

E-Commerce Management System

Introduction:

The E-Commerce Application is developed using PHP and HTML, using MySQL as RDBMS. The interfaces are designed to navigate through multiple screens of managing products, users, and controls and other related features to E-Commerce System.

Environment Setup:

- Web Browser
- XAMPP – Local Server
- HTML – Front End
- PHP – Backend
- Visual Studio Code

Deployment:

1. Installed XAMPP on a local machine which allowed me to configure a MySQL database and locally host through Apache Web Server.
2. Transferred my directory to a htdocs folder located under this application directory which will access the files on to the web.
3. Then started the server and opened localhost with port 3000 to run my application.
4. It will present with the dashboard page and then from there parse through the directory in the URL to the designated file.

Features:

- 1) Add User:
 - i. Click on the “Add a user” link on the home page.
 - ii. Fill out the form with necessary credentials such as name, password, email, and address.
 - iii. Press Submit, it will save the users information into Users table and navigate the user to users’ table.
- 2) Delete User
 - i. Click on the “All Users” link on the home page.
 - ii. The page will display all the users in the database.
 - iii. A Delete Button is associated with each row.
 - iv. On delete button press, it deletes the record from the database and updates the table.
- 3) Edit User
 - i. Click on the “All Users” link on the home page.
 - ii. The page will display all the users in the database.
 - iii. An Edit Button is associated with each row.
 - iv. On press, it will redirect the users to form page which the user can use to update the value.
 - v. Once submit it will redirect to all user table with updated value.

- 4) Add a Product
 - i. Click on the "Add Product" link on the home page.
 - ii. Fill out the form with necessary credentials such as name, seller's information, email, product information, etc.
 - iii. On Submit press, it will save the products information into the Database and redirect the user back to home page.
- 5) Delete a Product
 - i. On the home page, there is a products table which has "Delete" button associated with each row.
 - ii. On press, it deletes the record from the database and updates the table and redirects the user back to home page.
- 6) Add to Cart
 - i. On the home page, there is a products table which has "Add to cart" button associated with each row.
 - ii. On press, it adds the product from the database and updates the table and redirects the user to shopping cart page.
- 7) Delete from Cart
 - i. On the Shopping Cart Page
 - ii. It has all the items that are currently in the shopping cart.
 - iii. To each product in the shopping cart, there is a delete button associated with
 - iv. On press it will remove the product with all its quantities and update the table.
- 8) Checkout
 - i. On the Shopping Cart Page, there is a button "Checkout."
 - ii. This button completes finalizes the transaction and appends the user's Order History with the shopping cart items that were just passed through.
 - iii. Once it passes through, it updates the tables in the shopping cart, products, and order history.
 - iv. This feature also ensures the availability of the quantity of a product in the stock. If your cart exceeds the quantity for an item remaining in the stock, the transaction will fail and the changes made will be rolled back.
- 9) Displaying Shopping Cart
 - i. Click on the Shopping Cart Icon link on the home page.
 - ii. The page redirects the user to shopping cart page, consisting of currently held items of the user and the items they added to cart.
 - iii. The page is designed so that each product has it associated quantity, and price.
- 10) Displaying Order History
 - i. Click on Person icon link on the home page.
 - ii. It will redirect the user to profile page, consisting of their order history.
 - iii. Once the transactions went through from the shopping cart page, it is then displayed on order history table.
- 11) Submit Help Request
 - i. Click on Form icon link on the home page.
 - ii. It redirects the user to help request form page,

- iii. The user fills out the form with their associated order help request credentials.
- iv. On submit, the form is displayed under the user account, that will.

12) Submit Product Review

- i. Click on the "Post Review" link on the home page.
- ii. Fill out the form with necessary credentials such as product's information, product review to add, and user id, and product id.
- iii. On Submit press, it will save the products review into the Database and redirect the user back to home page.

13) Login Page

- i. The application starts at the login page.
- ii. The user is then asked to enter their email to verify their credentials with the Users Database
- iii. Once submit and verified it will direct the user to home page otherwise try again.