

CYUZUZO Aline

24RP03478

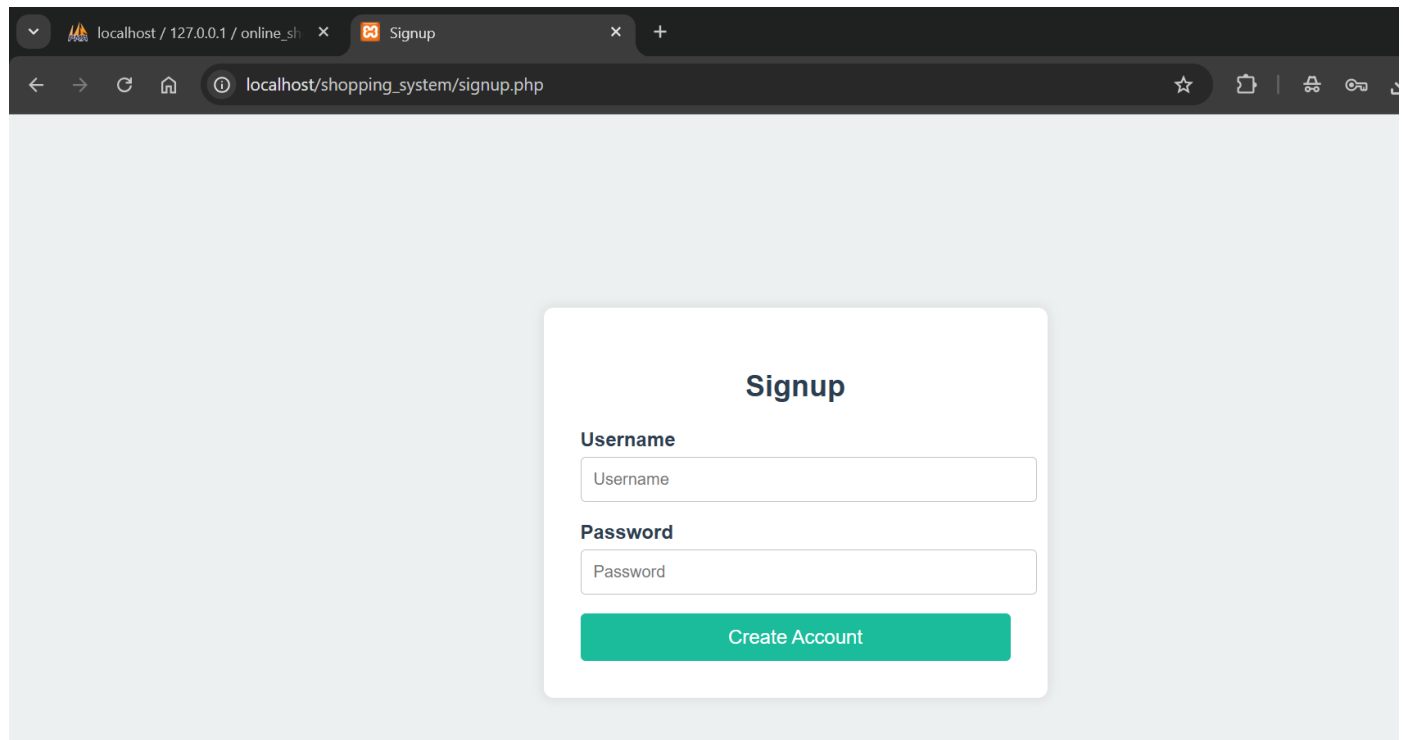
Year 2 IT B

Securing My CRUD System Using Sessions & Cookies

TASK TO SUBMIT:

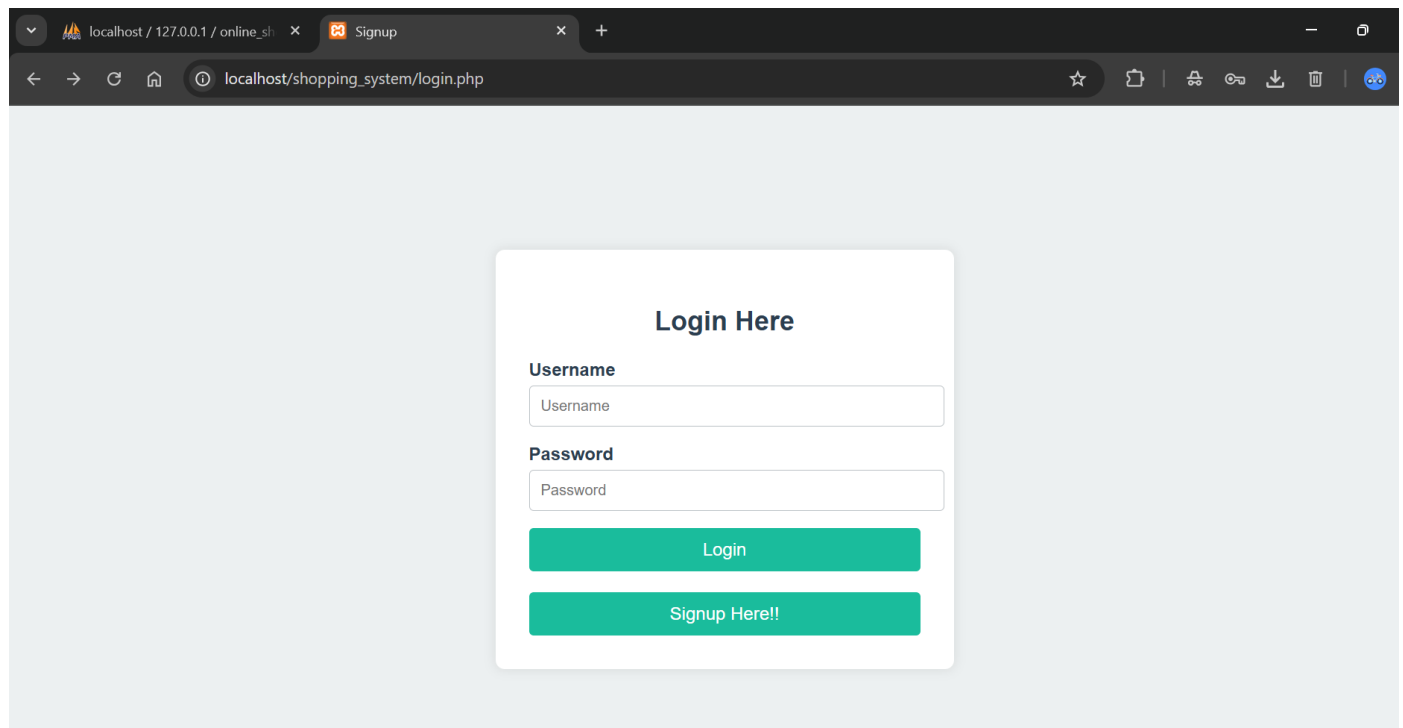
Submit the following:

1. Signup page

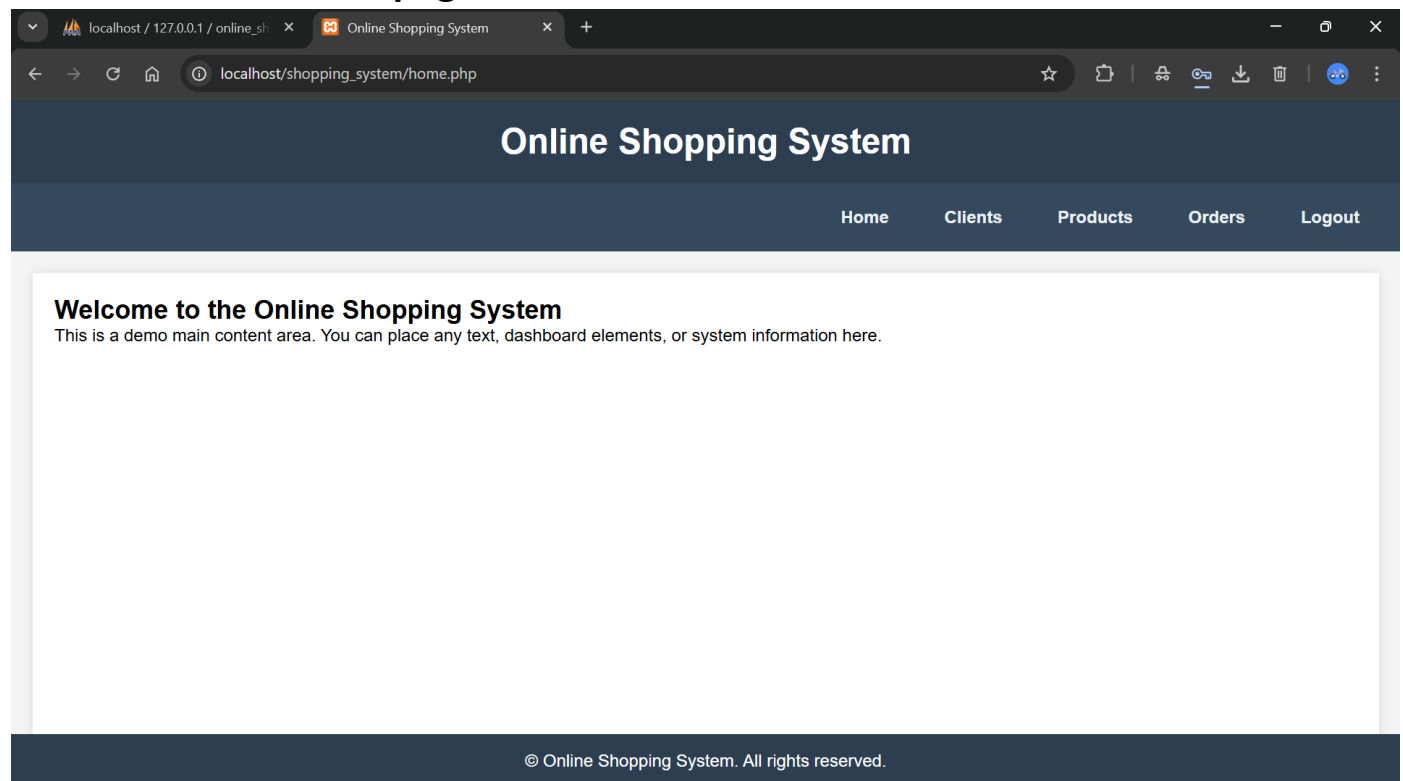


The screenshot shows a web browser window with two tabs. The active tab is titled 'Signup' and shows the URL 'localhost/shopping_system/signup.php'. The page content is a simple signup form centered on a light blue background. The form is contained within a white box with rounded corners. At the top of the box is the heading 'Signup'. Below it are two input fields: one for 'Username' and one for 'Password'. Each field has its respective label above it. At the bottom of the form is a green button labeled 'Create Account'.

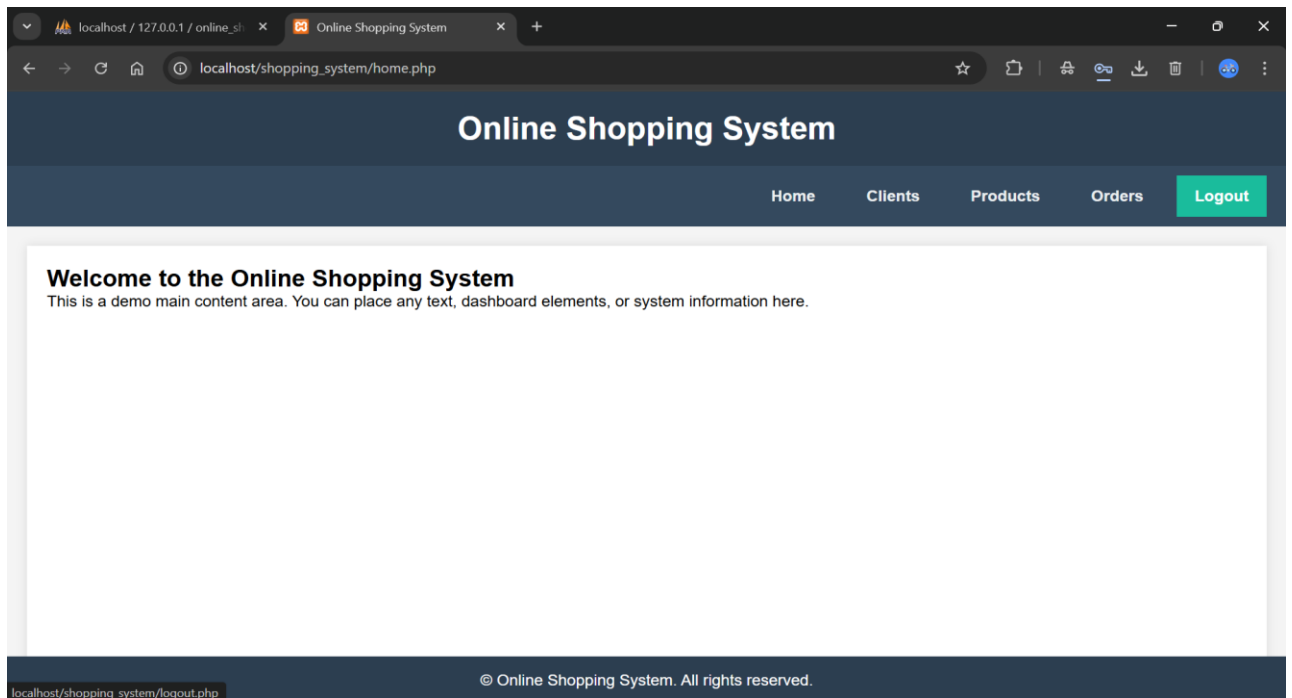
2. Login page



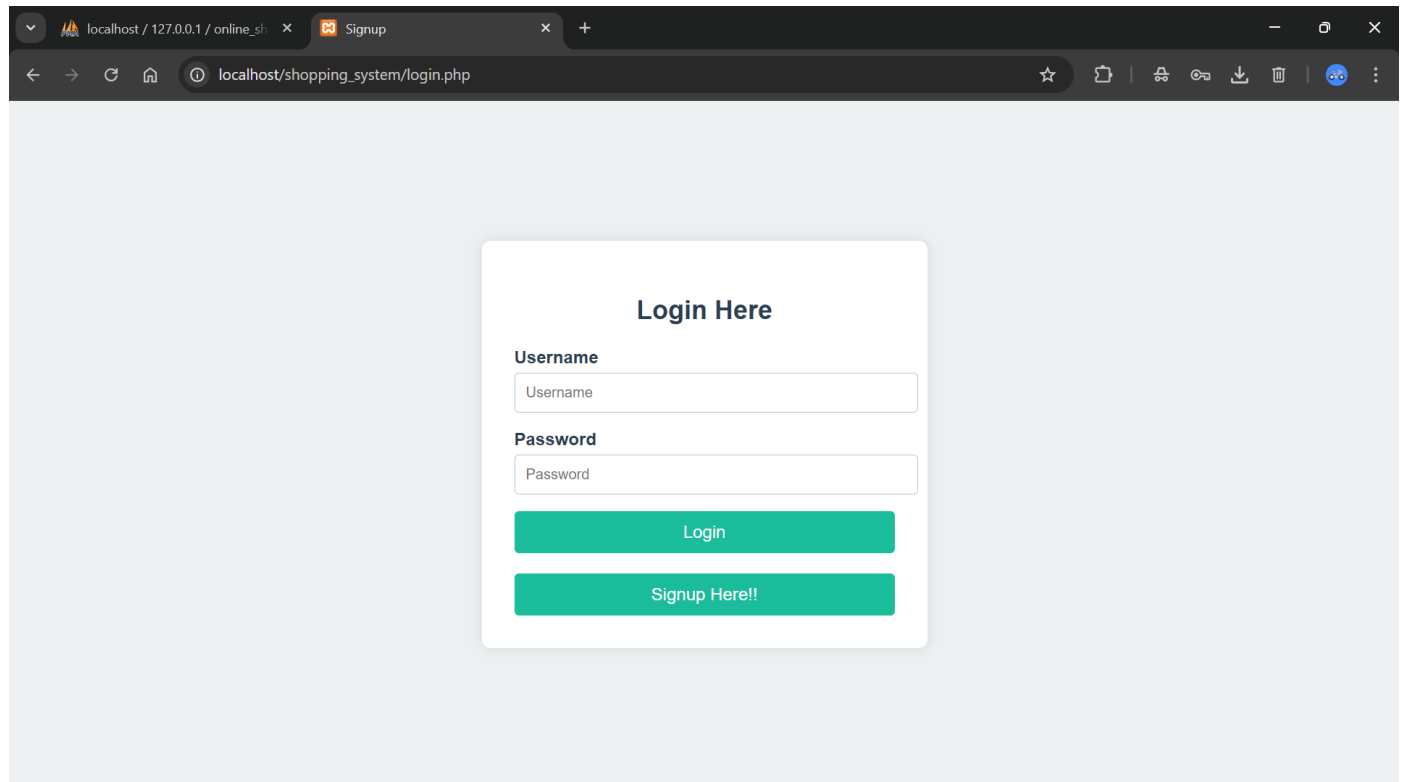
3. Protected CRUD pages



4. Logout functionality



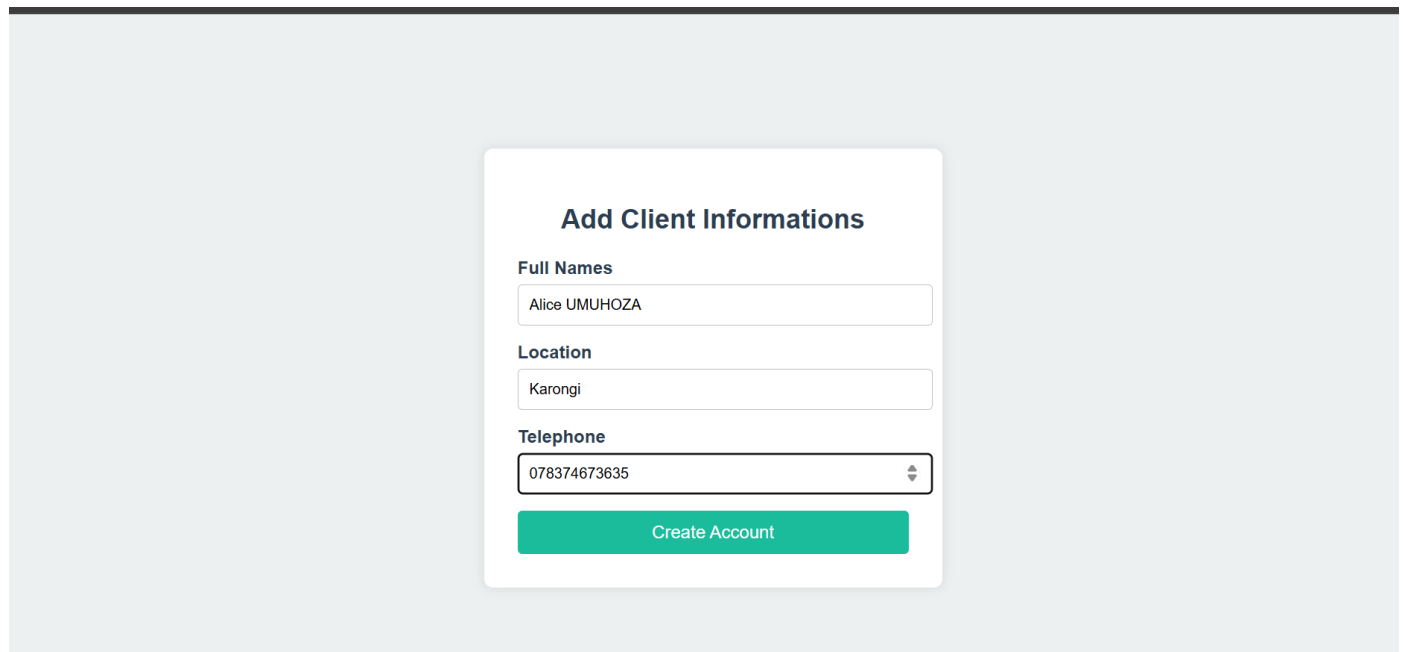
Already when user clicks on Logout link you will be back on Login page



5. User identity displayed on all CRUD pages

ClientsTable

Insert page: For Adding New Clients Information



The screenshot shows a web application interface for adding new client information. It features a light gray background with a white form box in the center. The form is titled 'Add Client Informations' in bold. It contains three input fields: 'Full Names' with the value 'Alice UMUHOZA', 'Location' with the value 'Karongi', and 'Telephone' with the value '078374673635'. A green 'Create Account' button is at the bottom of the form.

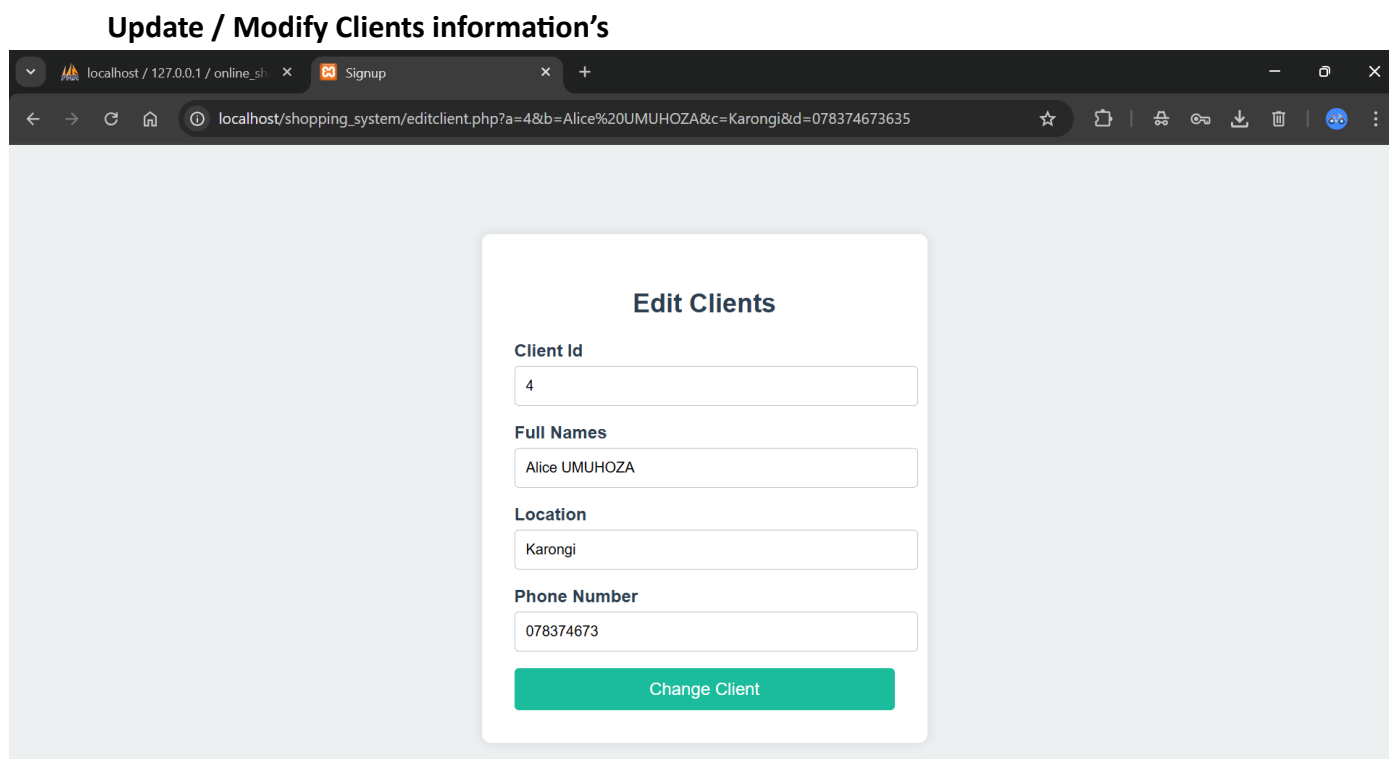
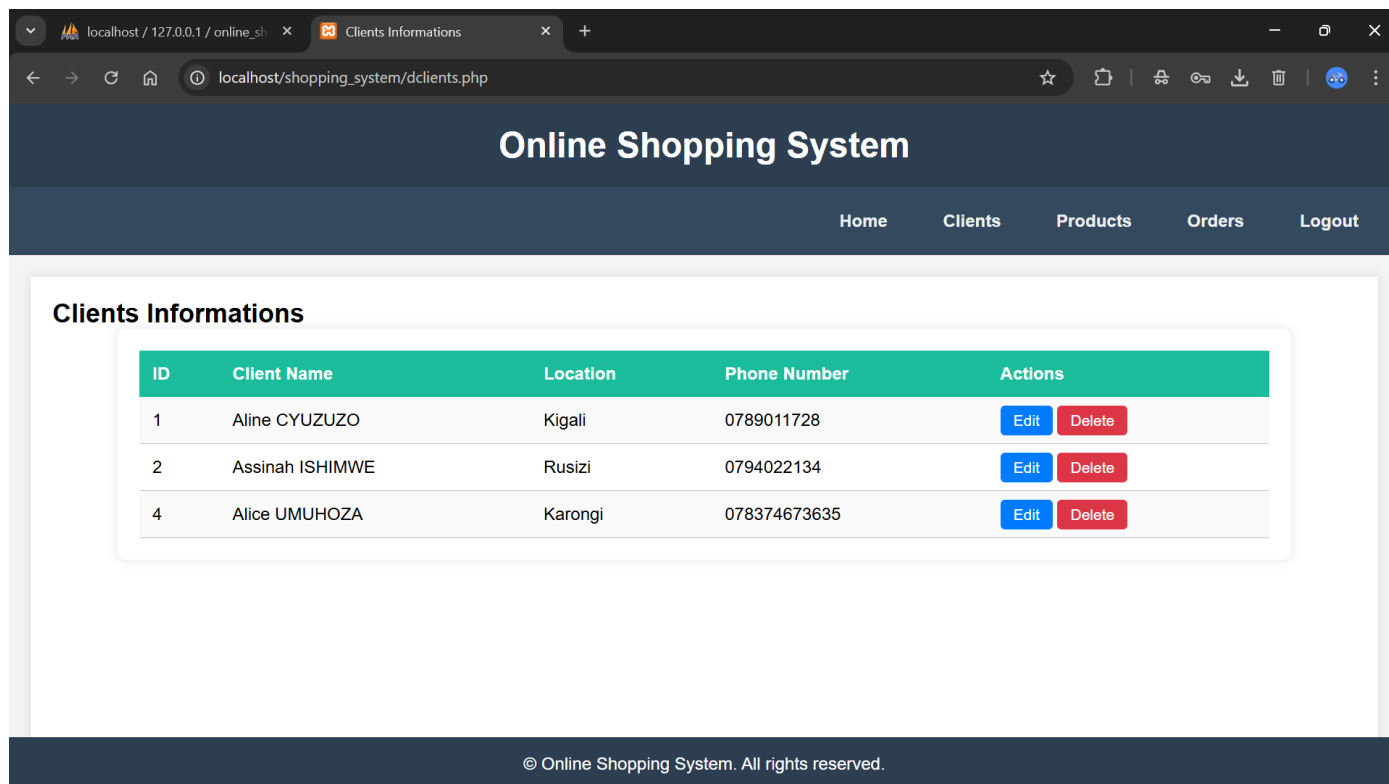
Add Client Informations

Full Names

Location

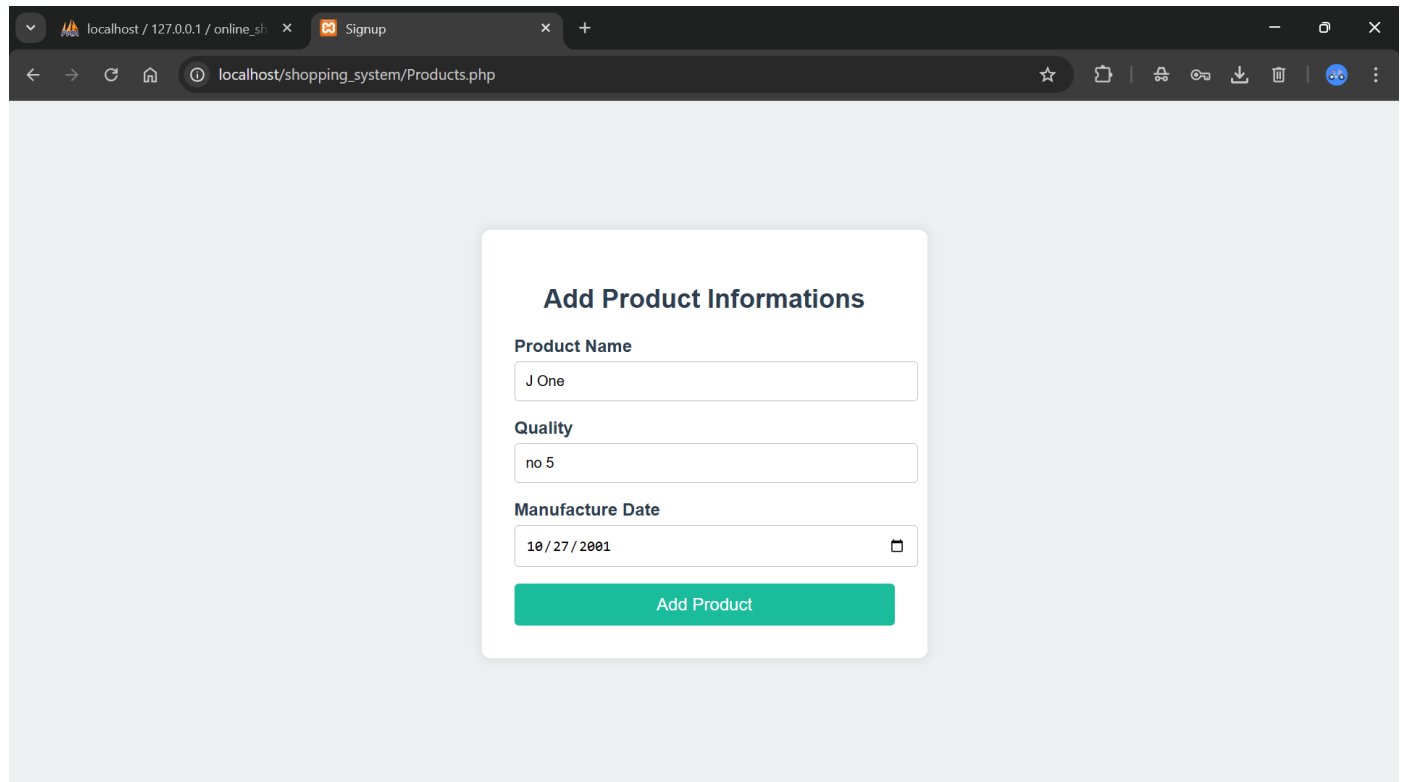
Telephone

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



Products Table

Insert page: For Adding New Product Information



The screenshot shows a web browser window with the address bar displaying 'localhost/shopping_system/Products.php'. The browser has two tabs: 'localhost / 127.0.0.1 / online_sh...' and 'Signup'. The main content area features a light blue background with a white modal form titled 'Add Product Informations'. The form contains three input fields: 'Product Name' with the value 'J One', 'Quality' with the value 'no 5', and 'Manufacture Date' with the value '10 / 27 / 2001'. A green 'Add Product' button is located at the bottom of the form.

Add Product Informations

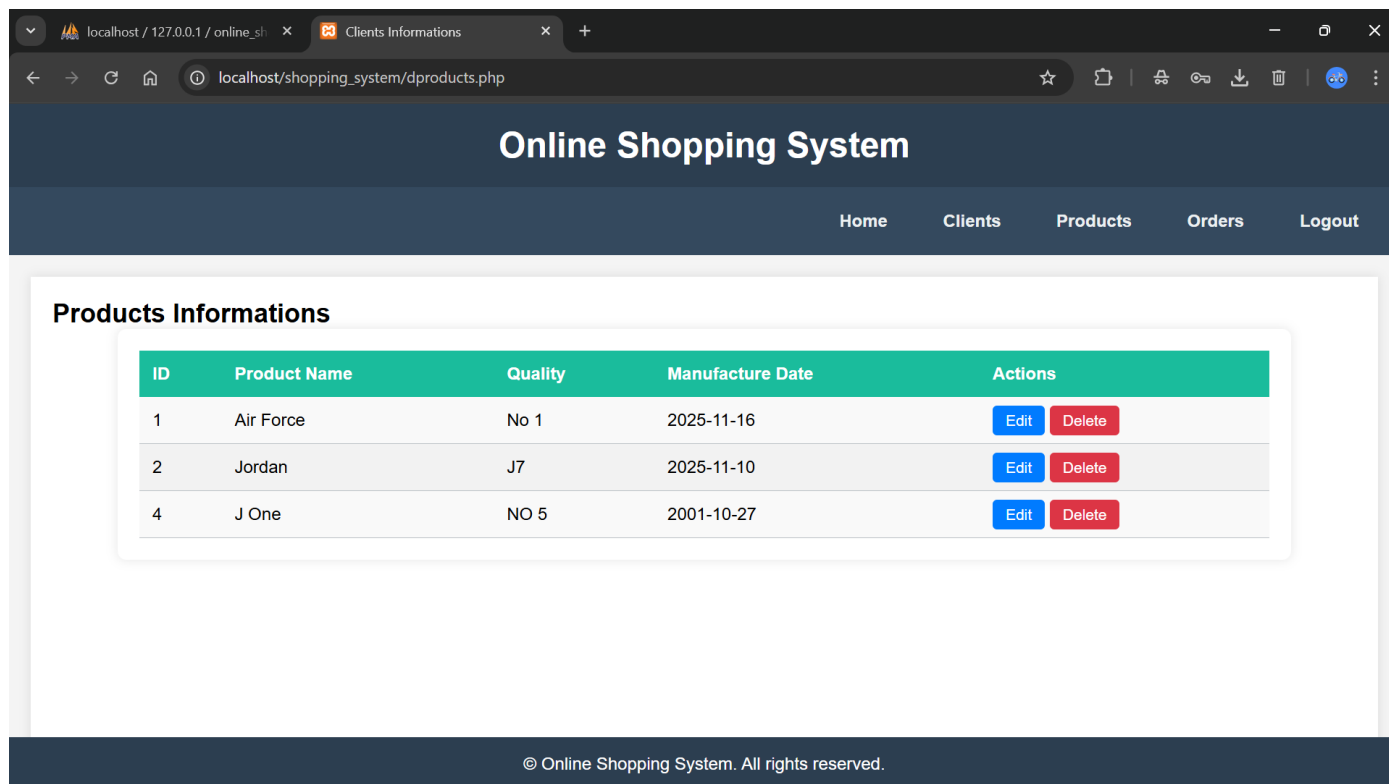
Product Name
J One

Quality
no 5

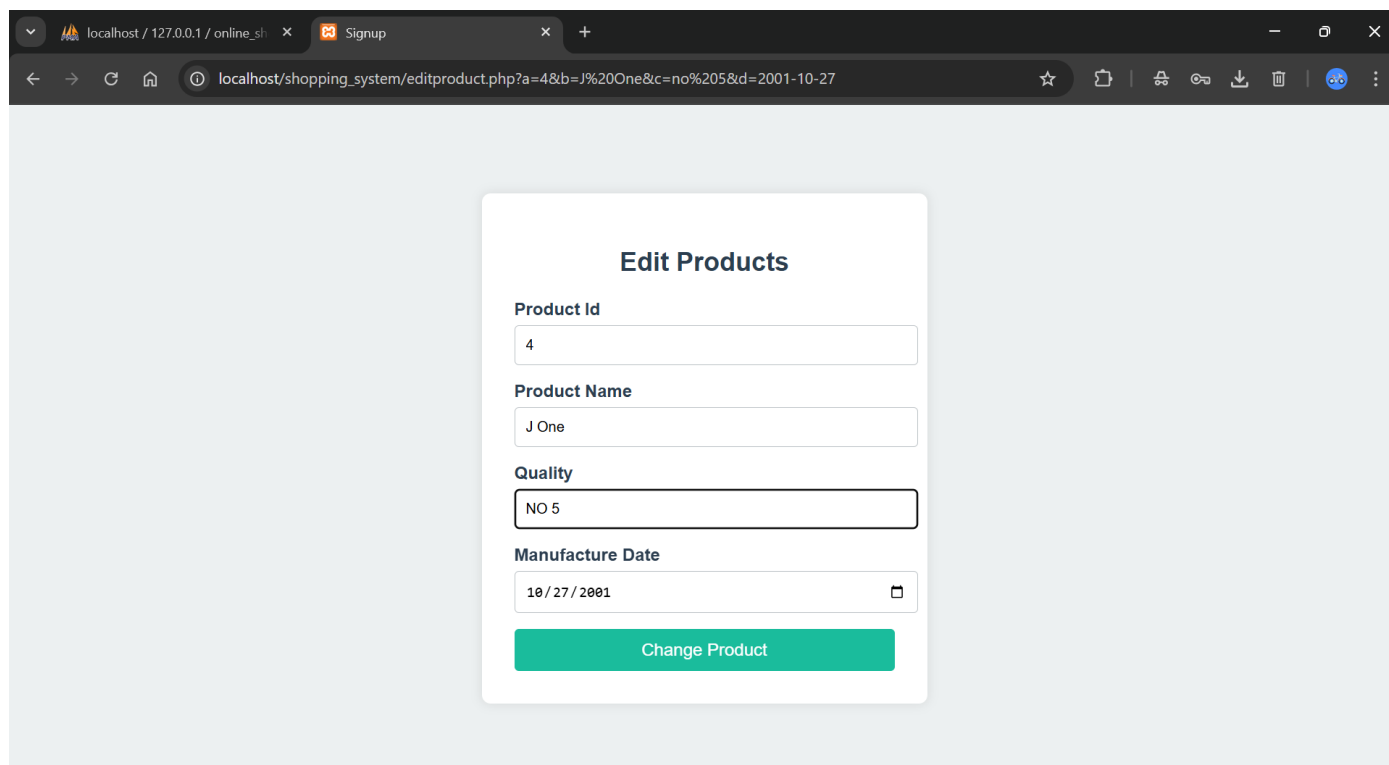
Manufacture Date
10 / 27 / 2001

Add Product

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

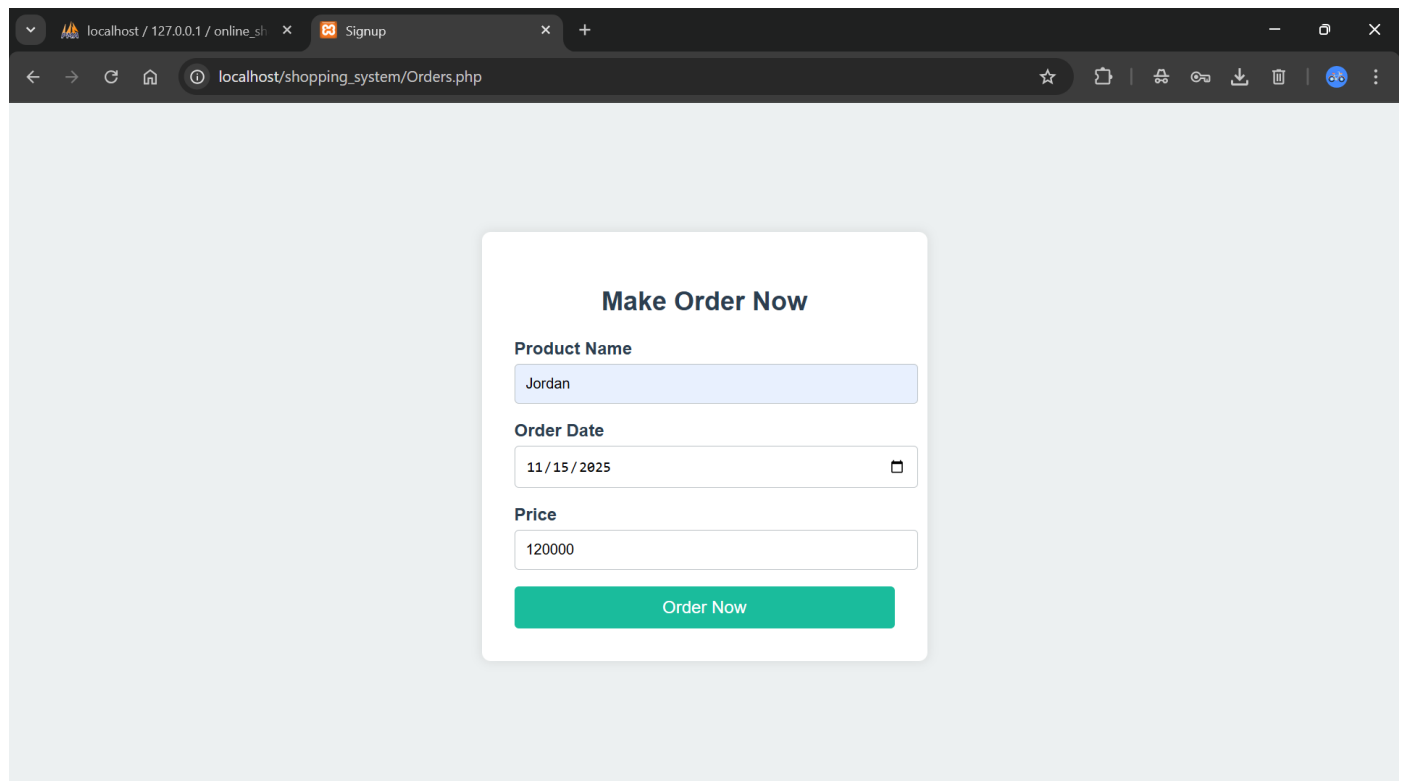


Update / Modify Products information's



Orders Table

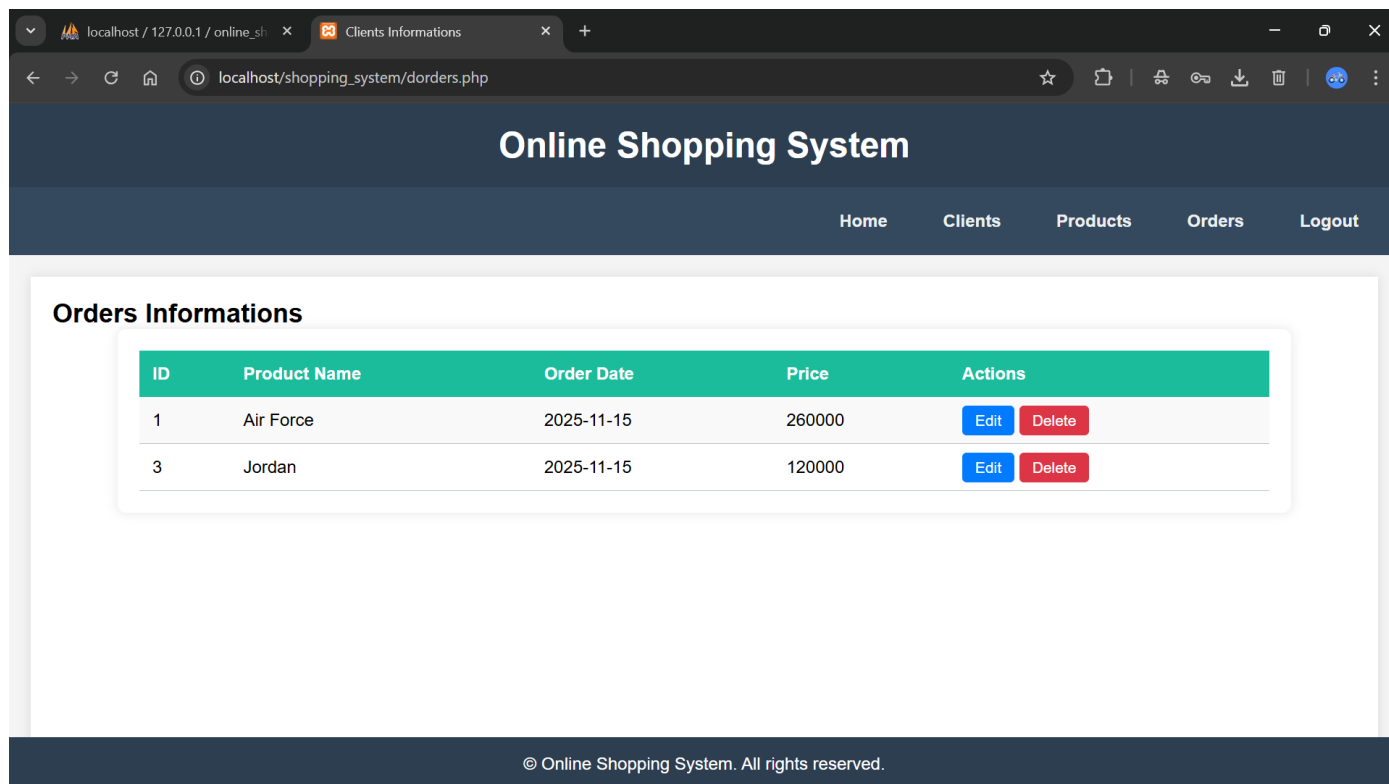
Insert page: For Adding Orders Information



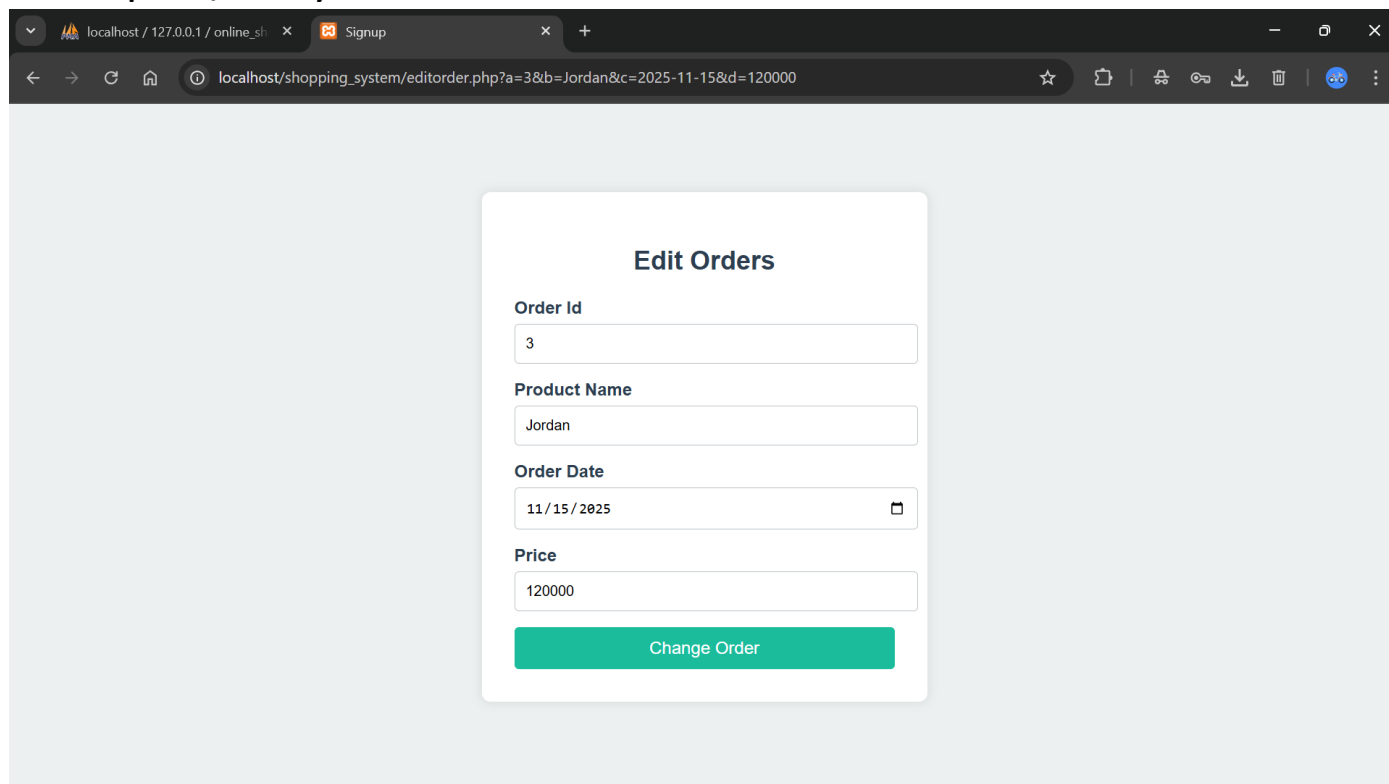
The screenshot shows a web browser window with two tabs: 'localhost / 127.0.0.1 / online_sh...' and 'Signup'. The address bar displays 'localhost/shopping_system/Orders.php'. The main content area features a light gray background with a white modal form titled 'Make Order Now'. The form contains three input fields: 'Product Name' with the value 'Jordan', 'Order Date' with the value '11 / 15 / 2025' and a calendar icon, and 'Price' with the value '120000'. A green 'Order Now' button is positioned at the bottom of the form.

Make Order Now	
Product Name	Jordan
Order Date	11 / 15 / 2025
Price	120000
Order Now	

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



Update / Modify Orders information's



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