditions.

### Review Your Cart

|                             |   |
|-----------------------------|---|
|                             | <b>MSI PRO H610M-E Intel Motherboard</b><br>1 x R2,889.00 |
|                             | <b>Grinder</b><br>1 x R329.00                             |
|                             | <b>Gaming Monitor</b><br>1 x R7,999.00                    |
|                             | <b>Coffee Maker</b><br>1 x R3,189.00                      |
| <b>Subtotal:</b> R14,406.00 |   |
| <b>Shipping:</b> R0.00      |   |
| <b>Total:</b> R14,406.00    |   |

[Pay Now](#)

Secure Checkout - SSL Encrypted  
Your financial and personal details are protected during every transaction.









## 8. Customer Order History (Orders.php)

After placing orders, logged-in customers can view their entire purchase history through the Orders page. This page lists all orders made by the customer along with their current status, which may be Pending, Processing, Shipped, Delivered, or Cancelled. Customers may also open each order to view detailed information such as product names, quantities, and totals. This provides a clear record of the customer's shopping activity within the system.




My Orders

Order #6 Date: 13 Nov 2025, 15:47 Status: **Delivered**

|   |                     |   |                |   |                  |   |                |   |           |   |                |
|---|---------------------|---|----------------|---|------------------|---|----------------|---|-----------|---|----------------|
|  | Wireless Headphones |  | Smartwatch Pro |  | Portable Speaker |  | Gaming Monitor |  | Laptop    |  | Christmas Tree |
| 1 x   | R999.00             | 5 x   | R1,499.00      | 1 x   | R599.00          | 1 x   | R7,999.00      | 2 x   | R6,499.00 | 1 x   | R740.00        |

Total: R30,830.00

Order #5 Date: 13 Nov 2025, 15:30 Status: **Shipped**




|   |                     |   |                |   |                |
|---|---------------------|---|----------------|---|----------------|
|  | Wireless Headphones |  | Smartwatch Pro |  | Christmas Tree |
| 2 x   | R999.00             | 3 x   | R1,499.00      | 1 x   | R740.00        |

Total: R7,235.00

Order #4 Date: 13 Nov 2025, 15:57 Status: **Delivered**


localhost3000/Smart Retail System/php/product\_selection.php?product\_id=8

Order #5 Date: 13 Nov 2025, 15:30 Status: **Shipped**

|   |                     |   |                |   |                |
|---|---------------------|---|----------------|---|----------------|
|  | Wireless Headphones |  | Smartwatch Pro |  | Christmas Tree |
| 2 x   | R999.00             | 3 x   | R1,499.00      | 1 x   | R740.00        |

Total: R7,235.00

Order #4 Date: 13 Nov 2025, 14:57 Status: **Delivered**

|   |                  |
|---|------------------|
|  | Portable Speaker |
| 1 x   | R599.00          |

Total: R674.00

## Sales Associate User Guide

### 1. Sales Associate Login Page (Sales\_associate\_Login.php)

Sales Associates begin by accessing the login and registration page designed specifically for staff users. This page provides two options: logging in with an existing account or creating a new one. To log in, the associate simply enters their email address and password. The system validates the credentials using the database and grants access only if the information matches a registered user. A show/hide password feature improves usability during login. If an associate does not yet have an account, they can switch to the registration panel, where they enter their full name, email address, and a secure password. All inputs undergo validation to ensure proper formatting and required length before the account is created. Upon successful login, the system redirects the associate to the Sales Management dashboard.

**Smart Retail System** [Back to Main Menu](#)

### Sales Associate Registration

**Full Name**

**Email Address**

**Password**

[Register](#)

[Already have an account? Login](#)

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**Smart Retail System** [Back to Main Menu](#)

### Sales Associate Login

**Email**

**Password**

[Login](#)

[Don't have an account? Register](#)

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## 2. Sales Management Dashboard

Once logged in, the Sales Associate is brought to the Sales Management Dashboard. This page serves as the central control panel for all staff operations. At the top of the screen, the navigation bar displays the associate's name along with links to the Inventory page, Order Management, Product Registration, and Logout options. The dashboard summarizes key store information, including total inventory, recent orders, and system actions available to the associate. This screen allows staff members to move seamlessly between different management features while maintaining a clear overview of store activity.

**Smart Retail System - Sales Dashboard**

Customer View Dashboard Inventory Orders Logout

Welcome Oscar Dyantyi

| Metric           | Value      |
|------------------|------------|
| Total Sales      | R44,738.00 |
| Number of Orders | 4          |
| Low Stock Items  | 6          |
| Stock Available  | 9          |
| Out of Stock     | 1          |

**Inventory Overview**

+ Add New Product

Search Product:

Filter by Stock Status:

| Product | Category | Stock Level | Status | Action |
|---------|----------|-------------|--------|--------|
|---------|----------|-------------|--------|--------|

### 3. Inventory Management

Inventory provides Sales Associates with full visibility and control over all products stored in the system. The product list is displayed in a structured table that includes product names, prices, stock quantity, and the date the product was added. Associates can search for specific products, filter results, and quickly identify items that are low in stock. Each product entry includes button to update or restock the product.

Sales Management - Smart Ret. X +

localhost:3000/Smart%20Retail%20System/php/Sales\_Management.php

Gmail YouTube Maps

Smart Retail System - Sales Dashboard

Customer View Dashboard Inventory Orders Logout

Inventory Overview





+ Add New Product

Search Product

Search by product name...

Filter by Stock Status

All

| Product   | Category       | Stock Level | Status          | Action                   |
|---|----------------|-------------|-----------------|--------------------------|
| <br>Air Fryer        | Uncategorized  | 26          | Stock Available | <button>Restock</button> |
| <br>Coffee Maker     | Appliances     | 4           | Low Stock       | <button>Restock</button> |
| <br>Portable Speaker | Audio          | 10          | Stock Available | <button>Restock</button> |
| <br>DVI-D Converter  | Cable Adapters | 2           | Low Stock       | <button>Restock</button> |

## 4. Product Registration

Product Registration allows Sales Associates to add new products into the system. The associate fills in information such as product name, category, price, description and initial stock quantity. This form includes validation rules to prevent incomplete or incorrect product details from being submitted. Once the associate confirms the registration, the product is inserted into the database and becomes immediately available in the Customer Shop for purchase. This ensures that new items can be added quickly whenever stock arrives or new products are introduced.

The screenshot displays the 'Smart Retail System - Sales Dashboard' in a web browser. The dashboard includes a navigation bar with links to 'Customer View', 'Dashboard', 'Inventory', 'Orders', and 'Logout'. The main section is titled 'Inventory Overview' and features a '+ Add New Product' button. A search bar labeled 'Search Product' is present, with a placeholder 'Search by product name...'. Below the search bar is a table listing products with columns for 'Product', 'Category', 'Status', and 'Action'. The table contains five rows: 'Air Fryer' (Uncategoriz), 'Coffee Maker' (Appliances), 'Portable Speaker' (Audio), 'DVI-D Converter' (Cable Adapters), and a partially visible row for 'Cable Adapters'. Each row has a 'Restock' button. A modal form titled 'Add New Product' is open in the center, containing input fields for 'Product Name', 'Description', 'Price (R)', 'Stock Quantity', and 'Category', along with 'Save Product' and 'Cancel' buttons.

| Product          | Category       | Status          | Action  |
|------------------|----------------|-----------------|---------|
| Air Fryer        | Uncategoriz    | Stock Available | Restock |
| Coffee Maker     | Appliances     | Low Stock       | Restock |
| Portable Speaker | Audio          | Stock Available | Restock |
| DVI-D Converter  | Cable Adapters | Low Stock       | Restock |
| Cable Adapters   |                |                 |         |




## 5. Order Management

Sales Associates have access to a dedicated Order Management table where they can review all customer orders. The system displays each order with its unique ID, customer details, total cost, purchase date, and current status. Orders can be filtered and sorted to view new, pending, shipped, or delivered orders. The associate can update the status of an order by marking it as Processing, Shipped, or Delivered. This workflow ensures that customer orders are tracked accurately from the moment they are placed until the delivery process is complete.

Smart Retail System - Sales Dashboard

Customer ViewDashboardInventoryOrdersLogout



Macallan Whiskey

Whiskey, Gin & Spirits

4

Low Stock

Restock

Orders Management

Search Orders

Filter by Status

Search by order ID or customer

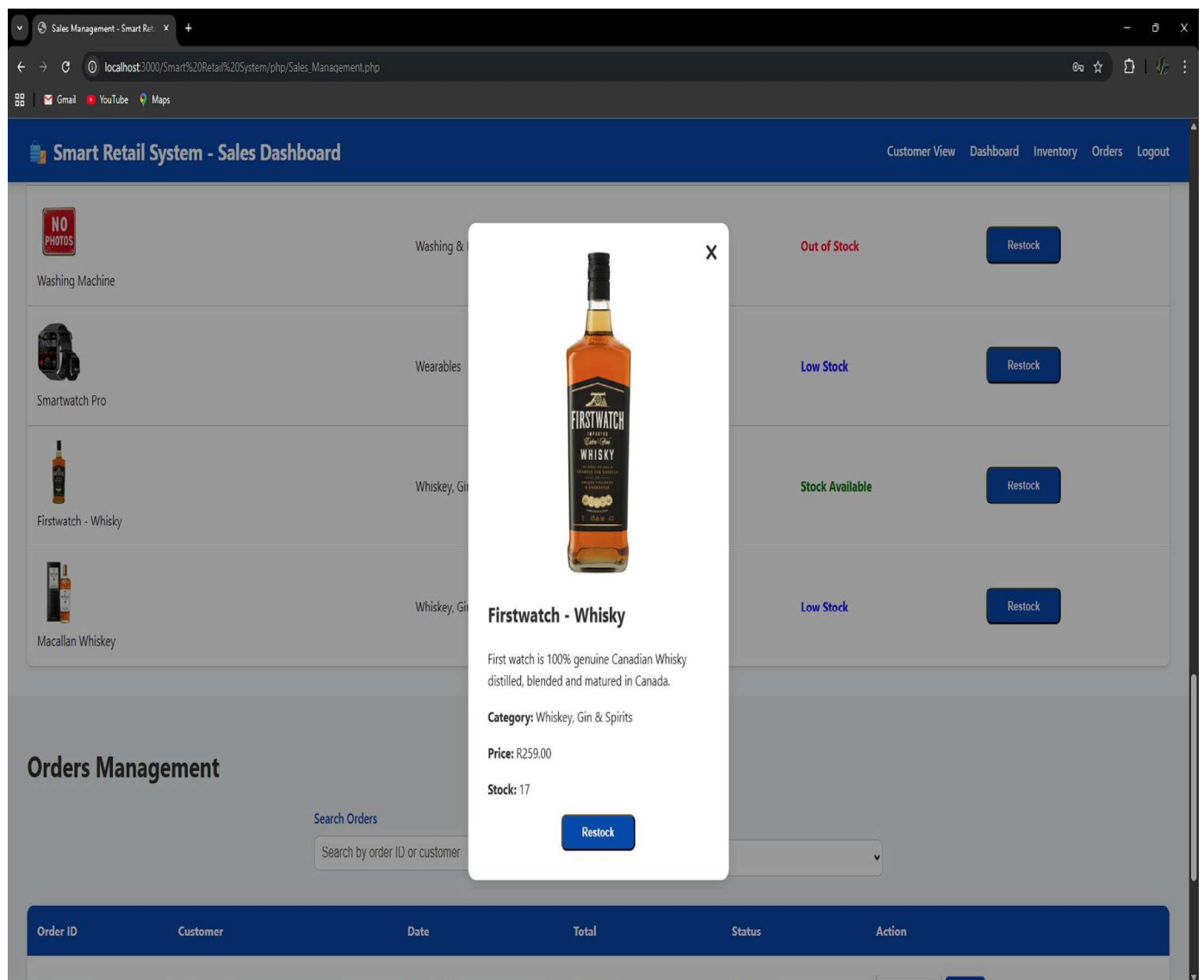
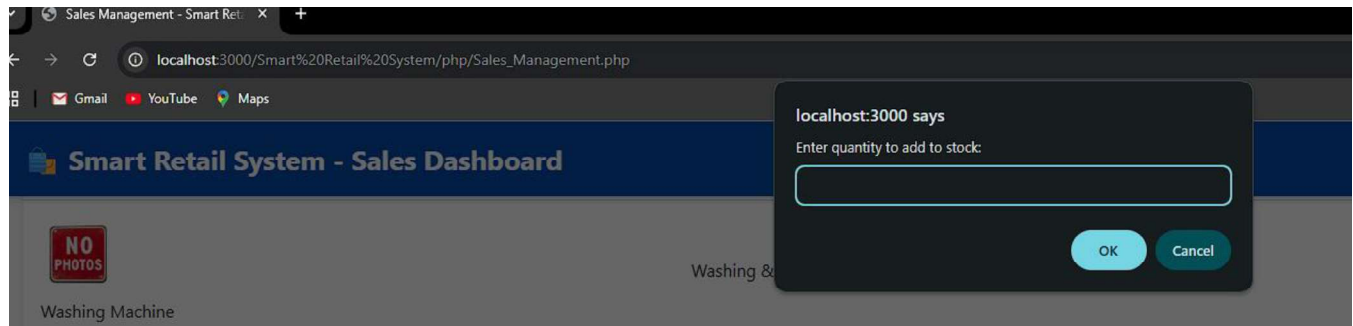
All

| Order ID | Customer        | Date       | Total      | Status    | Action                                 |
|----------|-----------------|------------|------------|-----------|--|
| #7       | Peter Wals      | 2025-11-14 | R5,999.00  | Pending   | <div>Pending</div> <div>Update</div>   |
| #6       | John Van Zambuk | 2025-11-13 | R30,830.00 | Delivered | <div>Delivered</div> <div>Update</div> |
| #5       | John Van Zambuk | 2025-11-13 | R7,235.00  | Shipped   | <div>Shipped</div> <div>Update</div>   |
| #4       | John Van Zambuk | 2025-11-13 | R674.00    | Delivered | <div>Delivered</div> <div>Update</div> |

© 2025 Smart Retail System | Internal Dashboard

## 6. Stock Update During Checkout

Whenever a customer makes a purchase, the system automatically reduces the stock levels in the database based on the quantities bought. Sales Associates then see updated stock values inside the Inventory page and Order Management details. This real-time adjustment helps prevent overselling and ensures that associates always have correct stock information when managing new orders or reviewing inventory.



## 7. Logging Out

At the end of their session, Sales Associates can safely log out using the Logout option found in the navigation bar. This action clears their session and returns them to the login page. Logging out ensures that the system remains secure and that staff-specific features cannot be accessed by unauthorized users.

## Conclusion

The Smart Retail System provides an efficient and user-friendly platform that connects customers and sales associates through a streamlined shopping and management environment. Customers benefit from easy navigation, product browsing, cart management, and secure order processing, creating a smooth and enjoyable shopping experience. At the same time, Sales Associates are equipped with powerful tools such as inventory management, product registration, and real-time order tracking, allowing them to maintain accurate stock levels and ensure fast, reliable order fulfillment.

By integrating PHP, MySQL, HTML, and CSS, the system delivers strong functionality while remaining accessible and easy to maintain. Each component plays an essential role in ensuring that data is stored securely, interfaces perform smoothly, and users can interact with the system intuitively. The Smart Retail System successfully demonstrates how modern technologies can support retail operations by improving customer interaction, simplifying staff workflows, and maintaining organized, real-time business data.

=====  
**The End**  
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