Group 61
Project: Online Sales and Marketing System
Name: Nimna Kaveesha Sekara
Reg No: 2022s19511
Index No: s16964

For our group project focused on developing an Online Sales and Marketing System, my primary contribution was developing key functional pages, including the product display, order tracking, payment processing, and seller dashboard.

Product Display Page (product.php)

- HTML forms the structural backbone of this page, where I created elements like product grids, item descriptions, and **Buy now** buttons. This layout ensures an intuitive shopping experience, enabling users to easily browse and select products.
- CSS enhances the visual appeal with consistent styling, color schemes, margins, and product image displays, ensuring the layout is attractive and user-friendly.
- PHP and MySQL are used to fetch product data from the database and display it dynamically. Every time a new product is added, it's immediately reflected on the page without manual updating.

Order Tracking Page (track-order.php)

- HTML provides the structure for customers to view their orders, showing order IDs, product details, and options to change or cancel their orders.
- JavaScript manages dynamic changes to orders (such as cancellations) and interacts with PHP to ensure that updates are made without reloading the page.
- PHP and MySQL handle the backend processing, fetching order data from the database, and allowing users to modify their orders in real-time.

Payment Processing Page (transaction.php) and PayHere Integration

- I integrated the **PayHere payment gateway** to handle secure transactions. This ensures smooth payment processing when a user proceeds with a purchase.
- HTML structures the transaction page, CSS ensures the layout remains consistent, and PHP interacts with the PayHere API for payment validation. Upon successful payment, the order is automatically added to the database.

Seller Dashboard

- HTML and CSS define the structure and layout of the seller dashboard. The dashboard includes options for managing orders, products, and profiles.
- The CRUD operations for products (Create, Read, Update, Delete) are handled through PHP and MySQL, allowing sellers to manage their listings seamlessly.
- JavaScript is used to dynamically update order status, giving sellers the ability to mark products as shipped or update other order details in real-time.

Feedback Page (feedback.php)

- I designed the **feedback.php** page to provide a help section for users, explaining how to navigate the site, and to collect valuable user feedback.
- HTML structures the feedback form, CSS ensures it's easy to interact with, and PHP processes the submissions to store feedback in the database for future improvements.

Research and Key Points

- I researched the integration of the PayHere payment gateway, image saving in MySQL databases using base64 format, and page pagination to optimize user experience, though some of these features were not fully implemented due to time constraints.

Resources

- **https://support.payhere.lk/sandbox-and-testing**
- **medium.com/@poojithairosha/how-to-integrate-payhere-payment-gateway-into-a-php-project-caac78bd9765**

Overall, my contributions ensured the development of a fully functional e-commerce platform with secure transactions and robust seller management features.