

CYUZOZO Aline

24RP03478

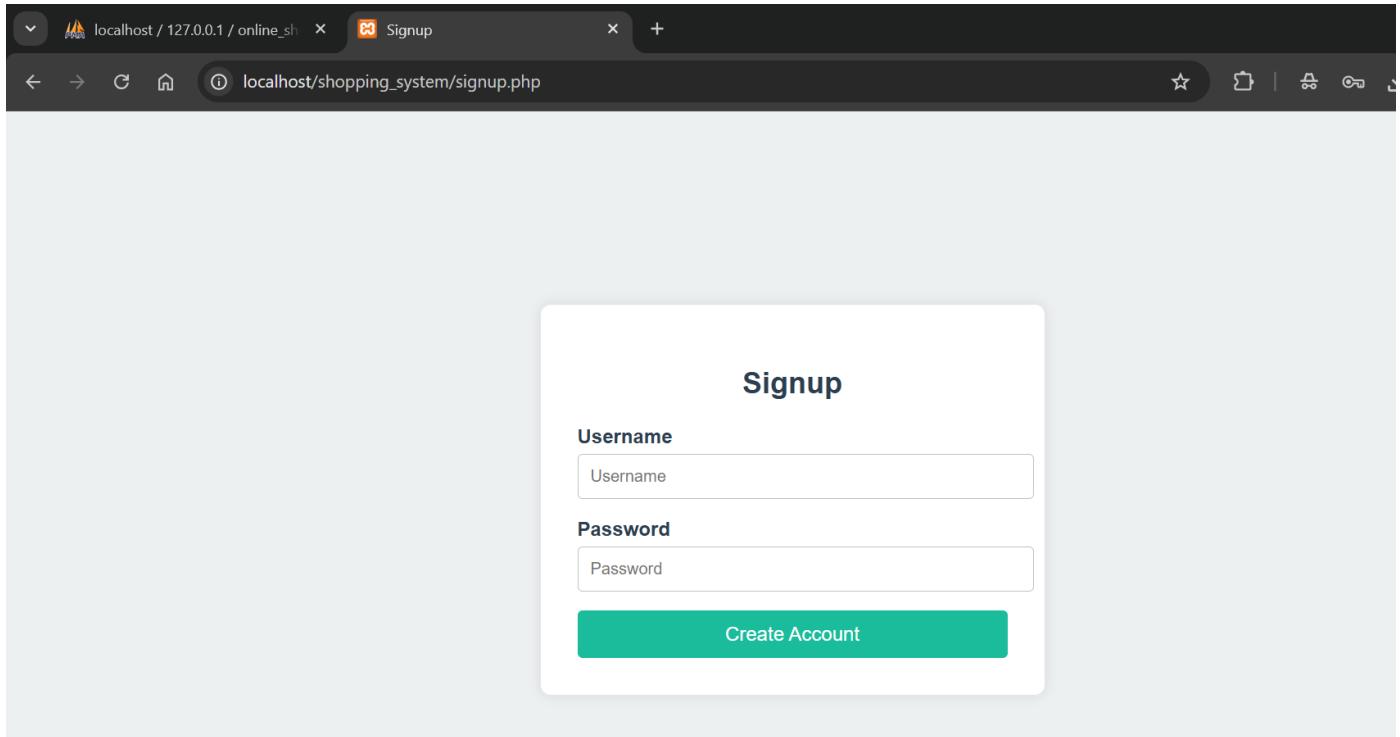
Year 2 IT B

Securing My CRUD System Using Sessions & Cookies

TASK TO SUBMIT:

Submit the following:

1. Signup page



A screenshot of a web browser window displaying a "Signup" form. The browser's address bar shows "localhost/shopping_system/signup.php". The form itself has a light gray background and a white rounded rectangular input area. At the top of this area, the word "Signup" is centered in bold black font. Below it, there are two input fields: one labeled "Username" and another labeled "Password", both with placeholder text ("Username" and "Password" respectively). At the bottom of the input area is a solid teal-colored button with the white text "Create Account". The browser interface includes standard navigation buttons (back, forward, search, etc.) and a tab bar at the top.

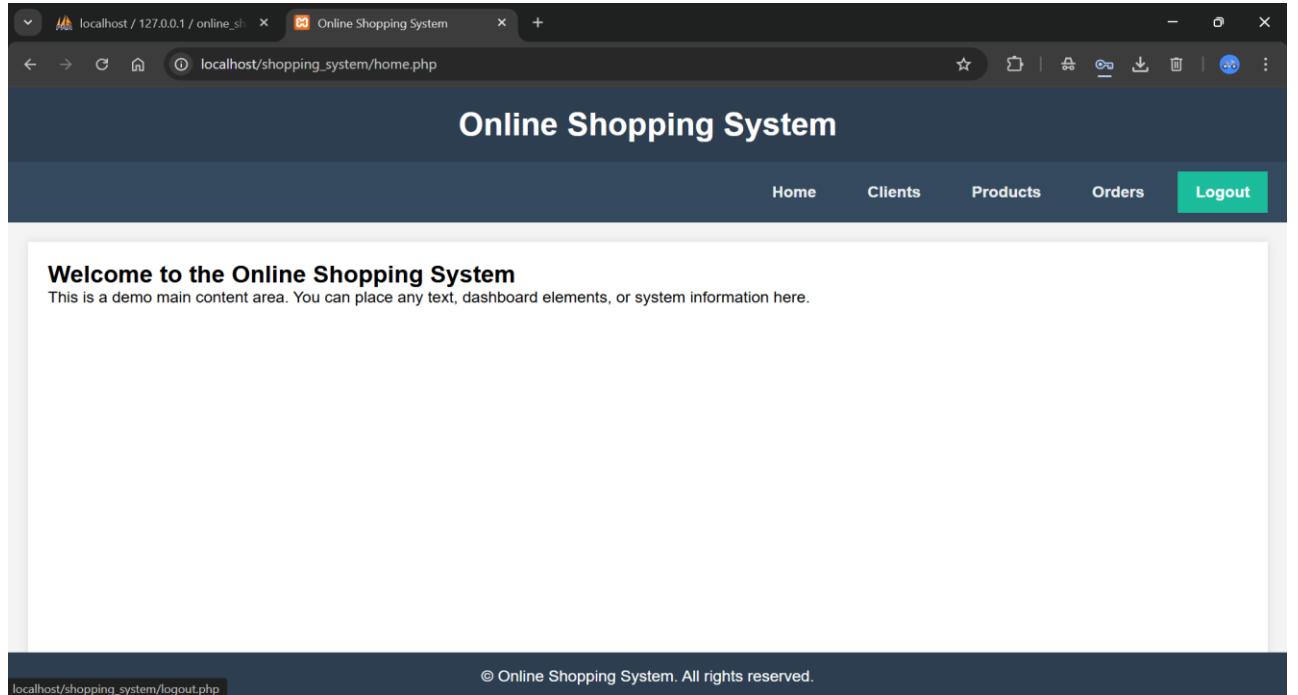
2. Login page

A screenshot of a web browser window showing a login form. The title bar indicates the URL is `localhost/shopping_system/login.php`. The form itself has a light gray background and a white card-like structure. It features a title "Login Here" at the top center. Below it are two input fields: one for "Username" and one for "Password", both with placeholder text. At the bottom of the card are two buttons: a teal "Login" button and a teal "Signup Here!!" button.

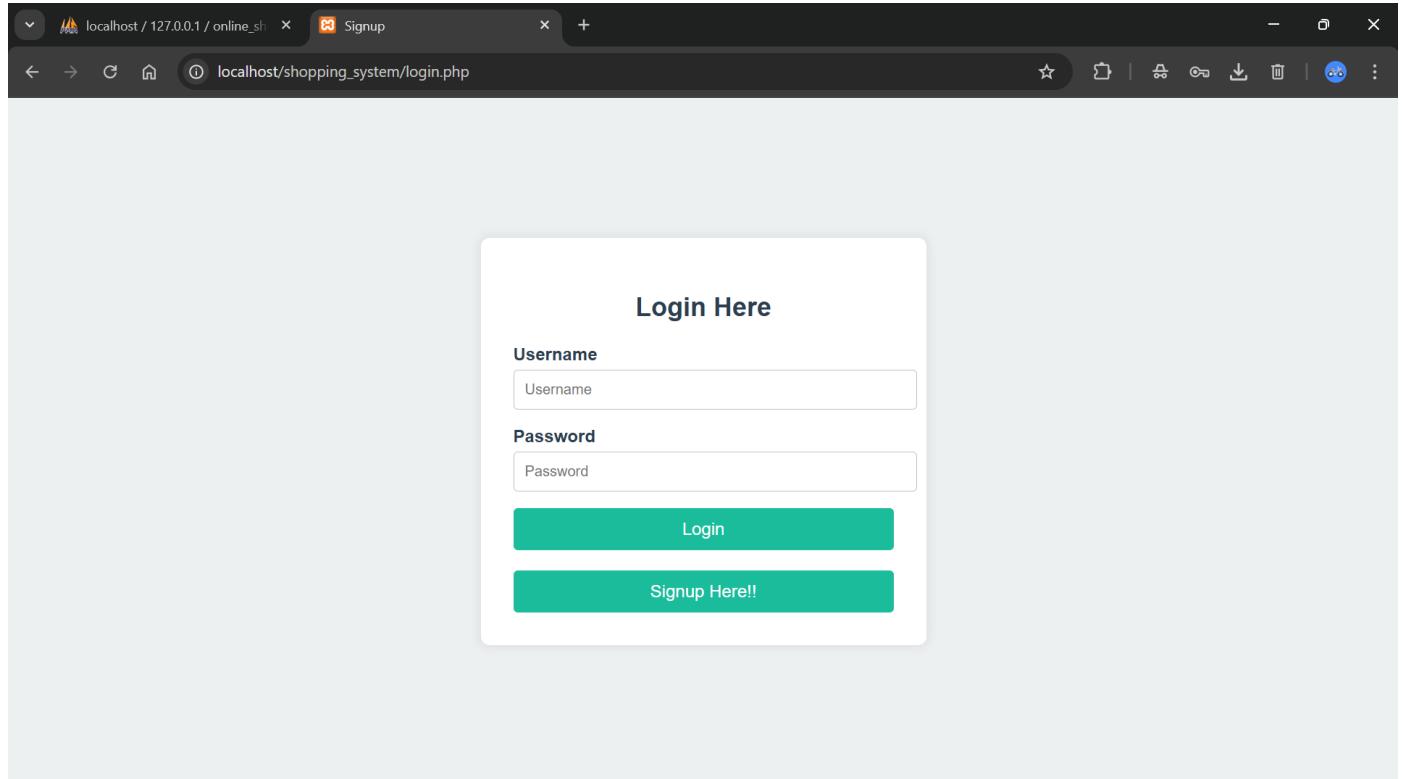
3. Protected CRUD pages

A screenshot of a web browser window showing the main dashboard of the "Online Shopping System". The title bar indicates the URL is `localhost/shopping_system/home.php`. The page has a dark blue header with the text "Online Shopping System" in white. Below the header is a navigation menu with links: "Home", "Clients", "Products", "Orders", and "Logout". The main content area has a white background and contains the text "Welcome to the Online Shopping System" and a smaller note: "This is a demo main content area. You can place any text, dashboard elements, or system information here." At the bottom of the page is a dark footer bar with the copyright text "© Online Shopping System. All rights reserved."

4. Logout functionality



Already when user clicks on Logout link you will be back on Login page



5. User identity displayed on all CRUD pages

ClientsTable

Insert page: For Adding New Clients Information

The screenshot shows a modal dialog titled "Add Client Informations". The form contains three input fields: "Full Names" with the value "Alice UMUHOZA", "Location" with the value "Karongi", and "Telephone" with the value "078374673635". Below the form is a teal-colored button labeled "Create Account".

Retrieve/Display All Clients Information's (Table include Delete and Update)

The screenshot shows a web browser window for the "Online Shopping System". The title bar says "localhost / 127.0.0.1 / online_sh" and the tab is "Clients Informations". The URL in the address bar is "localhost/shopping_system/dclients.php". The main header "Online Shopping System" is displayed in a dark blue bar along with navigation links: Home, Clients, Products, Orders, and Logout.

Clients Informations

ID	Client Name	Location	Phone Number	Actions
1	Aline CYUZUZO	Kigali	0789011728	Edit Delete
2	Assinah ISHIMWE	Rusizi	0794022134	Edit Delete
4	Alice UMUHOZA	Karongi	078374673635	Edit Delete

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The screenshot shows a web browser window for the "Online Shopping System". The title bar says "localhost / 127.0.0.1 / online_sh" and the tab is "Signup". The URL in the address bar is "localhost/shopping_system/editclient.php?a=4&b=Alice%20UMUHOZA&c=Karongi&d=078374673635". The main header "Update / Modify Clients information's" is displayed in a dark blue bar along with navigation links: Home, Clients, Products, Orders, and Logout.

Edit Clients

Client Id

Full Names

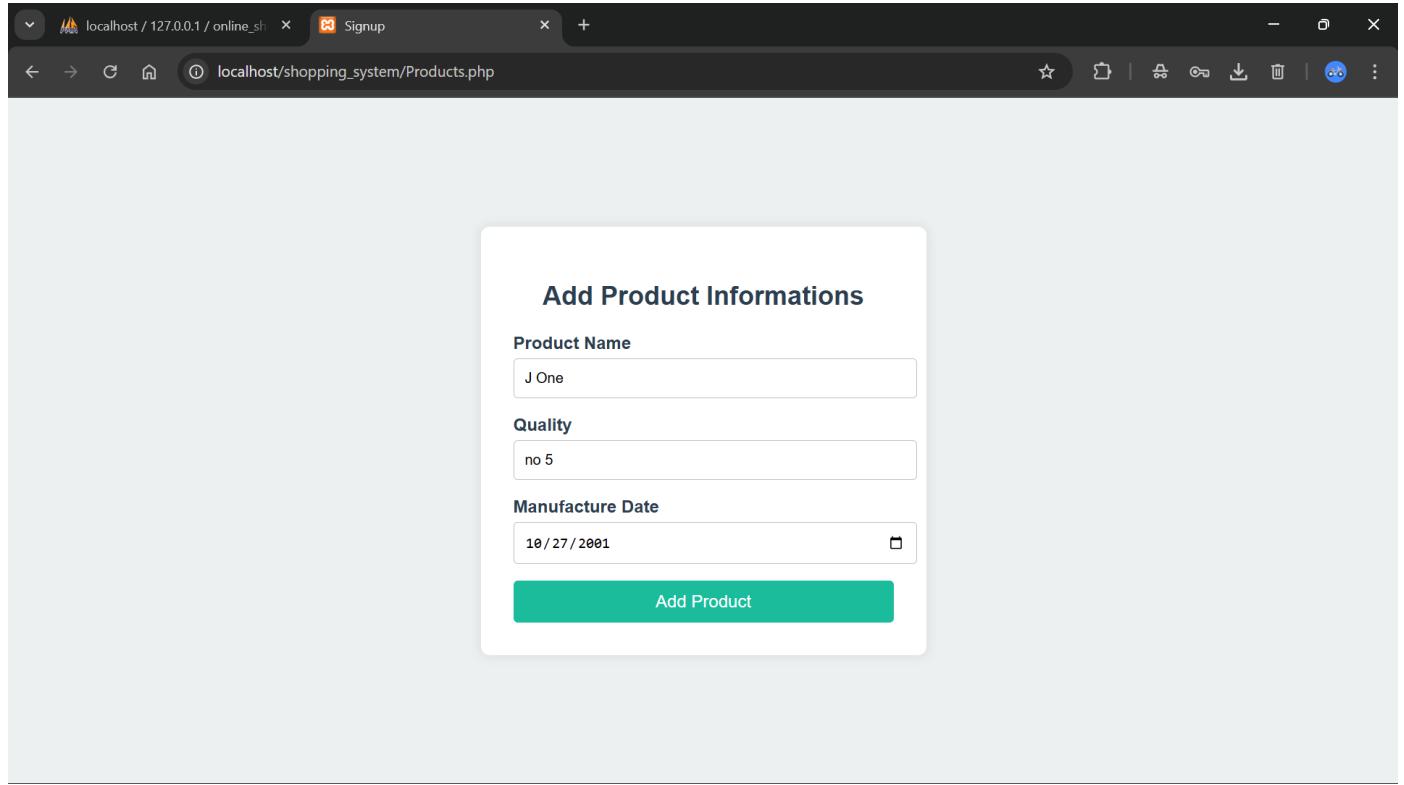
Location

Phone Number

[Change Client](#)

Products Table

Insert page: For Adding New Product Information



A screenshot of a web browser window. The address bar shows "localhost/shopping_system/Products.php". The main content area displays a form titled "Add Product Informations". The form has three input fields: "Product Name" containing "J One", "Quality" containing "no 5", and "Manufacture Date" containing "10/27/2001". Below the form is a green button labeled "Add Product".

Add Product Informations

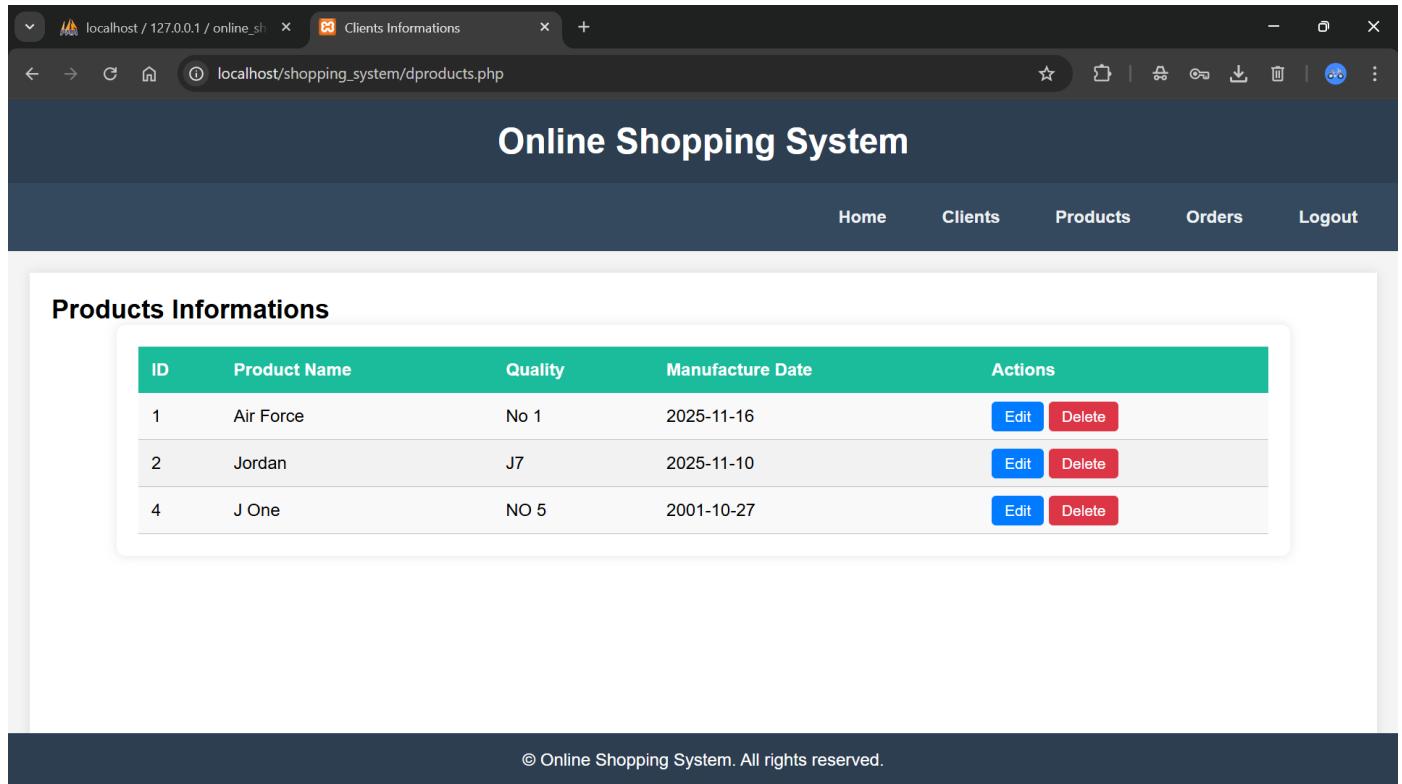
Product Name
J One

Quality
no 5

Manufacture Date
10/27/2001

Add Product

Retrieve/Display All Products Information's (Table include Delete and Update)

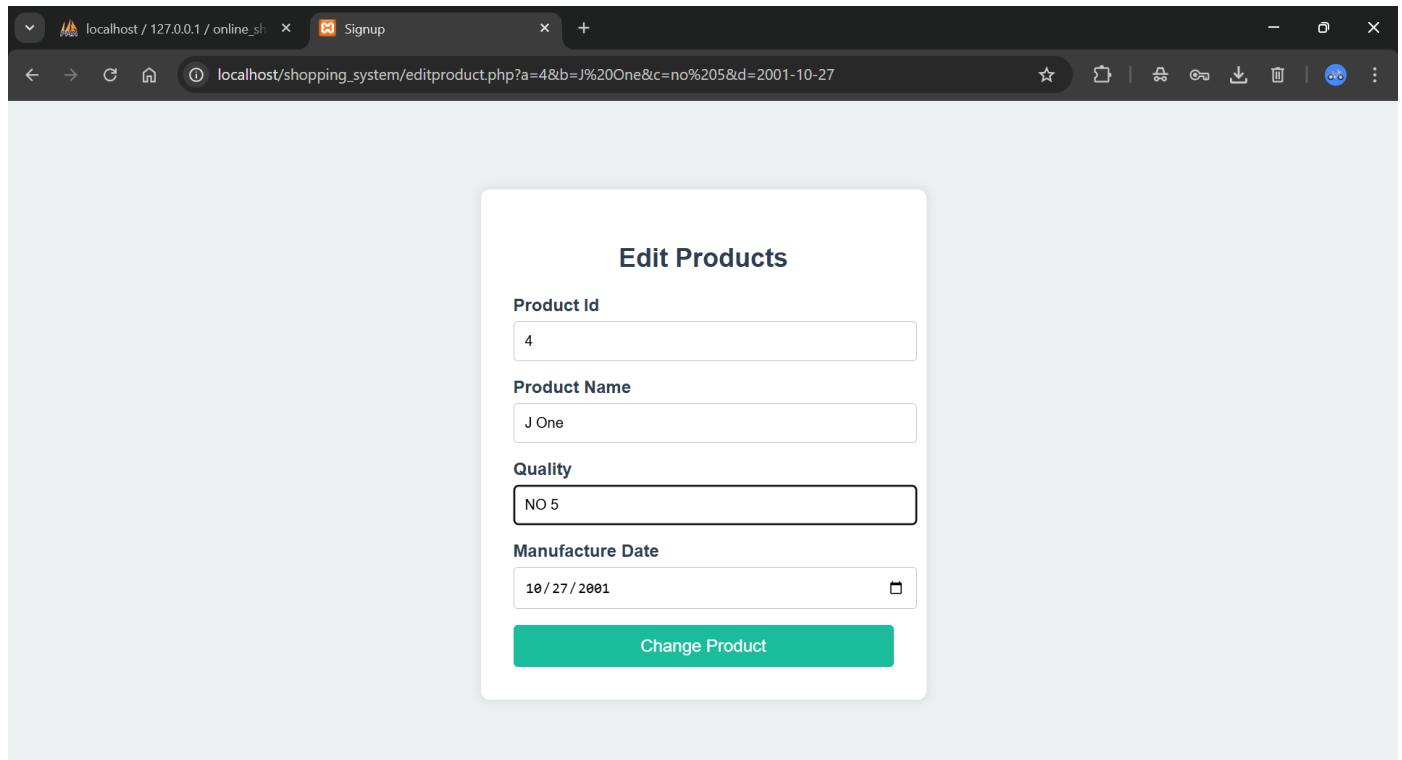


The screenshot shows a web browser window for the "Online Shopping System". The title bar says "localhost / 127.0.0.1 / online_sh" and "Clients Informations". The address bar shows "localhost/shopping_system/dproducts.php". The main header "Online Shopping System" is centered above a navigation bar with links: Home, Clients, Products, Orders, and Logout. Below the navigation is a section titled "Products Informations" containing a table with three rows of product data. Each row includes edit and delete buttons.

ID	Product Name	Quality	Manufacture Date	Actions
1	Air Force	No 1	2025-11-16	<button>Edit</button> <button>Delete</button>
2	Jordan	J7	2025-11-10	<button>Edit</button> <button>Delete</button>
4	J One	NO 5	2001-10-27	<button>Edit</button> <button>Delete</button>

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Update / Modify Products information's



The screenshot shows a web browser window for the "Online Shopping System". The title bar says "localhost / 127.0.0.1 / online_sh" and "Signup". The address bar shows "localhost/shopping_system/editproduct.php?a=4&b=J%20One&c=no%205&d=2001-10-27". A modal dialog box is open with the title "Edit Products". It contains fields for Product Id (4), Product Name (J One), Quality (NO 5), and Manufacture Date (10/27/2001). A "Change Product" button is at the bottom.

Edit Products

Product Id

Product Name

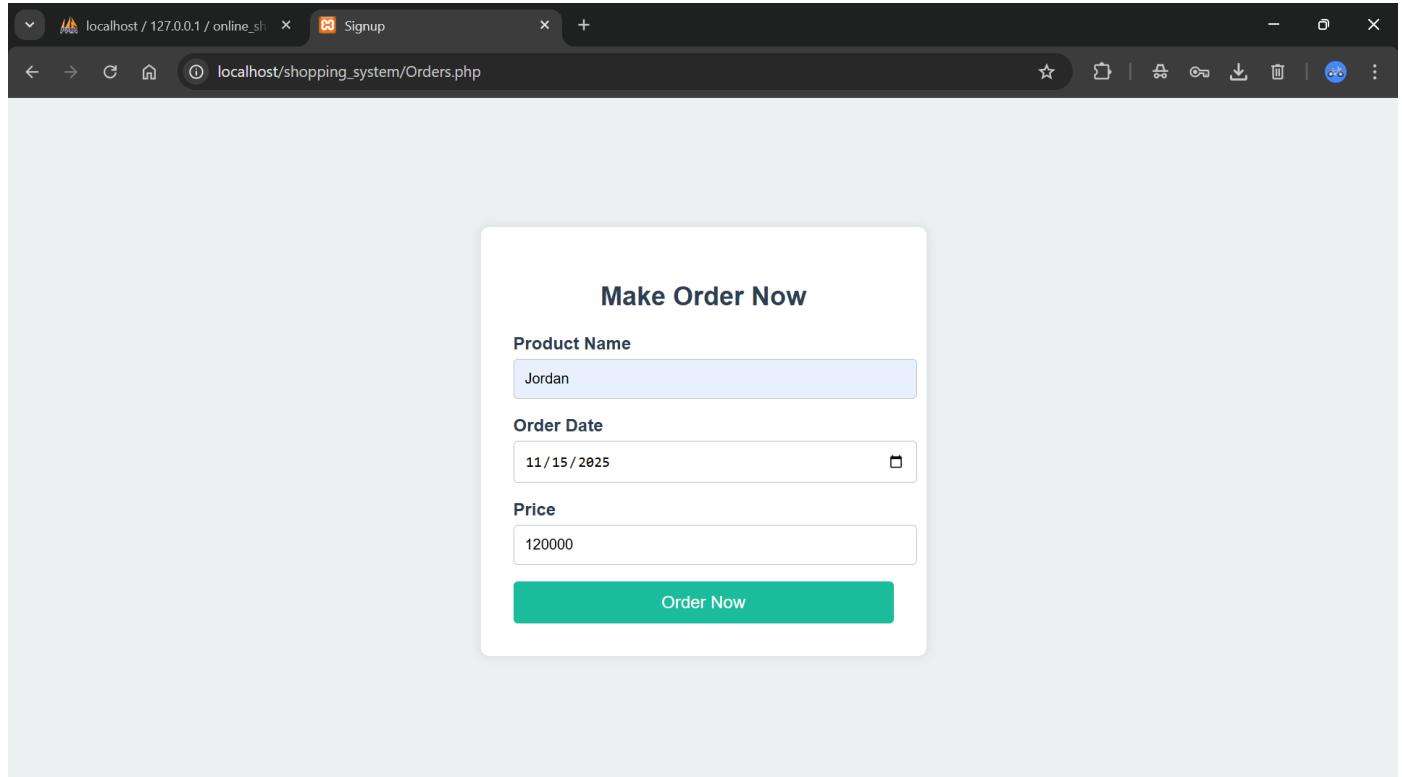
Quality

Manufacture Date

Change Product

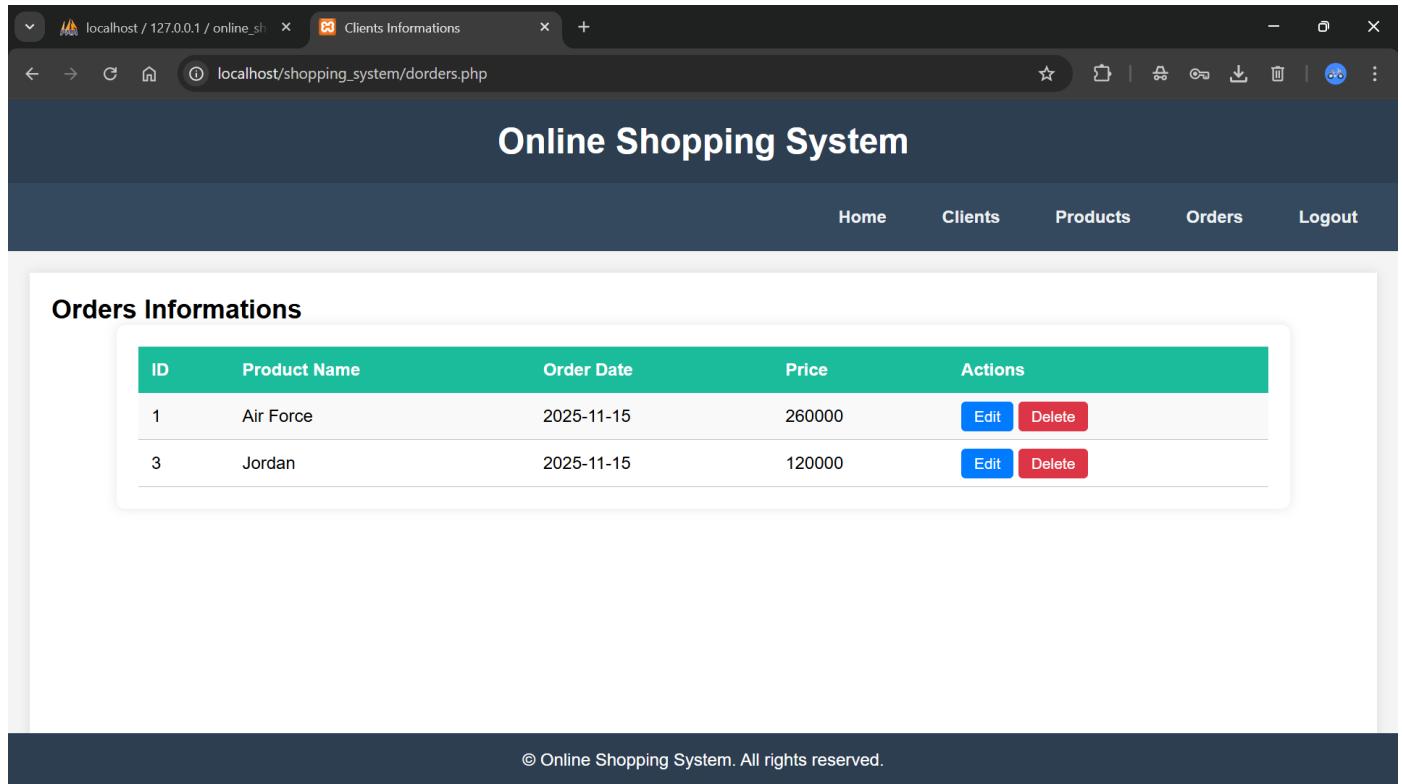
Orders Table

Insert page: For Adding Orders Information



A screenshot of a web browser window. The address bar shows "localhost/shopping_system/Orders.php". The main content area displays a modal dialog titled "Make Order Now". The form contains three input fields: "Product Name" with the value "Jordan", "Order Date" with the value "11/15/2025", and "Price" with the value "120000". Below the form is a green button labeled "Order Now".

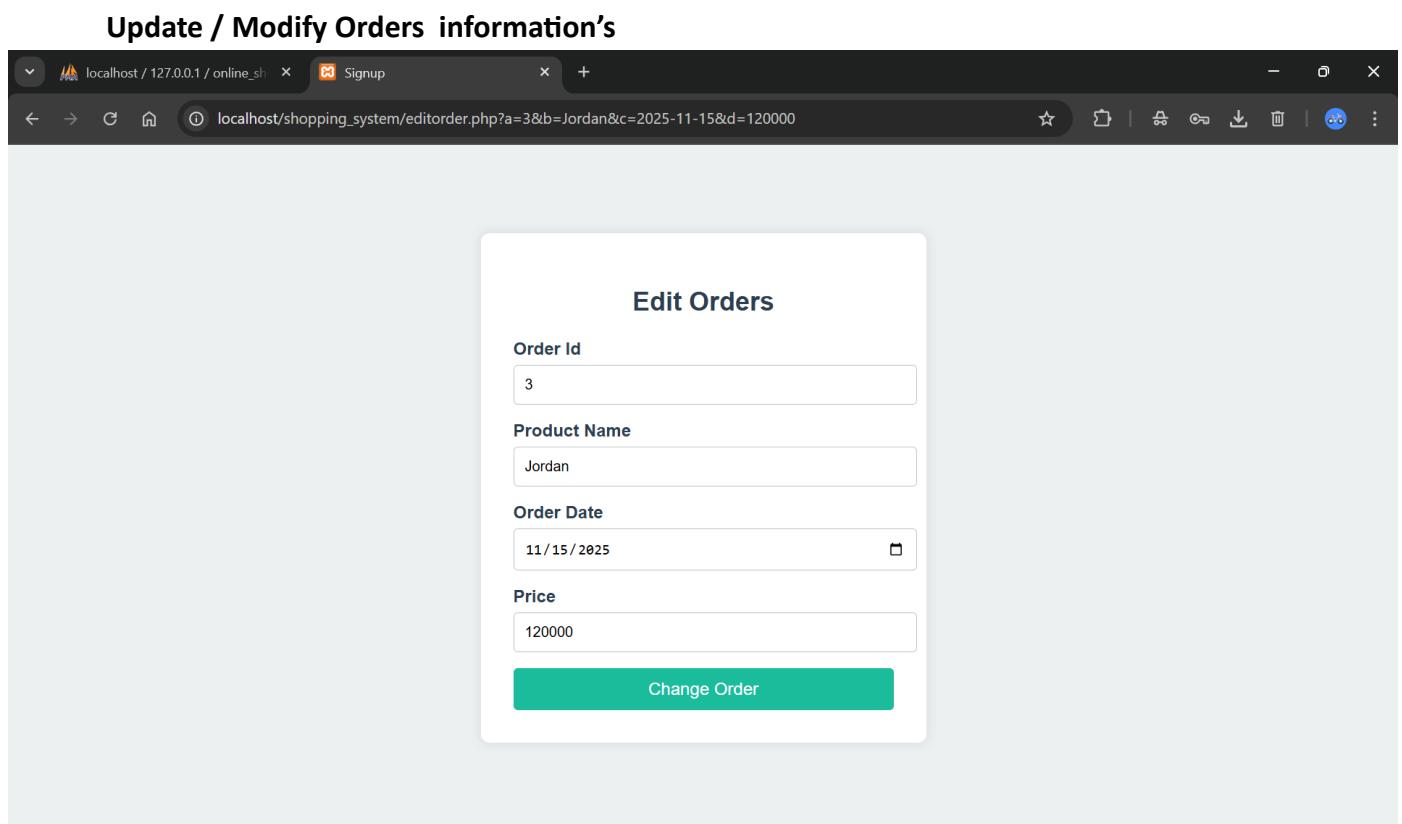
Retrieve/Display All Orders Information's (Table include Delete and Update)



The screenshot shows a web browser window for the "Online Shopping System". The title bar says "localhost / 127.0.0.1 / online_sh... Clients Informations" and the address bar says "localhost/shopping_system/dorders.php". The main header "Online Shopping System" is centered above a navigation bar with links for Home, Clients, Products, Orders, and Logout. Below the navigation is a section titled "Orders Informations" containing a table with two rows of order data. Each row includes edit and delete buttons in the "Actions" column.

ID	Product Name	Order Date	Price	Actions
1	Air Force	2025-11-15	260000	<button>Edit</button> <button>Delete</button>
3	Jordan	2025-11-15	120000	<button>Edit</button> <button>Delete</button>

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The screenshot shows a modal dialog titled "Edit Orders" over a web browser window. The browser title bar says "localhost / 127.0.0.1 / online_sh... Signup" and the address bar says "localhost/shopping_system/editorder.php?a=3&b=Jordan&c=2025-11-15&d=120000". The modal contains four input fields: "Order Id" (value 3), "Product Name" (value Jordan), "Order Date" (value 11/15/2025), and "Price" (value 120000). A green "Change Order" button is at the bottom.

Update / Modify Orders information's

Edit Orders

Order Id
3

Product Name
Jordan

Order Date
11/15/2025

Price
120000

Change Order

Authentication Documentation

1. How Sessions Were Used

Sessions were used to keep users logged in after successful authentication.

When a user logs in, their user ID and username are stored in the session.

All protected CRUD pages check the session to ensure the user is authenticated:

- If the session exists → user is allowed in
- If not → user is redirected to the login page

2. How Cookies Were Used

Cookies were used to store the session ID that links the browser to the server-side session. The cookie does not store any password or personal data, only a random session identifier.

Security attributes used or recommended:

- HTTP Only → prevents JavaScript from reading cookies
- Secure → sends cookies only over HTTPS

2. How Authentication Is Secured

Authentication security was ensured by:

- Password hashing before saving to MySQL (using password hash or similar)
- Password verification during login (using password verify)
- Prepared statements to prevent SQL injection
- Session checks on all CRUD pages
- Session destroy + cookie removal during logout