

INSTAMART

E – COMMERCE WEB APPLICATION

Project Description :

InstaMart is a feature-rich e-commerce platform designed to connect buyers and sellers in a seamless shopping experience. The platform enables users to browse and purchase products, sellers to list and manage their inventory, and administrators to oversee platform operations. InstaMart emphasizes usability, scalability, and secure operations, making it ideal for both small businesses and consumers.

InstaMart is a robust and user-friendly e-commerce platform designed to bring buyers, sellers, and administrators together in a seamless digital marketplace. The web application aims to streamline online shopping, offering a secure and intuitive environment for users to browse, purchase, and manage products across various categories. With InstaMart, sellers can easily list and maintain their product inventories, while buyers can enjoy a hassle-free shopping experience complete with features like product browsing, shopping cart management, and order tracking. Administrators play a key role in ensuring the platform's smooth operation by monitoring users, products, and orders.

InstaMart is designed to enhance the online shopping experience for all stakeholders:

- **For Buyers:** It offers an easy-to-navigate interface, where they can explore product categories, add items to their carts, complete purchases, and view their order history.
- **For Sellers:** It provides a dedicated dashboard to list products, manage stock, and update details, helping sellers maintain control over their online store.

Overall, InstaMart combines functionality, reliability, and ease of use to deliver a holistic e-commerce solution, making it an ideal platform for modern online retail needs.

Technologies Used:

Programming languages	:	PHP
Cross-platform web server	:	Xampp
IDE	:	Visual Studio Code
Database Server	:	Mysql
UI	:	HTML, CSS, Javascript
Hosting	:	InfinityFree

Instructions for Execution

Running Locally

1. Install a local server environment like **XAMPP**.
2. Clone or extract the project folder named InstaMart into the htdocs folder.
3. Start Apache and MySQL from the XAMPP control panel.
4. Navigate to <http://localhost/Instamart/home.php> in your browser.

Accessing the Application via the Hosted Website:

1. Open your preferred web browser.
2. Navigate to the hosted InstaMart application using the following link:
<http://instacart.42web.io/home.php>
3. The home page will load, displaying product categories and featured products. From here, you can explore all functionalities as a user, seller, or administrator..

Individual Contributions

The development of InstaMart was a collaborative effort involving three team members, each focusing on distinct aspects of the project to ensure a fully functional web application. Below is a detailed explanation of each member's contributions:

Ekambar Reddy

Merchant Portal:

- Developed the entire merchant login functionality.
- Implemented features for adding and updating products, allowing merchants to manage product listings, including the ability to delete products and modify product details such as stock, price, and descriptions.
- Created the Shipping Details section where orders placed by buyers for products belonging to a specific merchant are displayed. Merchants can update the shipping status for each order.
- Built the Profile Management functionality, enabling users (merchants) to edit their personal data and update their profile image.

Buyer Features:

- Designed and implemented a secure login system for buyers.
- Developed the Home Page, including the implementation of an image slider and other essential functionalities.
- Added a Shopping Feature that lists all products available in the database and enables users to browse and purchase them.

- Worked on the Checkout Process, integrating product selection and handling transaction details.

Code Merging & Checkout Implementation:

- Coordinated the integration of code from different team members, resolving issues that arose during the merging process.
- Implemented the Checkout Functionality while ensuring proper handling of session data. Initially, data was stored in sessions but later transitioned to a more stable method of data handling.

Order Management:

- Created an Orders section that lists orders placed by users and displays the corresponding shipping status, allowing merchants to update shipping information.

Contact Us Feature:

- Developed functionality to persist Contact Us submissions into the database.
- Displayed contact submissions to all merchants, enabling them to improve their services based on customer feedback.

Additional Functionalities:

- Implemented the logic for calculating prices and updating product quantities based on user actions, ensuring accurate pricing and inventory management.

Manusha

- **Database Design:**

Structured and normalized tables for users, sellers, products, orders, order details, and shopping carts.

Implemented triggers to automate tasks like updating inventory levels upon successful orders.

Ensured efficient retrieval and updating of data, for user actions like browsing products or viewing order history.

Managed user order histories, making it easy for buyers to track previous purchases.

- **Product Browsing:** Worked on designing responsive HTML/CSS pages for category-based product listings.
- **Cart Functionality:** Worked on developing interactive cart management enabling real-time updates for item quantities and totals.

Enhanced the shopping cart's UI to make the purchase process straightforward and engaging.

- **Data Collection and Management:** Contributed by collecting and organizing all the necessary data for updating the table. Ensured that the information gathered was relevant and accurate, and successfully updated the table with the necessary data to ensure its completeness and accuracy.
- **Order Handling:** Worked on Building logic to process orders, generate order summaries, and update product stock.

Created logic to generate detailed order summaries for buyers, tracking order history in the database.

Vennela Pulavarti

- **Product Browsing:**

Designed responsive HTML and CSS templates to display product listings by categories.

- **Checkout Page:**

Built the checkout page with user-friendly form elements for the purchasing process.

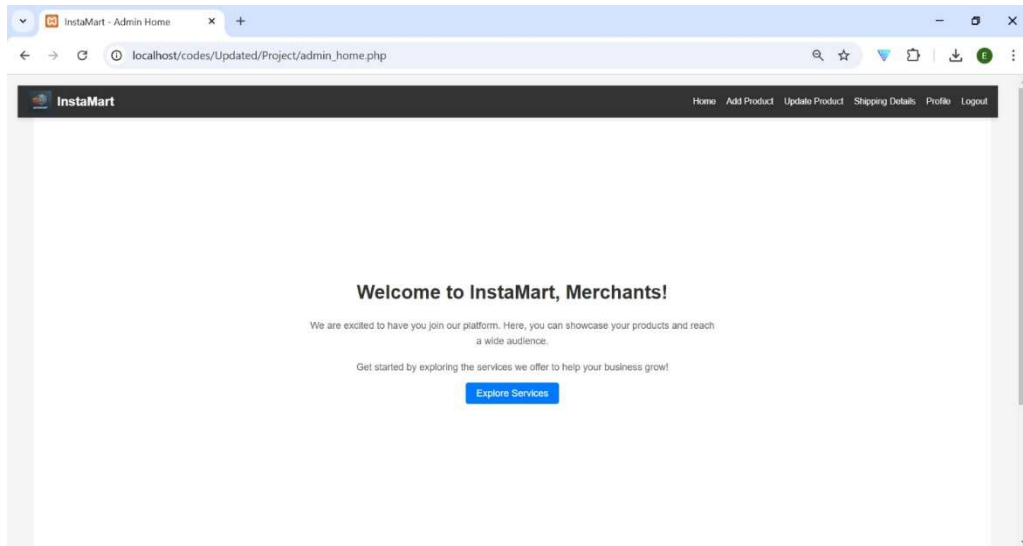
Created an interactive and secure checkout form with fields for payment details and order summary.

- **User Authentication:**

Worked on implementing secure registration/login functionality with session management for admin, buyers and sellers.

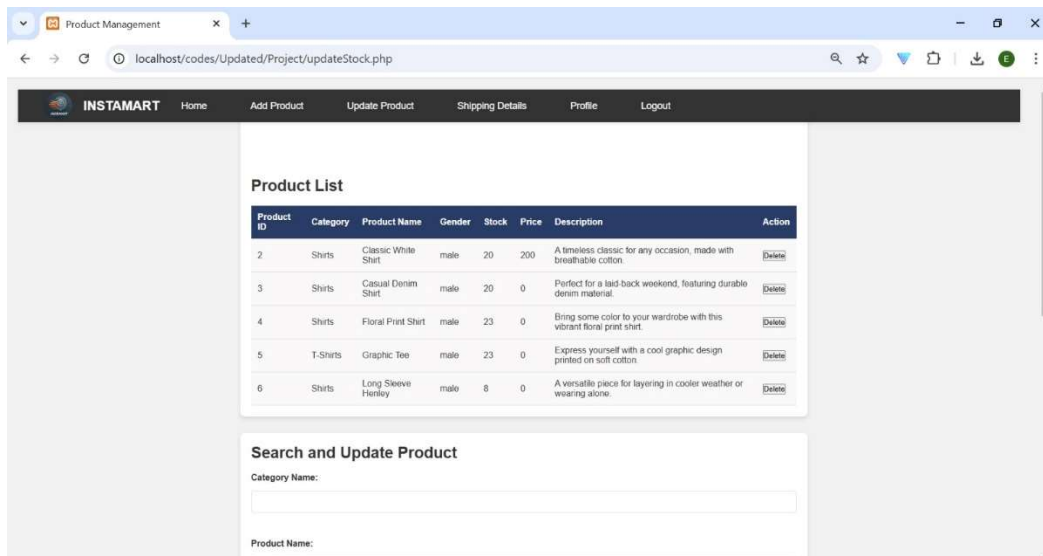
Screenshots of Functionalities:

1. **Admin homepage after login**



2. Products page for Merchant, where they can view and update their products:

This page provides a user-friendly interface for merchants to update and manage their products. It incorporates error handling, security, and a responsive layout, making it both functional and safe for use in an e-commerce context. The system is focused on product details like stock, price, and description, while offering the ability to delete products when necessary.



The screenshot shows a web browser window with the title 'Product Management'. The address bar displays 'localhost/codes/Updated/Project/updateStock.php'. The application's navigation bar includes 'INSTAMART', 'Home', 'Add Product', 'Update Product', 'Shipping Details', 'Profile', and 'Logout'. The main content area is titled 'Search and Update Product' and contains the following form fields:

- Category Name:
- Product Name:
- New Stock:
- New Price:
- New Description:

At the bottom of the form is a dark blue button labeled 'Update Product'.

3. Page for Merchant to add any new product:

This page provides a for merchants to add new products to an e-commerce platform. It handles form submission, validates input, performs database operations, and provides feedback to the user regarding the success or failure of the process.

The screenshot shows a web browser window with the title 'Product Form'. The address bar displays 'localhost/codes/Updated/Project/addStock.php'. The application's navigation bar includes 'INSTAMART', 'Home', 'Add Product', 'Update Product', 'Shipping Details', 'Profile', and 'Logout'. The main content area is titled 'Add Product' and contains the following form fields:

- Category Name:
- Product Name:
- Gender:
- Stock:
- Price:
- Description:
- Product Image: No file chosen

4.Shipping Details:


The Shipping Details feature in the application allows customers to enter, review, and manage their delivery information to ensure smooth and accurate shipment of their orders.

← → ↻ ⚠ Not secure instacart.42web.io/shippingDetails.php 🔍 ☆ M Relaunch to update : All Bookmarks

INSTAMART Home Add Product Update Product Shipping Details Profile Logout

Update Shipping Details

Order ID: 17
Current Shipping Status: Pending1



Product Name: Storage Containers
Description: Material: Plastic, glass, metal, or fabric Capacity: Ranges from small (500ml) to large (50L or more)
Price: \$30

Update Shipping Status:

Pending1

Update Shipping Details

Admin Profile:

The admin profile allows customers to manage their personal details, view order history, track deliveries, and update payment or shipping preferences. It enhances the overall user experience by offering a personalized shopping trip.

← → ↻ ⚠ Not secure instacart.42web.io/profile.php 🔍 ☆ M Relaunch to update : All Bookmarks

INSTAMART Home Add Product Update Product Shipping Details Profile Logout

Edit Profile

Update your personal information below.

Profile Image
Choose File No file chosen

Full Name
Manusha Jyasta

Email
manusha123@gmail.com

Phone Number
1234567890

Account Type
Merchant

Address
lees summit

City

Windows taskbar: 18° 9:07 PM 11/30/2024

Contact Us Submissions in Admin profile:

The **Contact Us Submissions** feature in the admin profile allows administrators to view and manage messages submitted by users through the "Contact Us" form on the website. This feature is crucial for customer support and communication management

instacart.42web.io/shippingDetails.php

Relaunch to update

All Bookmarks

INSTAMART

Home

Add Product

Update Product

Shipping Details

Profile

Logout

Contact Us Submissions

Name	Email	Reason	Description	Submitted At
Nani	Nani@gmail.com	Issue with all merchanntd	nlknlkb kbkbjbkb kbkbjbkb kjbkbkb mj jbkjik hj	2024-11-30 07:46:41
Nani	nani@gmail.com	jbkbj	bkjbkbjbkb kjbj hj Naniiii	2024-11-30 07:53:12
Nani	nani@gmail.com	jbkbj	bkjbkbjbkb kjbj hj Naniiii	2024-11-30 07:54:39
Nani	nani@gmail.com	jbkbj	bkjbkbjbkb kjbj hj Naniiii	2024-11-30 07:56:09
nanii	Nani@gmail.com	klkjkj	bkjbk kbkbkbk jhj	2024-11-30 07:56:32
nanii	Nani@gmail.com	klkjkj	bkjbk kbkbkbk jhj	2024-11-30 07:57:40
nanii	Nani@gmail.com	klkjkj	bkjbk kbkbkbk jhj	2024-11-30 07:57:44
jnkjbj	hkkj@gmail.com	nnknkjin bhj	jkbhj jjhkj n m, jk bhjbhj	2024-11-30 09:22:14
jnkjbj	hkkj@gmail.com	nnknkjin bhj	jkbhj jjhkj n m, jk bhjbhj	2024-11-30 09:22:42
Naniiii	nani@gmail.com	jknkjkj bju jbkj	jklbsa kbkuibkj d BBD eKAMBAR	2024-11-30 11:11:44
NNknk	Nani@gmail.com	kjnkjbhjb	jkjbkb kbkbjbkbj	2024-11-30 11:13:38
NNknk	Nani@gmail.com	kjnkjbhjb	jkjbkb kbkbjbkbj	2024-11-30 11:18:30
Nani	Nani1@gmail.com	lknlkn .kn,kkj	idsghjkl;ytcdcvkl;tfcvnmlpoiugfv uvgtfhjklaj	2024-11-30 11:19:00

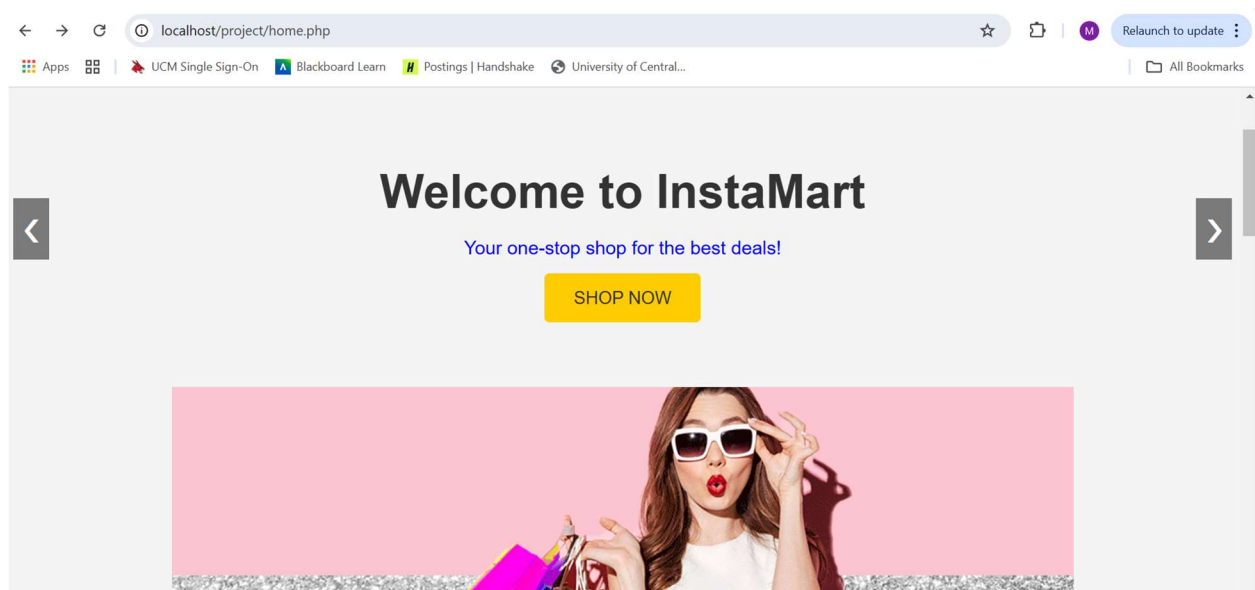
BUYER:

The E-Commerce Web Application is a user-friendly platform designed to enable online shopping. It allows users to explore a variety of products, browse categories, view featured items, and make secure purchases. The platform aims to provide a seamless shopping experience, ensuring ease of use, reliability, and security.

Buyer Homepage:

The Home Page is designed to showcase:

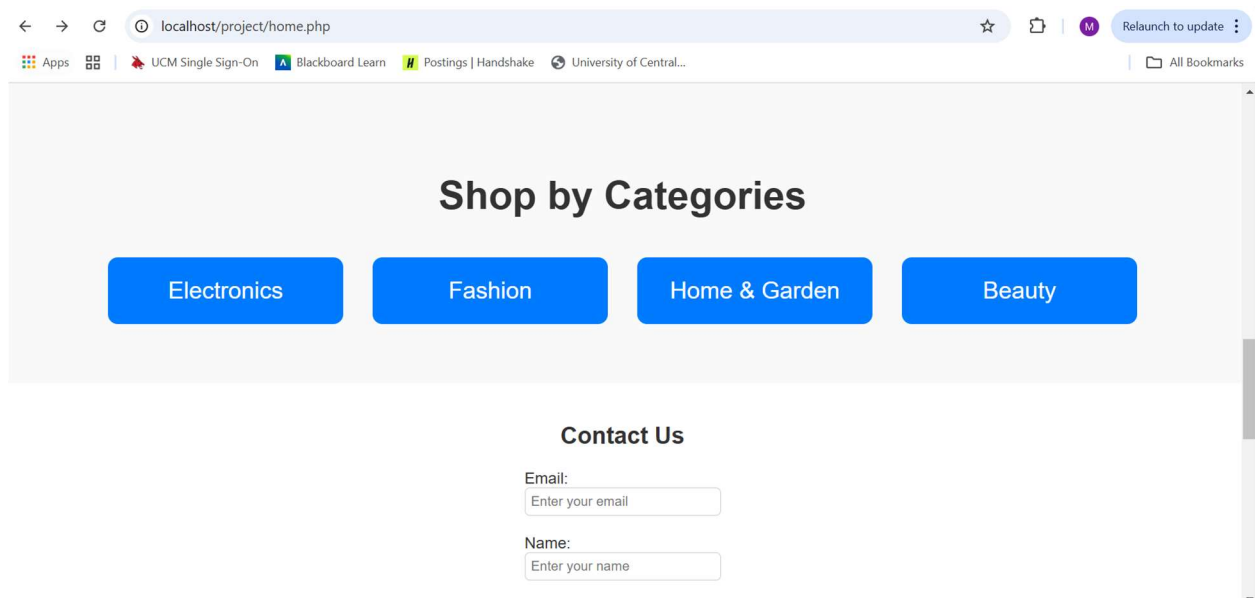
- Navigation Bar: Links to Categories, Contact Us, Login/Signup, and Cart.
- Featured Products: Display of popular and high-demand products.
- Search Bar: Allows users to quickly search for desired items.
- Promotional Banners: Highlighting discounts, special offers, and new arrivals.



Category section:

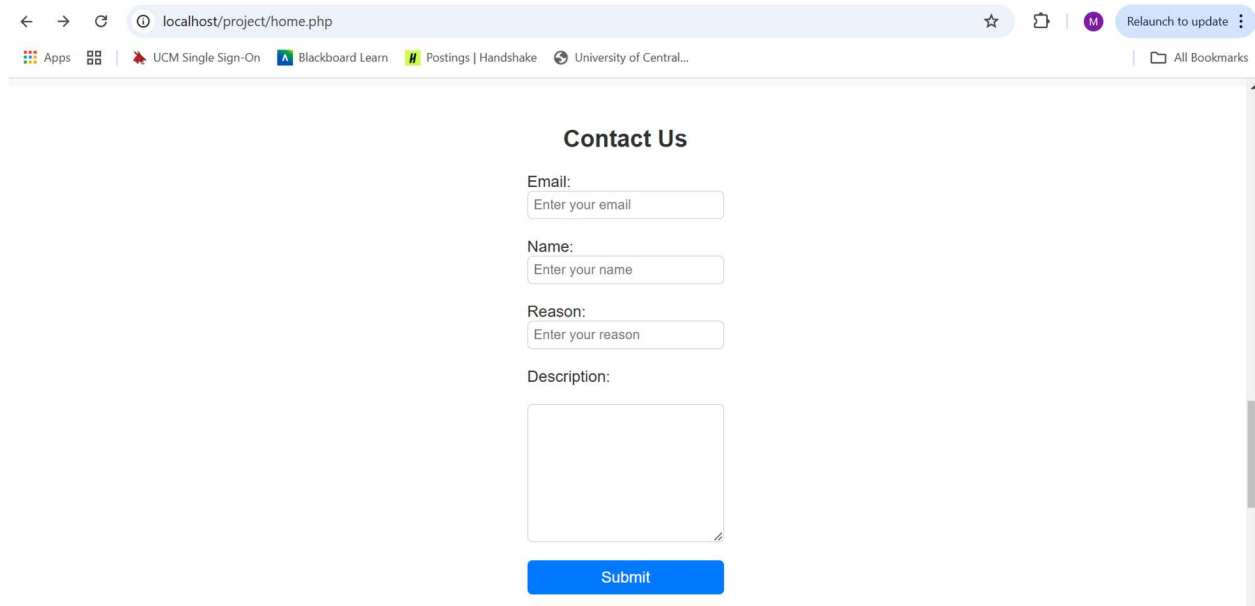
Products are grouped into categories such as:

- Electronics
- Fashion
- Home & Kitchen
- Beauty



Contact Us section:

- Contains a Contact Form for user queries.
- Fields: Name, Email, Subject, Message.

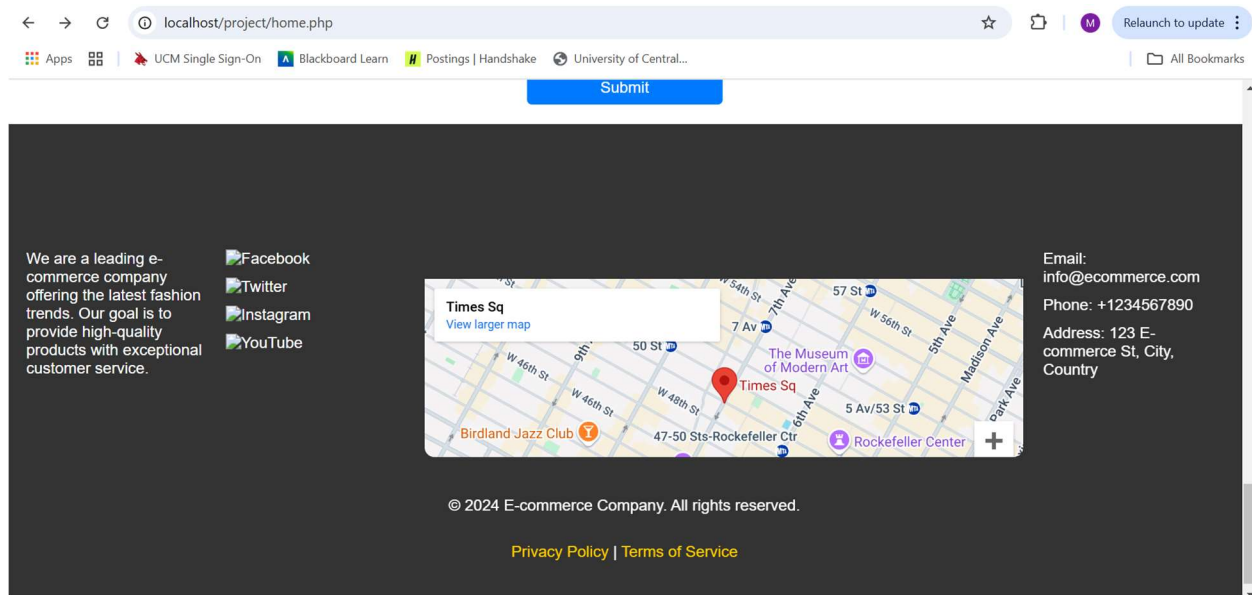


The screenshot shows a web browser window with the address bar displaying 'localhost/project/home.php'. The browser's toolbar includes navigation buttons, a star icon, a share icon, and a 'Relaunch to update' button. Below the toolbar, a row of application icons is visible, including 'Apps', 'UCM Single Sign-On', 'Blackboard Learn', 'Postings | Handshake', and 'University of Central...'. The main content area of the browser displays a 'Contact Us' form. The form has a title 'Contact Us' at the top. Below the title, there are four input fields: 'Email:' with a placeholder 'Enter your email', 'Name:' with a placeholder 'Enter your name', 'Reason:' with a placeholder 'Enter your reason', and 'Description:' with a larger text area. At the bottom of the form is a blue 'Submit' button.

Footer Section:

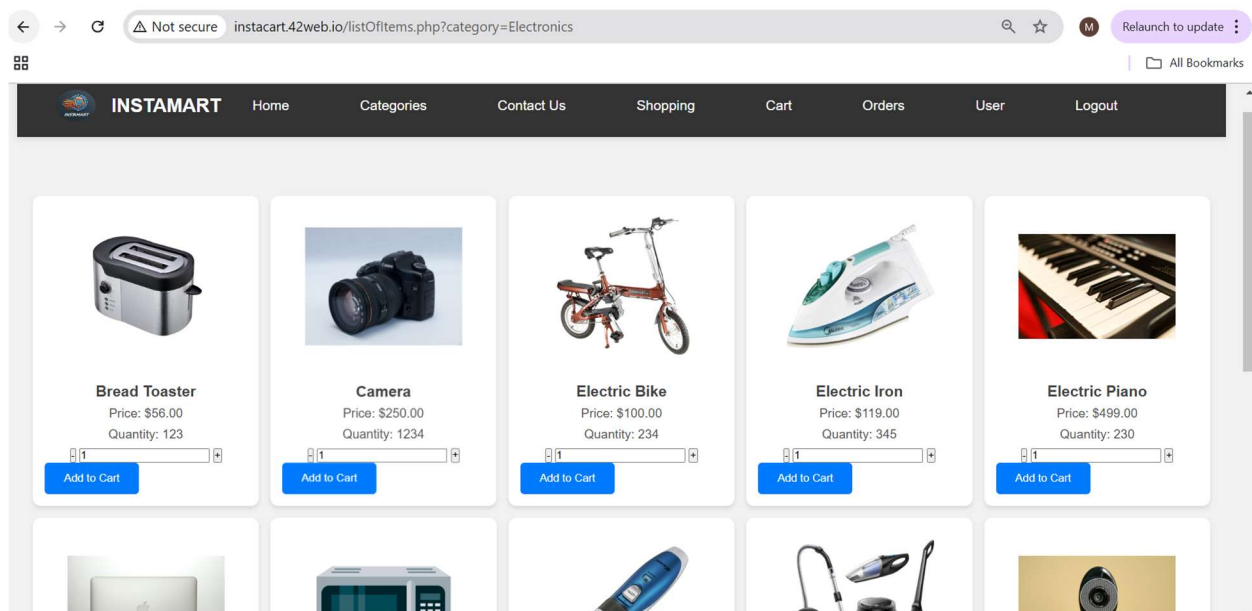
The Footer Section of the application provides essential information and quick access to various important links. It typically appears at the bottom of every page on the site. Here's what the footer section can include:

- Contact details including email, phone number, and links to social media accounts.
- Links to key pages such as Contact Us, About Us, and FAQs for easy navigation.
- A statement about copyright, along with links to legal documents such as Terms of Service, Privacy Policy, and Cookie Policy.
- Links to the company's social media profiles like Facebook, Instagram, Twitter, LinkedIn, etc.



Product display:

The shopping feature allows users to browse and discover products from a wide range of categories. Users can filter products by type, price, and popularity, ensuring a smooth and convenient shopping experience.

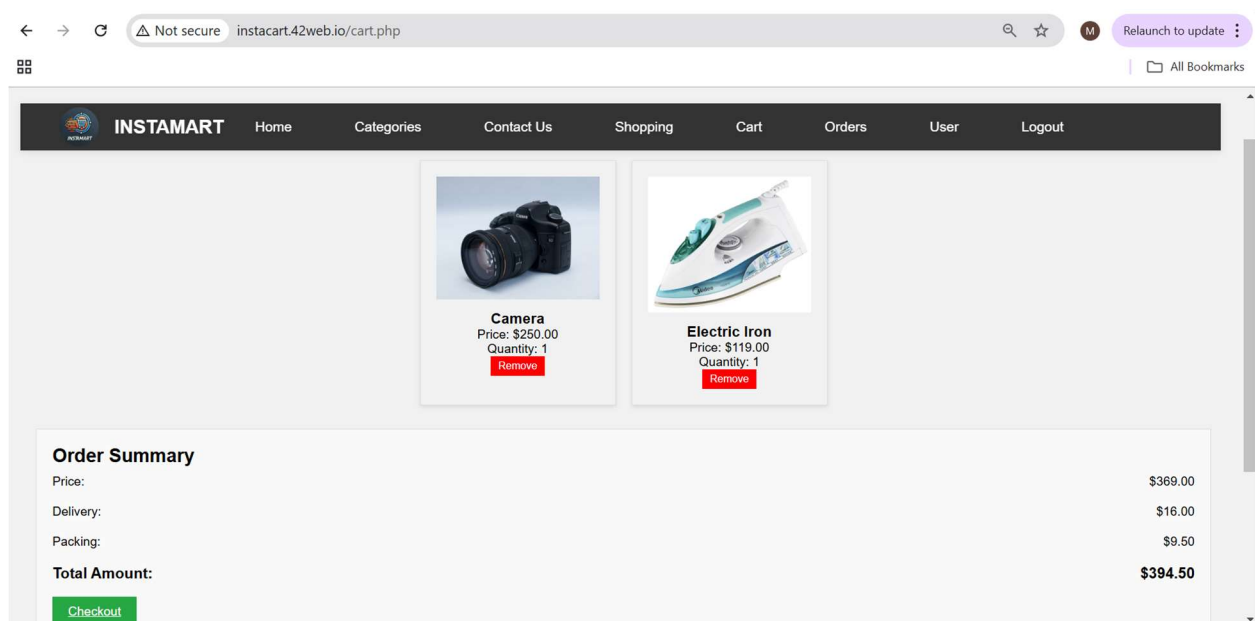


Cart:

The cart feature enables users to add products they wish to purchase, review item details, adjust quantities, or remove unwanted products. It provides a seamless transition to check out once they are ready to finalize their purchase.

Product Details: The name, price, and quantity of each item are displayed.

Remove Option: A button allows users to remove items from their cart.



Shipping details: The shipping details section collects the customer's shipping address and preferences, including delivery method and any special instructions. It ensures timely and accurate delivery of products.

The screenshot shows a web browser at the URL `instacart.42web.io/shopping_cart.php`. The page has a dark navigation bar with the INSTAMART logo and links for Home, Categories, Contact Us, Shopping, Cart, Orders, User, and Logout. The main content area is titled "Complete Your Order" and contains two sections: "Enter Delivery Address" and "Enter Payment Details". The "Enter Delivery Address" section has four input fields: "Address:" (containing "lees summit"), "City:" (containing "lees summit"), "State:" (containing "missouri"), and "Pin Code:" (containing "66209"). The "Enter Payment Details" section has one input field: "Card Number:" (containing "Enter your card number").

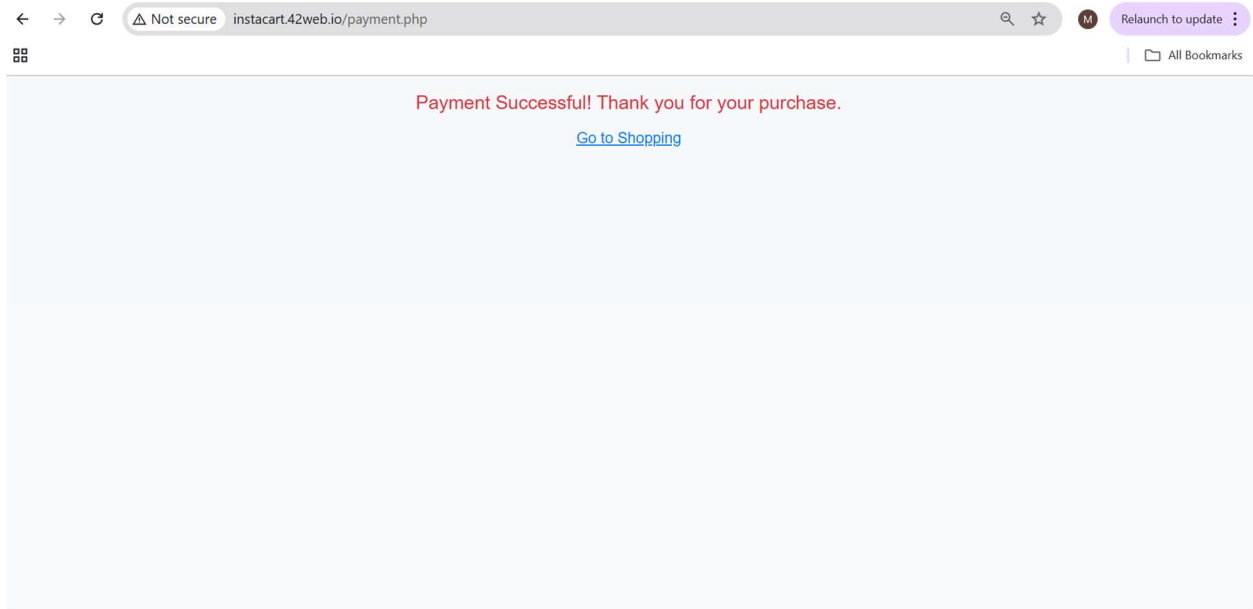
Card Details:

The Card Details feature in application allows users to securely save and manage their payment information for faster and easier checkouts. Users can add their credit or debit card details, including the card number, expiration date, and CVV, ensuring seamless transactions during future purchases.

The screenshot shows the same web browser, but the form is now titled "Enter Payment Details". It has four input fields: "Card Number:" (containing "66209"), "Cardholder's Name:" (containing "Enter cardholder's name"), "Expiry Date:" (containing "-----"), and "CVV:" (containing "Enter CVV"). A blue button labeled "Proceed to Checkout" is at the bottom of the form.

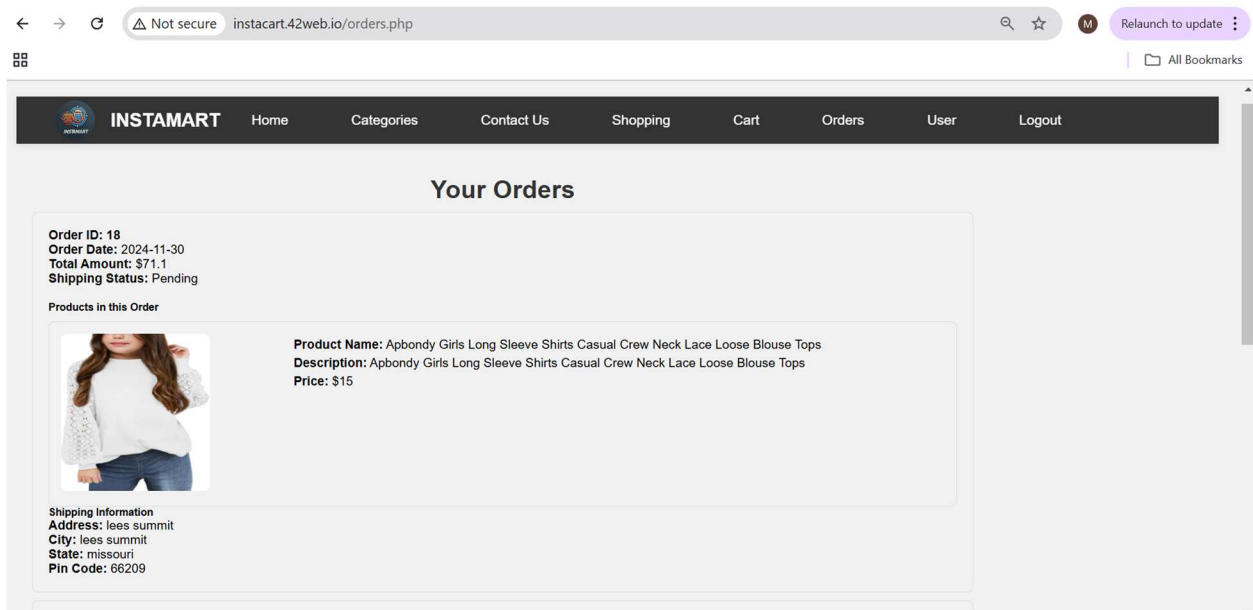
Order Success Message:

This message assures the user that their order has been processed and provides them with next steps. Let me know if you'd like any changes!



Orders:

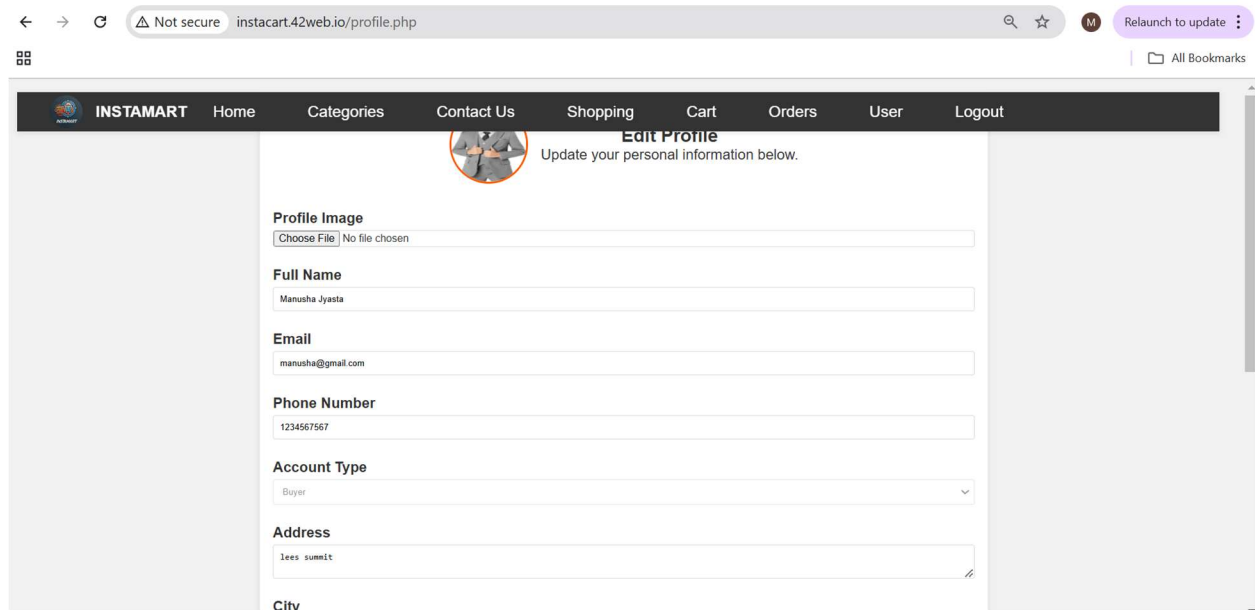
The Orders feature application allows users to view and manage their purchase history. It provides details of past and current orders, including the order status (e.g., processing, shipped, delivered), payment status, and tracking information. Users can also re-order items they've purchased before, making repeat purchases easy. This feature helps customers stay informed about the progress of their orders and ensures they can track shipments from purchase to delivery.



User Profile:

The user profile allows customers to manage their personal details, view order history, track deliveries, and update payment or shipping preferences. It enhances the overall user experience by offering a personalized shopping journey.

These short descriptions provide an overview of each feature in your e-commerce application. Let me know if you need any adjustments or more details!



The screenshot displays a web browser window with the URL `instacart.42web.io/profile.php`. The page features a dark navigation bar with the InstaMart logo and links for Home, Categories, Contact Us, Shopping, Cart, Orders, User, and Logout. The main content area is titled 'Edit Profile' and includes a sub-header 'Update your personal information below.' with a circular profile picture placeholder. The form contains several input fields: 'Profile Image' with a 'Choose File' button, 'Full Name' (Manusha Jyesta), 'Email' (manusha@gmail.com), 'Phone Number' (1234567567), 'Account Type' (a dropdown menu set to 'Buyer'), 'Address' (lees summit), and 'City'.

Conclusion:

The InstaMart project has successfully developed a comprehensive e-commerce platform that serves both merchants and buyers, facilitating seamless product management, order processing, and user interaction. Throughout the project, I contributed to the creation and enhancement of multiple functionalities, ensuring an intuitive and secure user experience for both customers and merchants.