

ASSIGNMENT

LEVEL 5

COMP50022 : Server Side Programming 2

IF23A1SE_IF2421SE

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INSTRUCTION TO CANDIDATES

- 1. Late submission will be awarded zero (0) unless extenuating circumstances (EC) are upheld.**
- 2. Cases of plagiarism will be penalized.**
- 3. The assignment should be submitted as softcopy via LMS**
- 4. All evidences related to the sprint implementation in group assignment must be show cased in the final documentation.**

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Acknowledgment

I would like to take this opportunity to express my sincere gratitude to our lecturer, Mr. Vipula Anandapiya, for his invaluable guidance throughout our coursework. His continuous encouragement and support have inspired us to think creatively and approach our work with innovation. We are truly thankful for his dedication and the knowledge he has imparted, which has significantly contributed to our learning experience.

Introduction

This documentation provides a comprehensive overview of the system I have developed for **Cloth-X**, a dynamic e-commerce platform that primarily focuses on clothing but also offers a variety of electronic products. The Cloth-X system is designed to manage product listings, handle customer orders, maintain user information, and facilitate seamless communication between customers and vendors.

Key features include inventory management, sales tracking, user authentication, vendor management, and order processing. The system also includes a powerful admin dashboard, where administrators have full control over the frontend and the entire website. Through the dashboard, admins can manage products, update content, oversee users, and handle orders using intuitive CRUD operations. This allows all aspects of the site to be dynamically updated and modified without altering the underlying code.

Additionally, upon completion of each order, an automatic email notification is sent to the customer confirming the dispatch, along with the relevant order details, using Mailtrap for email testing. This document outlines the objectives, features, and architecture of the Cloth-X system, concluding with a system presentation and relevant screenshots to provide a clear understanding of its functionality.

Link to the Mind Map : <https://gitmind.com/app/docs/m6xufr9o>

Link to the GitHub Repo : <https://github.com/ChizzyDizzy/ClothX-Ecommerce-Laravel>

System Objectives

Main Goals of this system

Optimize Inventory management: Implement an efficient inventory/stock management system to keep track of the orders of the customers ensuring the highest customer satisfaction. Implement real time tracking of the products as well.

Streamline Delivery: Delivering the customers requested products to their desired location

Enhance Customer Engagement: Enhance Customer Engagement with flash sales, flash deals, coupons to redeem like any usual ecommerce site would have

Implement dashboards to control the website: Implement admin dashboard and vendor dashboard and another dashboard for the user, allow the admin to control the website's frontend with ease using the dashboard dynamically with crud operations

Track Sales: Generate statistics of sales data with Admin and Vendor dashboards to keep track of the products in a more organized manner

Gather customer purchase and order data: Make sure the admin and the vendor can see details about the purchases that came from the products that they listed

User Authentication: Implement robust user authentication with validations for all three types of users

Dynamically active: Make the website dynamic as possible to control the frontend with ease using the website itself in Realtime

Chat System: Implement a chat system to increase customer engagement between the admin and the vendor's allowing a more robust CRM model to be implemented

Target Audience

The target audience of this project is the general public and it will have its focus primarily on three types of user (normal user, vendor, admin) with each of those users having their own dashboard for ease of access.

System Architecture

Backend Architecture

The backend of the Cloth-X website is built using Vanilla Laravel, offering a flexible and powerful system for managing business logic, data, and user interactions. By leveraging Laravel's core MVC (Model-View-Controller) structure, jQuery DataTables, JavaScript, and MySQL, the backend efficiently handles CRUD operations, while Toastr.js is used for custom notification and validation feedback, enhancing user experience.

Vanilla Laravel Framework (Without Breeze or Jetstream):

The Cloth-X backend is developed using Vanilla Laravel, excluding starter kits like Breeze or Jetstream. This allows for a more tailored and custom approach to handling routing, authentication, and database operations. Laravel's modular architecture ensures a clean and maintainable codebase, with all dynamic content and logic handled through controllers and Eloquent models.

Laravel's routing system directs incoming HTTP requests to appropriate controllers, handling the application logic for product management, user accounts, and order processing.

MySQL Database (Powered by Laragon):

MySQL is used to manage all relational data for the website, including products, users, orders, vendors, and transactions. Laravel's Eloquent ORM (Object-Relational Mapping) handles all database queries in an efficient manner, translating PHP objects into MySQL records, eliminating the need for raw SQL.

Laragon provides an easy-to-use local development environment, streamlining database management during development, and enabling seamless connection to MySQL with minimal setup.

CRUD Operations:

Laravel powers the backend CRUD (Create, Read, Update, Delete) operations, managing all key aspects of the e-commerce platform, such as adding, editing, and removing products, managing user accounts, and handling customer orders. These operations are tightly integrated with the frontend using Laravel's built-in routing and form handling.

Each action, whether updating a product or managing orders, is handled by Laravel controllers that interact with Eloquent models to perform efficient database operations.

Toastr.js Custom Validations:

Toastr.js is integrated into the backend to provide custom real-time notifications for validation errors and success messages. This offers a more user-friendly experience with clear visual feedback, informing users of successful actions (e.g., product added successfully) or errors (e.g., invalid input).

Toastr.js provides non-intrusive pop-up notifications, making it easier for admins and users to interact with forms and data operations without page reloads.

Default Laravel validations are still used in the backend to ensure that the data submitted by users complies with defined rules (e.g., required fields, valid email formats). However, instead of Laravel's default error messages being shown on the page, validation results are passed to Toastr.js to provide interactive alerts.

JavaScript and jQuery DataTables:

jQuery DataTables are employed to manage and display data dynamically, particularly for admin panels, product listings, user information, and orders. DataTables offer interactive features like sorting, filtering, and pagination, enhancing the usability of large datasets.

Custom JavaScript is used to integrate DataTables with the Laravel backend, enabling real-time updates without page reloads, especially in cases of managing orders or updating inventory.

AJAX for Asynchronous Operations:

Asynchronous operations are handled using AJAX to make the website more interactive and improve overall performance. AJAX allows for seamless data updates (such as adding items to the cart, updating product quantities, or managing orders) without requiring full page refreshes. AJAX requests communicate with Laravel controllers, which return JSON responses that are used to update the frontend dynamically, ensuring smooth and efficient user interactions.

Authentication and Authorization (Custom Implementation):

A custom-built authentication system is implemented using Laravel's default authentication scaffolding without Breeze or Jetstream, giving the developers greater flexibility in how user login, registration, and access control are handled.

Role-based access control (RBAC) is used to manage different user roles (such as customers, vendors, and admins), with Laravel's middleware enforcing route-based permissions, ensuring that only authorized users can access certain backend features.

Database Migrations and Seeders:

Laravel's migration system is used to manage the database schema, allowing for easy updates to the database structure as new features are added. Migrations handle the creation and modification of database tables for products, users, orders, and other key entities.

Seeders are used to populate the database with initial or testing data, facilitating local development and debugging.

Security (Validation and Encryption):

While Toastr.js handles frontend validation feedback, Laravel's default validation rules ensure that the backend receives properly validated data, preventing any malformed or harmful input from affecting the database.

Laravel's native encryption and hashing mechanisms (e.g., bcrypt for passwords) are used to secure sensitive information, ensuring compliance with industry-standard security practices.

Error Handling and Logging:

Laravel's built-in error handling mechanisms ensure that any issues encountered in the backend are properly logged and communicated to the developer. Detailed error messages are logged in the server logs, while users are shown user-friendly error pages (such as 404 or 500 error pages). Toastr.js can also be used to show custom error messages to the user, providing real-time feedback in case of any issues during form submissions or operations.

File Storage and Media Management:

Laravel's file storage system is used for managing media uploads, such as product images. Files are stored in a designated storage folder, with provisions to scale to cloud storage services like Amazon S3 in the future if required.

Media handling is streamlined with AJAX, allowing for faster uploads and instant previews of images on the frontend.

Cross-Browser Compatibility and Optimized Performance:

The backend is optimized for performance and cross-browser compatibility, ensuring that users across different platforms (Chrome, Firefox, Safari, Edge) can interact with the website without issues.

Backend processes like database queries, pagination, and form submissions are optimized to ensure smooth operation even as the website scales.

Frontend Architecture

Tailwind CSS and CSS: The interface was built on mainly tailwind CSS and general CSS styling to achieve unity throughout the design.

Font Awesome : Font Awesome is integrated into the frontend to provide a rich set of scalable vector icons. Icons are used across various elements, such as buttons, navigation menus, social links, and product ratings, enhancing the website's usability and aesthetic appeal.

Vite.Js and JavaScript: Vite js and general java script was used mainly to indicate number of orders and the number of wish listed items as well as showcase subjects that are functional on the frontend of the website.

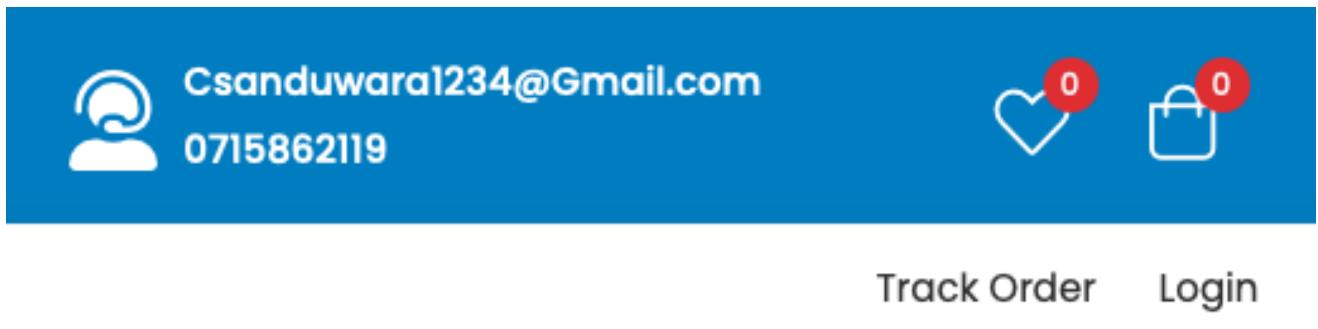


Figure 1

Sweet Alert Package: SweetAlert is used to show popup dialog boxes in the website

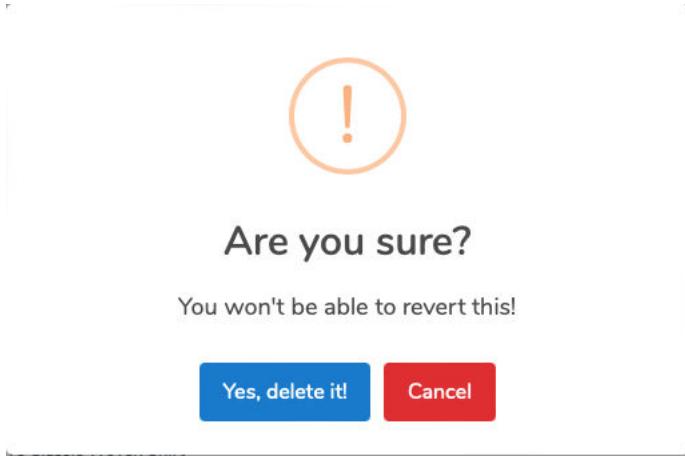


Figure 2

Toastr: toastr package is used to show validations and success messages and error messages



Figure 3

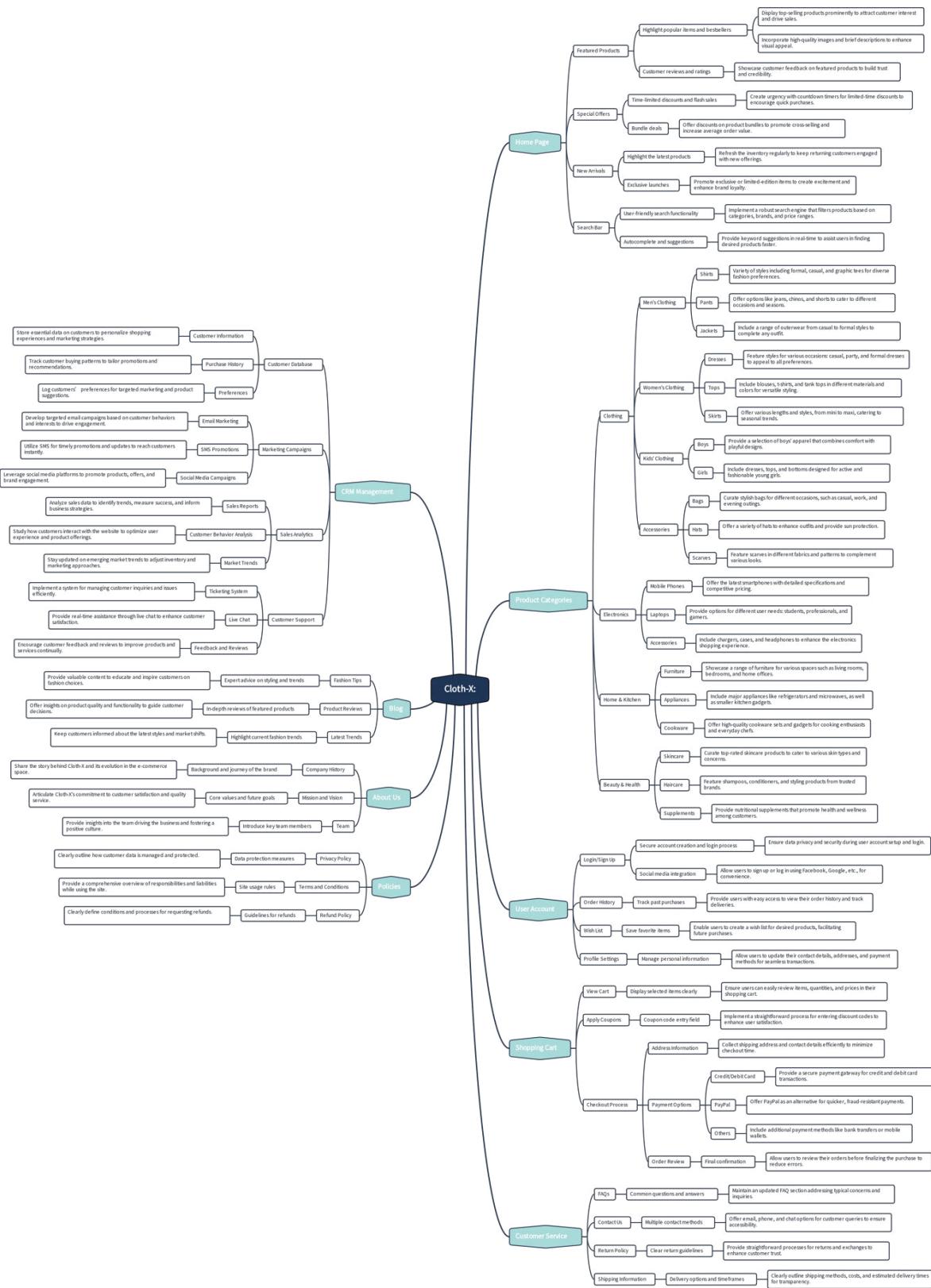
Entity-Relationship Diagram of the website



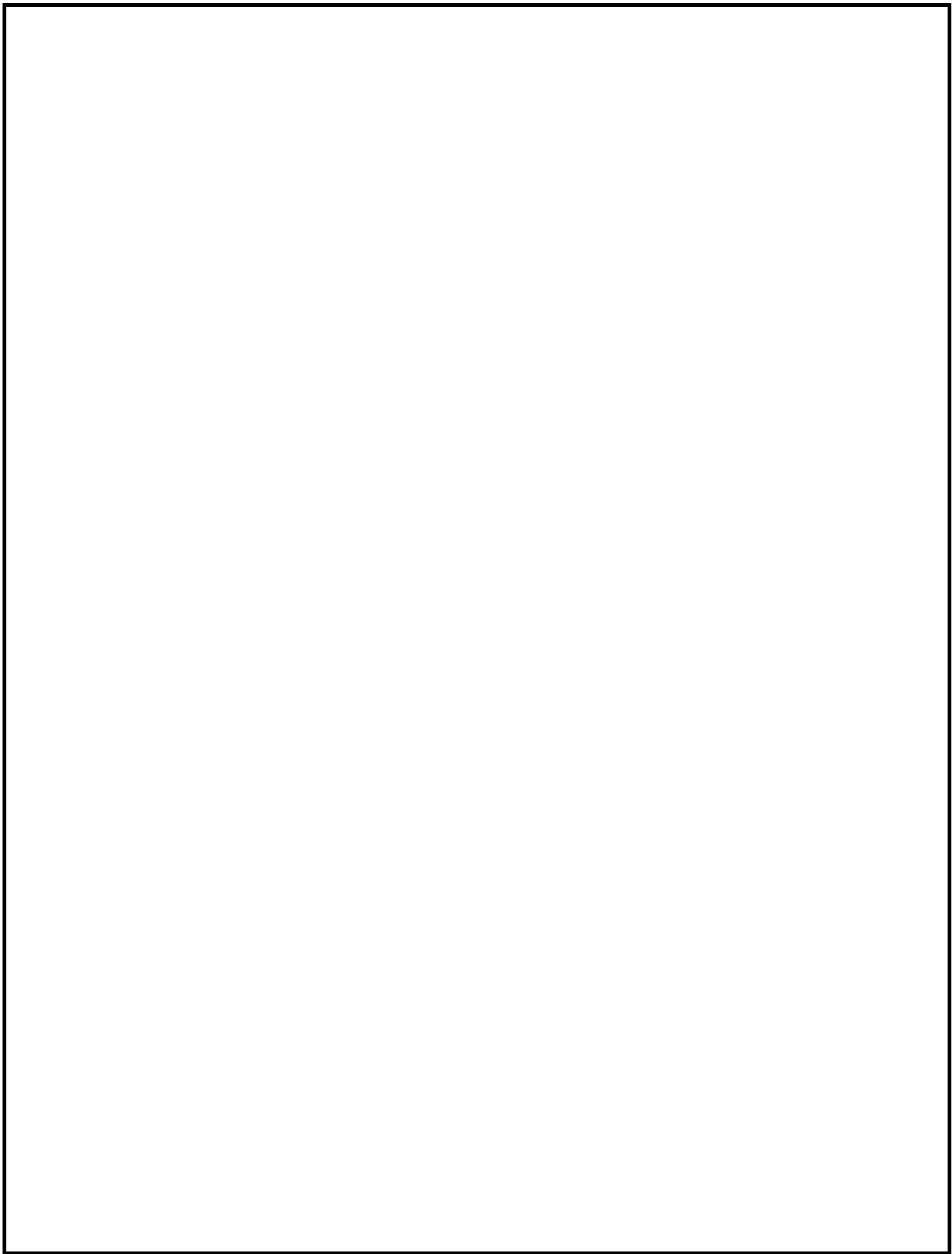
ER DIAGRAM

note: this diagram was made based on the MySQL database of the website to get a more accurate diagram

Mind Map for the website



Mindmap



System Features

User Features:

- **Cart Features** – add to cart, select quantity, view cart, proceed to checkout, apply coupon codes, keep shopping, view total cart price, view product details through the cart, choosing the shipping method and clear cart features are included in the cart features.
- **Checkout Screen** – Select address that the user has already added in their account dashboard, add a new address through the checkout screen, selecting the delivery method and placing the order are available on the checkout screen feature.
- **Payment Getaways** – user can choose to pay for the product through PayPal, stripe, razor pay or cash on delivery and it will show the order summary on the payment getaways screen.
- **Order Tracking** – Order tracking with the order invoice ID, shopping by(Shows who bought the product), Status of the order, tracking of the order, user can track the order with 4 steps || --- Pending --- Order Processing --- On The Way --- Delivered.
- **Coupon System** – User can use coupon codes set out by the admin to get a discount when purchasing an item.
- **User Authentication** – User authentication is done with custom **toastr** validations and email verification have been done using mail-trap.
- **Flash Sale** – User can use the flash sale section to buy items on a discounted price set by the admin from the admin dashboard.
- **Buy Products from Different Vendors:** User can buy different products from different vendors throughout the site
- **User Dashboard Features:** User is able to access their own dashboard, this dashboard has order tracking, viewing reviews and viewing wish-listed items at one place, user can also add multiple addresses for their own convenience to buy products easier, user can edit their own user profile and also the user can request to be a vendor from the dashboard after filling out an application (if it is approved by the admin user can become a vendor and sell products on their own vendor shop). User can also head back to the homepage using the “go to homepage” button from the dashboard
- **Chat System:** There is a chat system implemented in the dashboard, allowing the users to chat with either vendors or the admin thus providing a better customer care service.
- **Subscription Service:** User can subscribe to the newsletter and the admin can send email to all the subscribed users (this is done through mailtrap)

Vendor Features:

- **Vendor Dashboard Features:**

Vendor can track sales, orders, earnings, reviews and listed products from their own dashboard.

Vendor is able to list products for their own vendor shop in the “vendors section” of the website (**but this must be approved by the admin beforehand otherwise it will not show up**).

Vendor is able to delist products that they listed from their dashboard as well as view the approval status of the listing.

Vendor is able to read the reviews that they gotten for their listed products through the “Review” Section from the dashboard.

Vendor is able to make withdraw request to withdraw the money they earned form their product listings through their dashboard.

Vendor is able to edit their shop profile from the vendor dashboard.

Vendor is able to edit their own profile from the vendor dashboard.

Vendor is able to head to the homepage by clicking on the “Go To Home” button.

- **Chat System:** Vendor can chat with their customers (users) via the chat system using their dashboard to provide a more satisfying customer care experience to their customers (users).

Admin Features:

- **Admin Dashboard Features:**

Tracking: todays orders, todays pending orders, total orders, total pending orders, total canceled orders, total complete orders, today's earnings, this month earnings, this year's earnings, total reviews, total brands listed, total categories, total blogs, total subscribers, total vendors, total users.

Manage categories: Admin can do crud operations on the categories and it would affect the website's frontend dynamically.

Manage products: Admin can do crud operations on brands, products, seller products (vendor-listed-products), seller pending products, product reviews.

Manage orders: Admin can do crud operations on every type of orders such as all orders, pending orders, canceled orders, processed orders, dropped off orders, shipped orders, out for delivery orders, delivered orders, canceled orders.

Manage transactions: Admin can do view all the transactions that has been gone through the website in detail.

E-Commerce Related Functions: Admin can put up flash sales, coupons, set shipping rules, edit vendor profile, change payment settings all through the admin dashboard.

Manage withdraw: Admin can create new withdraw methods or delete the existing ones or view the existing withdraw methods, admin can approve or deny the vendor's withdraw requests.

Manage website: Admin can do crud operations on the website's frontend appearance with this section (editing slider, home page layout, Vendor Conditions, About page and the terms page).

Manage advertisements: Admin can edit each advertisement and put up new advertising if needed through the website dynamically.

Manage blog: Admin can manage the blog by adding new blog categories, publishing new blogs and admin can also handle and view the blog comments.

Manage Footer Settings: even the footer is made with crud operations to appear on the frontend in this website so the admin can change the footer even dynamically.

Manage users: Admin can view all type of users from the admin dashboard and set their status to active or not.

Manage subscribers: Admin can view all the newsletter subscribers from the admin dashboard and view whether they have a verified account or not and also able to send emails or newsletter to every subscriber of the platform.

- **Chat System:** Admin can text users to provide a better customer care service from the admin dashboard.

Screenshots of the website

Home Page

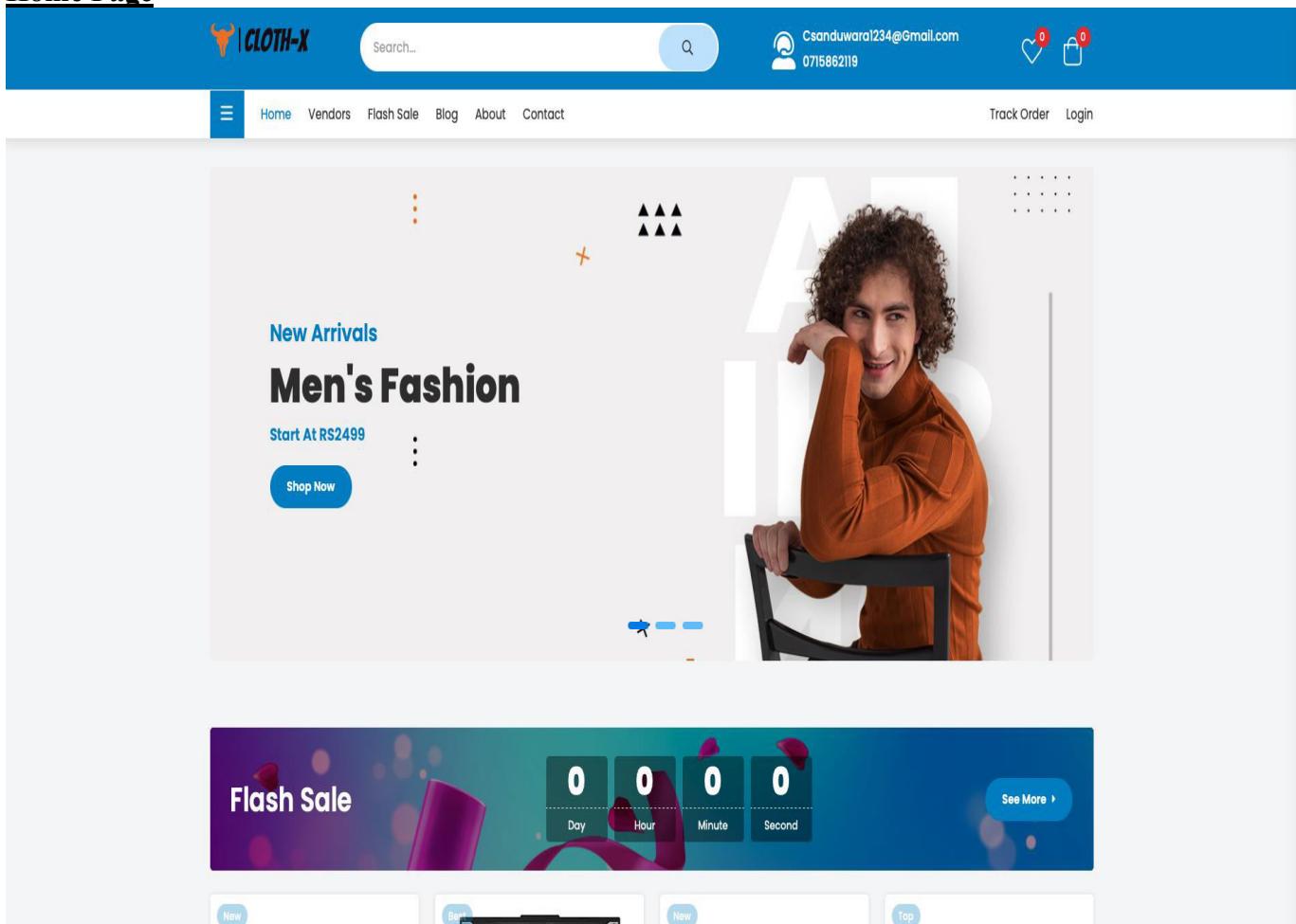


Figure 4

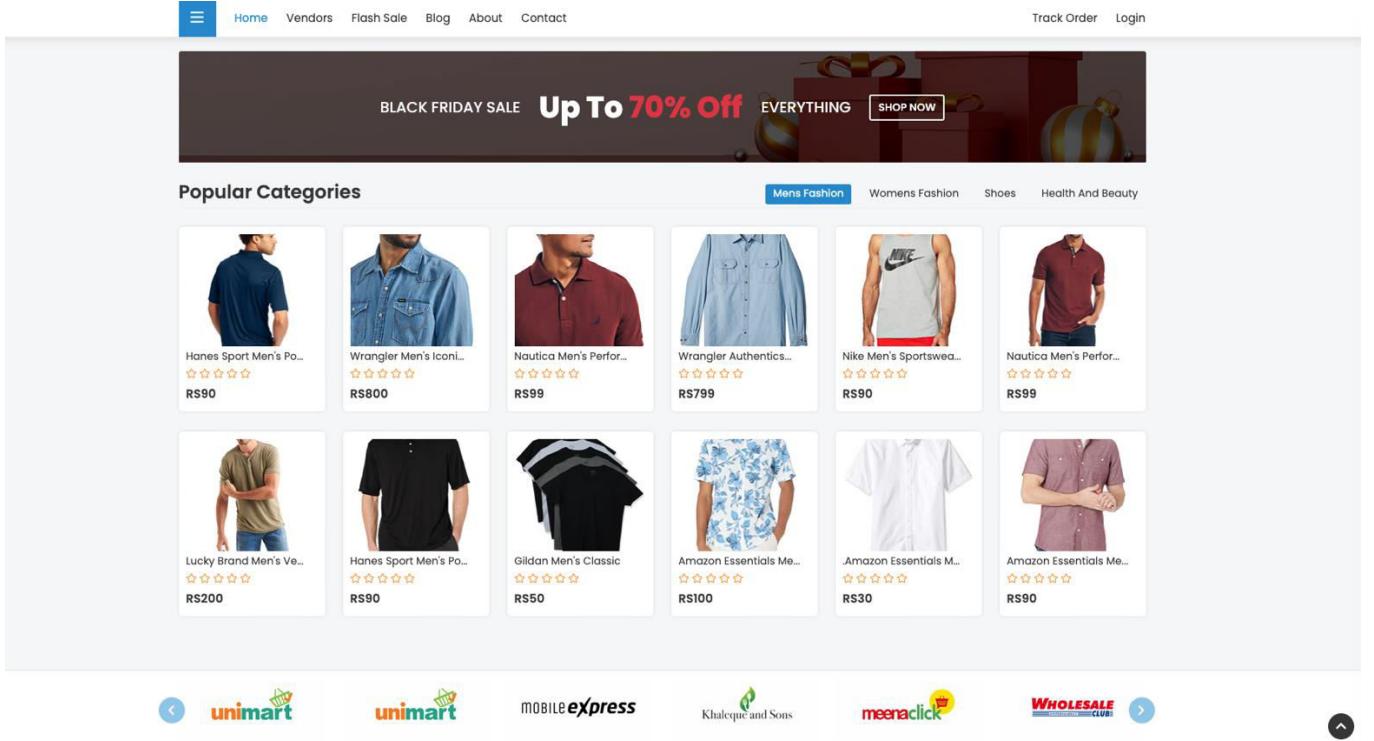


Figure 5

Footer

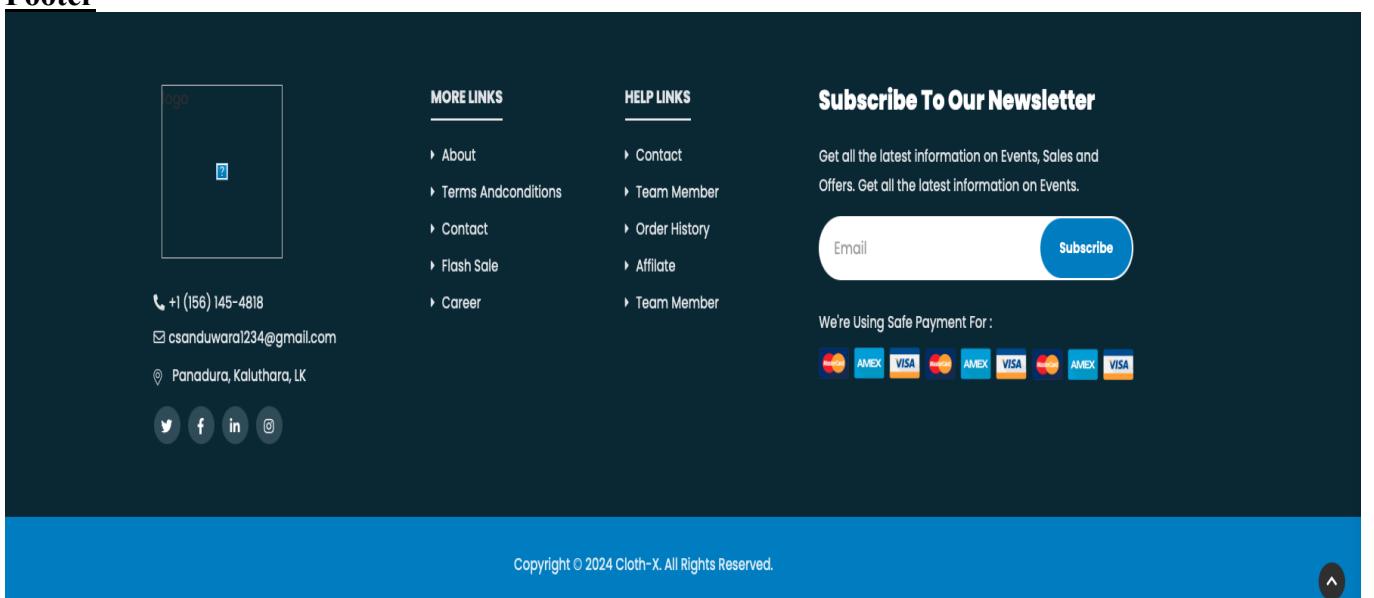


Figure 6

Login Page

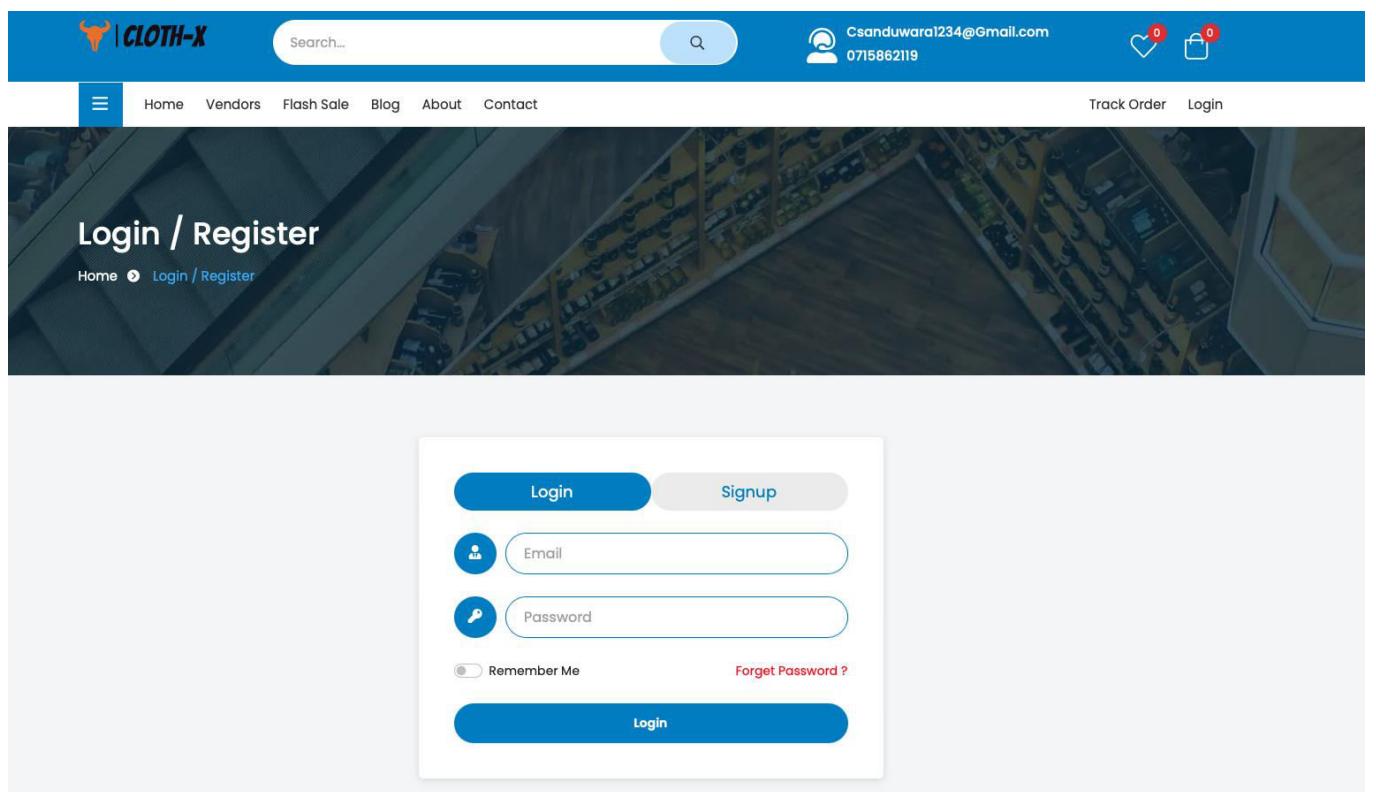


Figure 7

Signup Page

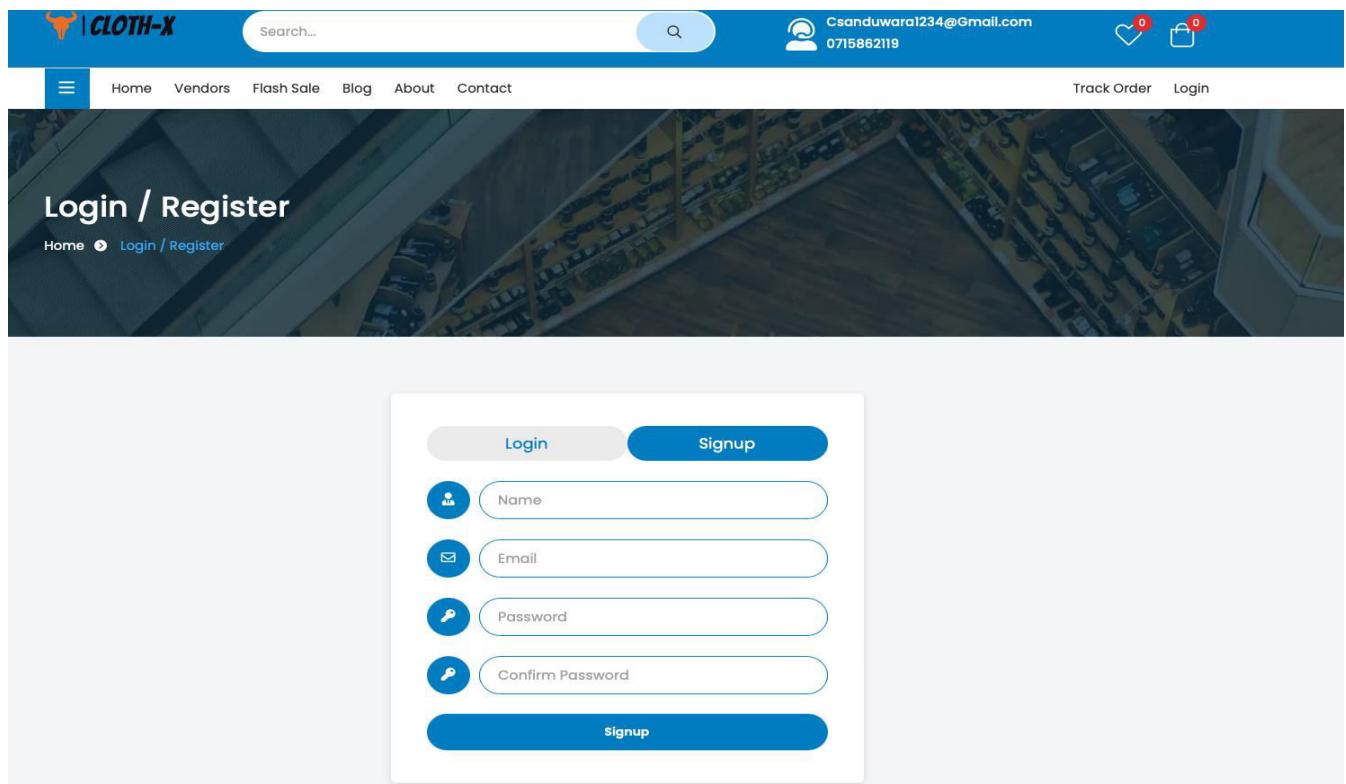


Figure 8

Order Tracking Page

The screenshot shows the Cloth-X website's order tracking interface. At the top, there is a blue header bar with the Cloth-X logo, a search bar, user account information (email: Csanduwaral234@gmail.com, phone: 0715862119), and notification icons for heart and cart. Below the header, a navigation menu includes Home, Vendors, Flash Sale, Blog, About, Contact, Track Order, and Login. The main content area features a dark background image of a clothing store interior. A central white box contains the "Order Tracking" title and subtitle "Tracking Your Order Status". It has a form field for "Invoice Id*" containing the value "H25-21578455" and a blue "Track" button.

Figure 9

Order Status Page

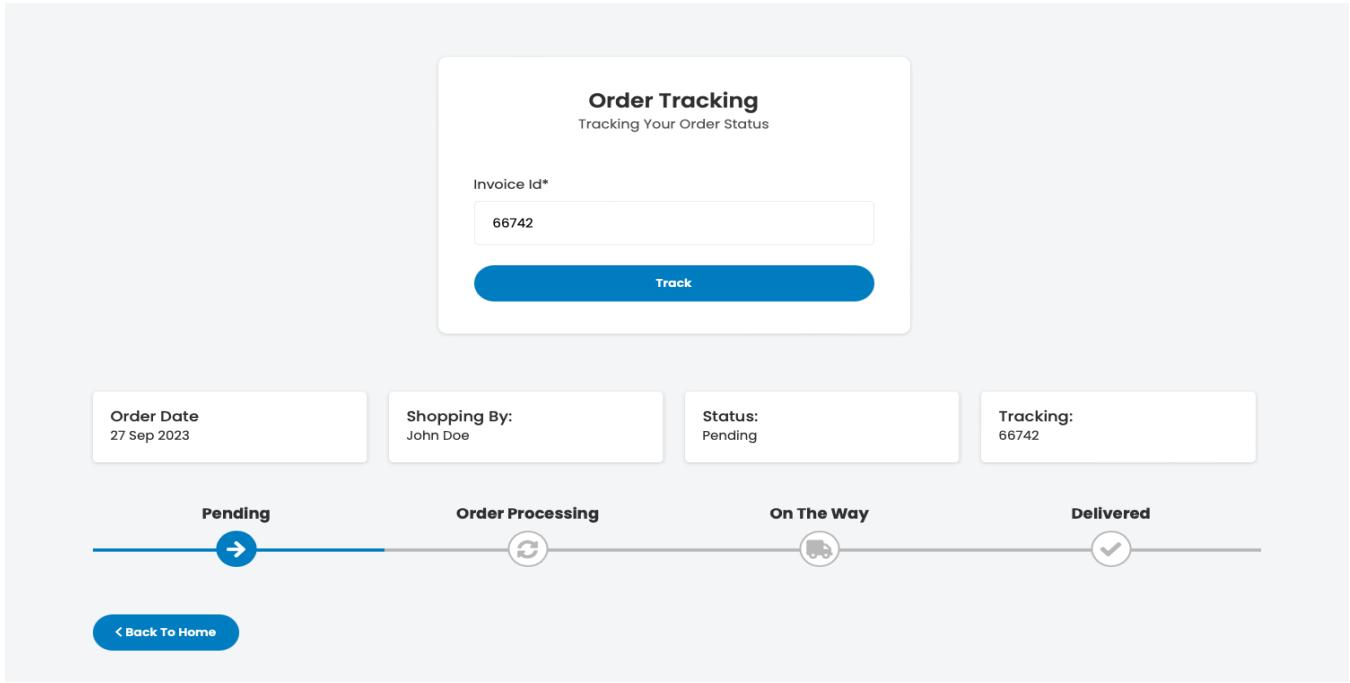


Figure 10

Vendors Page

The screenshot displays a website's Vendors page. At the top, there is a navigation bar with links for Home, Vendors (which is the active page), Flash Sale, Blog, About, Contact, Track Order, and My Account. The main content area features a banner with the word "Vendors" and a navigation link from "Home" to "Vendors". Below the banner are four vendor profiles arranged in a 2x2 grid:

- Admin Shop**
+8801980000000
admin@gmail.com
[Visit Store](#)
- Vendor Shop**
12321312
vendor@gmail.com
[Visit Store](#)
- TopShop**
+1 (125) 132-4566
belij@mailinator.com
[Visit Store](#)
- Daily Need**
23423423412
test@gmail.com
[Visit Store](#)

Figure 11

Flash Sale Page

The screenshot shows the CLOTH-X website interface during a flash sale. At the top, there's a blue header bar with the logo 'CLOTH-X' featuring a bull icon, a search bar, user information (Csanduwaral1234@gmail.com, 0715862119), and notification icons for 3 messages and 0 items in the cart.

The main content area has a large banner image of a store interior. Overlaid on the left is a dark overlay with the text 'Flash Sale' and a breadcrumb navigation: Home > Flash Sale.

The central section is titled 'Flash Sell' and displays four product cards:

- New:** DJI Osmo Action 3 Standard Combo, Waterproof Action Camera. Price: RS300.
- Top:** GoPro HERO11 Black - Waterproof Action Camera With 5... Price: RS219.
- Best:** Insta360 ONE RS 4K Edition – Waterproof 4K 60fps Act... Price: RS400 (Original Price: RS500, -20% off).
- New:** ASUS ROG Strix G16 (2023) Gaming Laptop, 16" 16_10 F... Price: RS3000.

A timer at the top right indicates the sale ends at 00:00:00.

Figure 12

Product Master Details Page

The screenshot shows a product master details page for a DJI Osmo Action 3 Standard Combo, Waterproof Action Camera With 4K HDR. The page has a blue header with the logo 'CLOTH-X' and a search bar. The main content area features a large image of a person using the camera underwater, with a '16m Waterproof' badge. Below the image, the product name is displayed in bold. A status indicator 'In Stock (998 Item)' is shown, followed by the price 'RS300'. A star rating section indicates '0 review'. A brief description highlights the camera's suitability for beginners and its 24.1 Megapixel sensor. Quantity selection, an 'Add to Cart' button, and social sharing icons are also present. The brand is identified as 'DJI'. The background of the page shows a blurred view of a supermarket aisle.

DJI Osmo Action 3 Standard Combo, Waterproof Action Camera With 4K HDR

In Stock (998 Item)

RS300

☆☆☆☆☆ (0 review)

Perfect for beginners, this camera bundle offers the essential tools needed to take your SLR skills to new heights, all in one convenient package. No matter where your next adventure takes you, count on the EOS Rebel t7's impressive 24.1 Megapixel

Quantity :

[ADD TO CART](#)

Brand : DJI

Figure 13

About Page

The screenshot shows the Cloth-X website's About page. At the top, there is a blue header bar with the Cloth-X logo, a search bar, and user account information (Csanduwaral234@gmail.com, 0715862119). Below the header is a navigation menu with links to Home, Vendors, Flash Sale, Blog, About (which is highlighted in blue), and Contact. To the right of the menu are links for Track Order and My Account. A shopping cart icon indicates 3 items. The main content area has a dark background image of a store interior. The title "About" is displayed prominently. Below the title, the breadcrumb navigation shows "Home > About". The "About us" section starts with the heading "About us" and the sub-section "About Cloth-X". It includes a welcome message, a mission statement, and a note about product updates. Finally, it thanks the customer for choosing Cloth-X.

About

Home > About

About us

About Cloth-X

Welcome to Cloth-X, your go-to destination for all things fashion and beyond! At Cloth-X, we are passionate about helping you express your personal style with high-quality clothing that fits every occasion. From the latest fashion trends to timeless wardrobe staples, our carefully curated collection offers something for everyone. But we don't stop there! In addition to our extensive clothing line, we also offer a variety of electronics and accessories, making us a one-stop shop for all your lifestyle needs.

Our mission at Cloth-X is simple: to provide our customers with an unbeatable shopping experience that combines affordability, quality, and convenience. Whether you're refreshing your wardrobe or upgrading your tech, our platform makes it easy to discover great products, all in one place. We take pride in delivering excellent customer service, fast shipping, and a seamless online shopping experience.

At Cloth-X, we're committed to expanding our range to cater to your evolving needs, and we are constantly updating our product offerings to ensure you get access to the latest and greatest in fashion and electronics.

Thank you for choosing Cloth-X—where style meets innovation!

Figure 14

Contact Page

The screenshot shows the 'Contact Us' page of a website. At the top, there is a blue header bar with the logo 'CLOTH-X' (featuring a stylized orange bull icon), a search bar, and user account information ('Csanduward1234@gmail.com' and '0715862119'). Below the header is a navigation menu with links to Home, Vendors, Flash Sale, Blog, About, and Contact. To the right of the menu are 'Track Order' and 'My Account' links. A red notification badge with the number '3' is visible above the 'Track Order' link, and a blue notification badge with the number '0' is visible above the 'My Account' link. The main content area has a dark background image of a clothing store interior. The title 'Contact Us' is displayed prominently. Below the title, there are three contact sections: 'Mail Address' (with an envelope icon) containing the email 'csanduward1234@gmail.com'; 'Phone Number' (with a phone icon) containing the number '0715862119'; and 'Contact Address' (with a location pin icon) containing the address 'no.261/2, thanthirimulla,panadura'. To the right of these sections is a form titled 'Send Us A Message' with fields for 'Your Name', 'Email', 'Subject', and 'Message'.

Figure 15

Blog Page

The screenshot shows the CLOTH-X website's blog section. At the top, there is a blue header bar with the logo 'CLOTH-X' (featuring a stylized orange bull icon), a search bar, user account information (Csanduwaral234@gmail.com, 0715862119), and notification icons for 3 messages and 0 items in the cart.

The main content area has a dark background image of a clothing store interior. A large white text overlay reads 'Our Latest Blogs'. Below this, a breadcrumb navigation shows 'Home > Blogs'. The page lists four blog posts in a grid:

- Lifestyle**: 'What Is And How Does Indirect Marketing Work?' (May Mon 2023)
- Fashion**: 'Unlocking The Power Of Positive Thinking' (May Mon 2023)
- Entertainment**: 'Search Engine Optimization For Grow Your Site' (May Mon 2023)
- Clothes**: '5 Eco-Friendly Products That Help Save The Pl...' (May Wed 2023)

Figure 16

Vendor Products Page

The screenshot shows a website interface for a vendor's products. At the top, there is a navigation bar with links for Home, Vendors, Flash Sale, Blog, About, Contact, Track Order, and My Account. Below the navigation is a banner with the text "Vendor Products" and a breadcrumb trail "Home > Vendor Products". The main content area features a dark sidebar on the left with the title "Vendor Shop" and contact information: phone number 12321312, email vendor@gmail.com, and location USA. It also includes social media icons for Facebook, Twitter, and Instagram. The main content area displays four featured products: a man in a green t-shirt, a black polo shirt, a stack of folded shirts, and a blue floral shirt. A shopping cart icon is visible in the background.

Figure 17

Wishlist Page

The screenshot shows the CLOTH-X website's wishlist page. At the top, there is a header with the logo "CLOTH-X", a search bar, and user information (Csanduwaral234@gmail.com, 0715862119). Below the header, a navigation menu includes Home, Vendors, Flash Sale, Blog, About, Contact, Track Order, and My Account. The main content area has a dark background image of computer hardware. The title "Wishlist" is displayed, along with a breadcrumb trail: Home > Product > Wishlist. A table lists the wishlist items:

Product Item	Product Details	Quantity	Price	Action
×	GoPro HERO11 Black - Waterproof Action Camera With 5.3K60 Ultra HD Video, 27MP	1000	RS219	View Product
×	ASUS ROG Strix G16 (2023) Gaming Laptop, 16" 16_10 FHD 165Hz, GeForce RTX 4070, Intel Core i9-13980H	398	RS3000	View Product

Figure 18

Side Cart

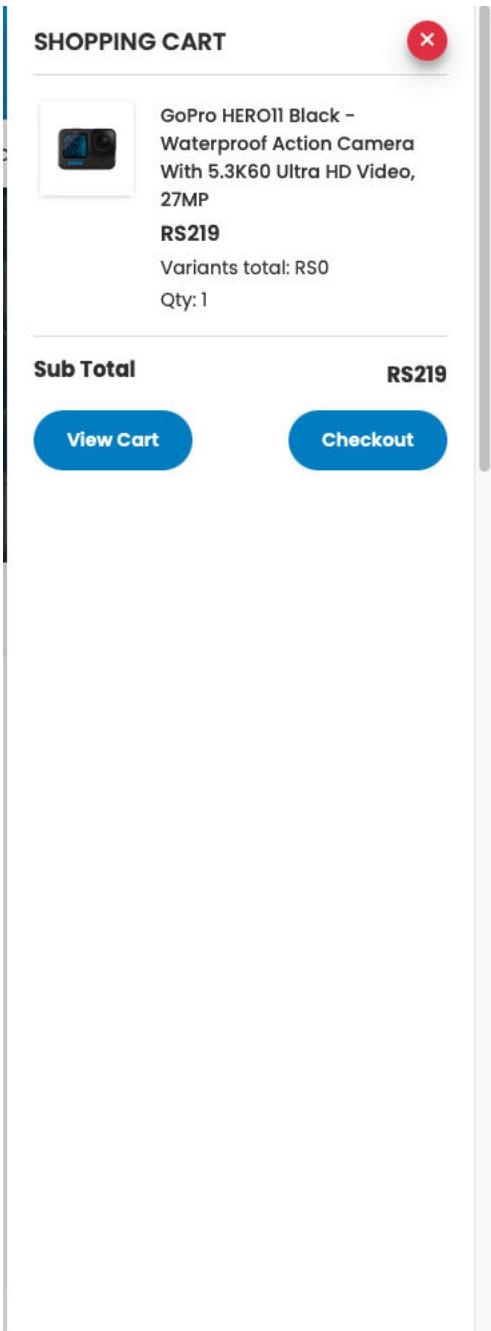


Figure 19

Cart Page

The screenshot shows the 'Cart View' page of the CLOTH-X website. At the top, there is a blue header bar with the logo 'CLOTH-X', a search bar, user information (Csanduwaral234@gmail.com, 0715862119), and notification icons for heart and cart (both with a count of 1). Below the header is a navigation menu with links to Home, Vendors, Flash Sale, Blog, About, Contact, Track Order, and My Account. The main content area has a dark background image of a store interior. The title 'Cart View' is centered above the cart table. The table has columns for Product Item, Product Details, Unit Price, Total, Quantity, and Clear Cart. A single item is listed: 'GoPro HERO11 Black - Waterproof Action Camera With 5.3K60 Ultra HD Video, 27MP'. The total price is RS219, and the quantity is 1. To the right of the table is a 'Total Cart' summary showing Subtotal (RS219), Coupon (-) (RS0), and a final Total (RS219). Buttons for 'Coupon Code' and 'Apply' are available, along with 'Checkout' and 'Keep Shopping' buttons.

Product Item	Product Details	Unit Price	Total	Quantity	Clear Cart
	GoPro HERO11 Black - Waterproof Action Camera With 5.3K60 Ultra HD Video, 27MP	RS219	RS219	- 1 +	X

Total Cart

Subtotal: RS219

Coupon(-): RS0

Total: RS219

Coupon Code Apply

Checkout

Keep Shopping

Figure 20

Checkout Page

The screenshot shows the checkout process on the CLOTH-X website. At the top, there's a header with the logo, a search bar, user information (Csanduwaral234@gmail.com, 0715862119), and notification icons for hearts and a cart. Below the header is a navigation menu with links like Home, Vendors, Flash Sale, Blog, About, Contact, Track Order, and My Account. The main content area has a dark background image of a store interior. A "Check Out" button is prominently displayed. The "Shipping Details" section contains two address input fields, each with a "Select Address" button and a "Add New Address" button. The right side shows "Shipping Methods" with an option for Express Delivery. It also displays the subtotal (RS219), shipping fee (RS0), and total (RS219). A checkbox for accepting terms and conditions is checked, and a "Place Order" button is at the bottom.

Figure 21

User Dashboard Page/s

The screenshot shows the user dashboard for John Doe. On the left is a sidebar with links: Dashboard, Messages, Go To Home Page, Orders, Reviews, My Profile, Addresses, Request To Be Vendor, and Log Out. The main area is titled "User Dashboard" and features six colored boxes: red for "TOTAL ORDER 5", green for "PENDING ORDERS 2", blue for "COMPLETE ORDERS 3", purple for "REVIEWS 2", dark purple for "WISHLIST 3", and orange for "PROFILE -".

Figure 22

User Dashboard Chat system

The screenshot shows a user dashboard interface. On the left is a sidebar with navigation links: Dashboard, Messages, Go To Home Page, Orders, Reviews, My Profile, Addresses, Request To Be Vendor, and Log Out. The main area is titled "Message" and contains a "Seller List" section. It shows two entries: "Admin User123" with a profile icon and "Vendor User" with a profile icon.

Figure 23

User Dashboard Orders Screen

The screenshot shows a user dashboard interface. On the left is a sidebar with navigation links: Dashboard, Messages, Go To Home Page, Orders, Reviews, My Profile, Addresses, Request To Be Vendor, and Log Out. The main area is titled "Orders" and displays a table of order entries. The table columns include Id, Invocie Id, Customer, Date, Product Qty, Amount, Order Status, Payment Status, Payment Method, and Action. The data shows five entries:

Id	Invocie Id	Customer	Date	Product Qty	Amount	Order Status	Payment Status	Payment Method	Action
12	66742	John Doe	27-Sep-2023	1	\$100	pending	complete	paypal	
11	978743	John Doe	08-May-2023	1	\$510	pending	complete	paypal	
9	909112	John Doe	06-May-2023	1	\$3000	delivered	complete	COD	
8	818716	John Doe	04-May-2023	1	\$200	delivered	complete	stripe	
7	891778	John Doe	30-Apr-2023	1	\$3000	delivered	complete	paypal	

Figure 24

User Dashboard Reviews Screen

The screenshot shows a user dashboard interface. On the left is a sidebar with navigation links: Dashboard, Messages, Go To Home Page, Orders, Reviews, My Profile, Addresses, Request To Be Vendor, and Log Out. The main area is titled "All Reviews" and displays a table of review entries. The table columns include Id, Product, User, Rating, Review, and Status. The data shows two entries:

Id	Product	User	Rating	Review	Status
2	ASUS TUF Gaming F15 (2022) Gaming Laptop, 15.6" FHD 144Hz Display, GeForce RTX	John Doe	4	test review	Pending
1	ASUS TUF Gaming F15 (2022) Gaming Laptop, 15.6" FHD 144Hz Display, GeForce RTX	John Doe	5	good products	Approved

Figure 25

User Dashboard User Profile Screen

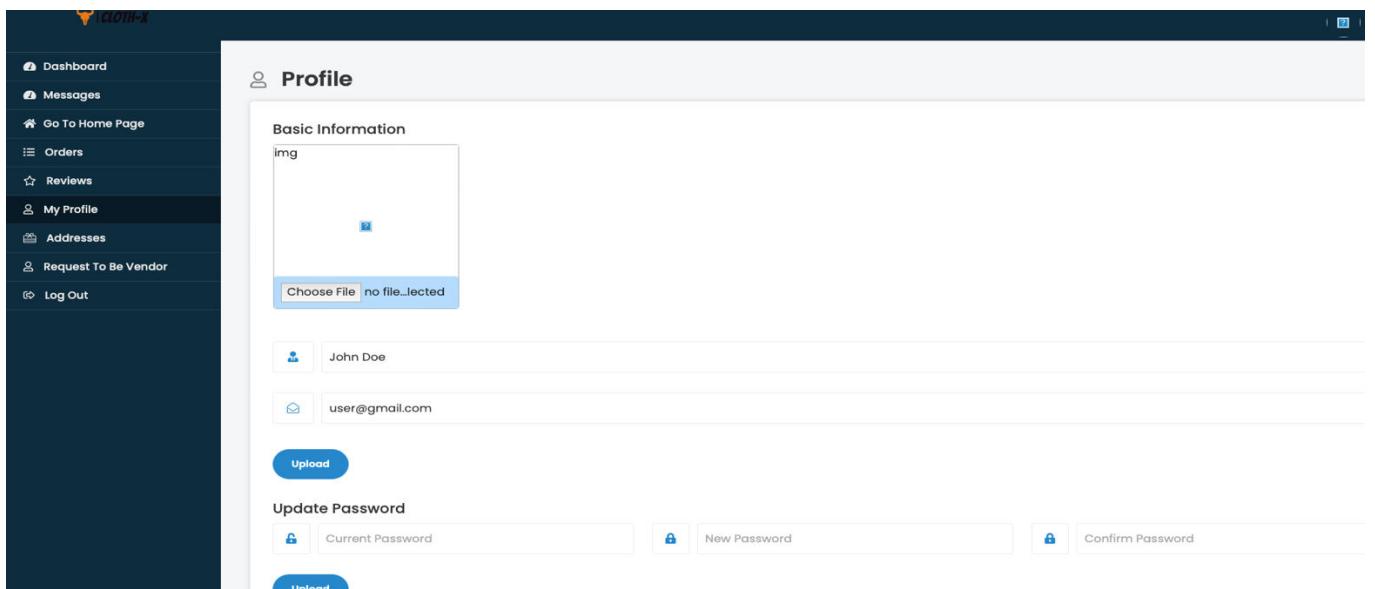


Figure 26

User Dashboard Addresses Screen

The screenshot shows the 'Address' section of the user dashboard. The left sidebar includes links for Dashboard, Messages, Go To Home Page, Orders, Reviews, My Profile, Addresses, Request To Be Vendor, and Log Out. The main content area is titled 'Address' and displays a list of four billing addresses in a grid format.

Billing Address		Billing Address	
Name :	Erasmus Hutchinson	Name :	Jhon Deo
Phone :	+1 (448) 117-4101	Phone :	+88019600000000
Email :	User@gmail.com	Email :	Test@gmail.com
Country :	United States	Country :	United States
State :	California	State :	Test
City :	California	City :	California
Zip Code :	64842	Zip Code :	423432
Address :	Ipsum Ad In Accusamu		
Edit		Delete	

Billing Address		Billing Address	
Name :	Neville Valencia	Name :	Tobias O'Neill
Phone :	+1 (912) 321-1981	Phone :	+1 (695) 824-3125
Email :	Cibev@mailinator.com	Email :	Juheg@mailinator.com
Country :	Liberia	Country :	Korea, North
State :	Dolor Nisi Nulla Deb	State :	Laboris Prudent Qu
Edit		Delete	

Figure 27

User Dashboard Request to be a Vendor Screen

The screenshot shows the Cloth-X user dashboard with a dark theme. On the left is a sidebar with navigation links: Dashboard, Messages, Go To Home Page, Orders, Reviews, My Profile, Addresses, Request To Be Vendor, and Log Out. The main content area has a header "Vendor Request" with a user icon. Below it is a section titled "Vendor Terms And Conditions". The text outlines the terms under which vendors may sell products on the Cloth-X platform. It includes sections for Vendor Registration, Product Listings, Pricing and Payments, Order Fulfillment, Returns and Refunds, Vendor Conduct, Intellectual Property, and Termination. The text is justified and uses small headings and bullet points.

Cloth-X

John Doe

[Dashboard](#)

[Messages](#)

[Go To Home Page](#)

[Orders](#)

[Reviews](#)

[My Profile](#)

[Addresses](#)

[Request To Be Vendor](#)

[Log Out](#)

Vendor Request

Vendor Terms And Conditions

Vendor Terms and Conditions

These Vendor Terms and Conditions ("Agreement") outline the terms under which vendors ("You" or "Vendor") may sell products on the Cloth-X platform ("Website"). By registering as a vendor and using the Website, you agree to comply with the terms outlined in this Agreement.

1. Vendor Registration

All vendors must provide accurate and complete information during registration. Cloth-X reserves the right to approve or reject any vendor registration at its discretion.

2. Product Listings

Vendors are responsible for accurately listing their products, including descriptions, prices, and availability. Products sold on Cloth-X must comply with all applicable laws and regulations. Cloth-X reserves the right to remove any product listings that are inaccurate, misleading, or in violation of this Agreement.

3. Pricing and Payments

Vendors are responsible for setting the prices of their products. Cloth-X will deduct a commission fee (as agreed during registration) from the total sales amount before remitting payment to the vendor. Payments will be processed on a [weekly/monthly] basis through the payment method provided by the vendor. Vendors must include all applicable taxes in their pricing.

4. Order Fulfillment

Vendors are responsible for fulfilling customer orders promptly and accurately. Vendors must ensure that products are packaged and shipped within the timeframes specified in the product listings. Cloth-X is not responsible for any delays or issues in shipping and delivery.

5. Returns and Refunds

Vendors are required to establish clear return and refund policies for their products and must honor these policies. Vendors must handle all customer service inquiries related to returns and refunds. Cloth-X may mediate disputes between vendors and customers but is not obligated to resolve them.

6. Vendor Conduct

Vendors must conduct business ethically and with integrity, ensuring that their interactions with customers and Cloth-X are professional. Vendors must not engage in fraudulent or misleading practices, including misrepresenting products or failing to fulfill orders. Vendors must maintain the quality and authenticity of the products they sell.

7. Intellectual Property

Vendors must have the right to sell the products listed on the Website and must not infringe upon any third-party intellectual property rights. Cloth-X is not responsible for any intellectual property infringement claims made against vendors.

8. Termination

Figure 28

Vendor Dashboard Page/s

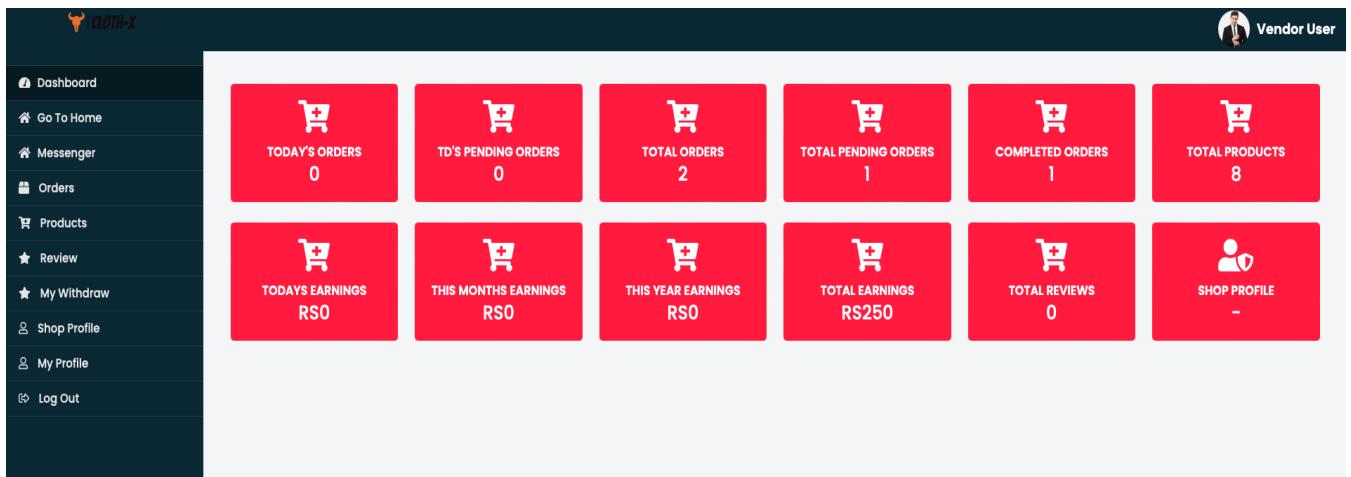


Figure 29

Vendor Dashboard Chat System

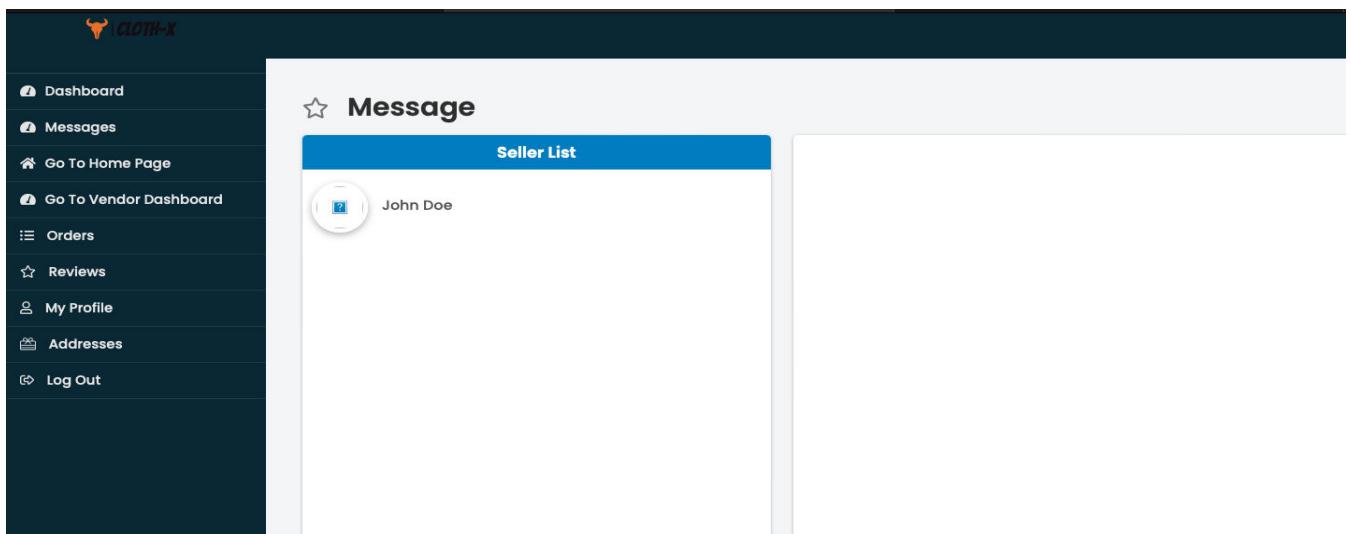


Figure 30

Vendor Dashboard Orders Page

The screenshot shows the 'Orders' section of the Cloth-X vendor dashboard. The left sidebar includes links for Dashboard, Messages, Go To Home Page, Go To Vendor Dashboard, Orders, Reviews, My Profile, Addresses, and Log Out. The main content area has a title 'Orders' with a user icon. It features a table with columns: Id, Invocie Id, Customer, Date, Product Qty, Amount, Order Status, Payment Status, Payment Method, and Action. A single row is displayed: Id 13, Invocie Id 188230, Customer Vendor user, Date 01-Oct-2024, Product Qty 1, Amount RS450, Order Status pending, Payment Status pending, Payment Method COD, and Action with a blue eye icon. Below the table, it says 'Showing 1 to 1 of 1 entries'. Navigation buttons for Previous, Next, and page number 1 are at the bottom.

Id	Invocie Id	Customer	Date	Product Qty	Amount	Order Status	Payment Status	Payment Method	Action
13	188230	Vendor user	01-Oct-2024	1	RS450	pending	pending	COD	

Figure 31

Vendor Dashboard Reviews Page

The screenshot shows a vendor dashboard interface titled "CLOTH-X". On the left, a sidebar menu includes options like Dashboard, Messages, Go To Home Page, Orders, Reviews, My Profile, Addresses, Request To Be Vendor, and Log Out. The main content area is titled "All Reviews" and displays a table of entries. The table has columns for Id, Product, User, Rating, Review, and Status. Two entries are listed:

Id	Product	User	Rating	Review	Status
2	ASUS TUF Gaming F15 (2022) Gaming Laptop, 15.6" FHD 144Hz Display, GeForce RTX	John Doe	4	test review	Pending
1	ASUS TUF Gaming F15 (2022) Gaming Laptop, 15.6" FHD 144Hz Display, GeForce RTX	John Doe	5	good products	Approved

Below the table, it says "Showing 1 to 2 of 2 entries". At the bottom right, there are "Previous" and "Next" buttons.

Figure 32

Vendor Profile Page

The screenshot shows a vendor profile page titled "Profile". The left sidebar is identical to Figure 32. The main content area is titled "Basic Information" and contains a placeholder image of a man in a suit, with a "Choose File" button below it. It also shows the user type as "Vendor user" and the email address as "vendor@gmail.com". There is a blue "Upload" button. Below this, there is a section for "Update Password" with fields for "Current Password", "New Password", and "Confirm Password", each with a lock icon. There is also a blue "Upload" button here.

Figure 33

Vendor Address Page

The screenshot shows a vendor's address page. On the left is a sidebar with navigation links: Dashboard, Messages, Go To Home Page, Go To Vendor Dashboard, Orders, Reviews, My Profile, Addresses (which is selected), and Log Out. The main content area has a title "Address" with a "Billing Address" section. The address details are as follows:

Name :	Chirath Sanduwara
Phone :	0715862119
Email :	Csanduwara123@gmail.com
Country :	Sri Lanka
State :	Western Province
City :	Panadura
Zip Code :	12500
Address :	No.261/2,Thanthirimulla,Panadura

Below the address form are "Edit" and "Delete" buttons, and a "+ Add New Address" button.

Figure 34

Admin Dashboard Page/s

The screenshot shows the admin dashboard with a blue header bar and a sidebar on the left containing navigation links for DASHBOARD, ECOMMERCE, and SETTINGS & MORE. The main content area is titled "Dashboard" and displays various performance metrics in a grid format:

Todays Orders	Todays Pending Orders	Total Orders	Total Pending Orders
1	1	6	3
Total Canceled Orders	Total Complete Orders	Todays Earnings	This Month Earnings
0	3	RS0	RS0
This Years Earnings	Total Reviews	Total Brands	Total Categories
RS0	2	12	10
Total Blogs	Total Subscribers	Total Vendors	Total Users
4	7	3	5

Figure 35

Manage Category: Category Page

Category

All Categories					
		Name	Status	Action	
ID	Icon				
19		Babies and Toys	<input checked="" type="checkbox"/>		
18		Automotive	<input checked="" type="checkbox"/>		
17		Sports and Outdoors	<input checked="" type="checkbox"/>		
16		Home and Life	<input checked="" type="checkbox"/>		
15		Groceries	<input checked="" type="checkbox"/>		
14		Health and Beauty	<input checked="" type="checkbox"/>		
13		Shoes	<input checked="" type="checkbox"/>		
12		Womens Fashion	<input checked="" type="checkbox"/>		
11		Mens Fashion	<input checked="" type="checkbox"/>		
10		Electronics	<input checked="" type="checkbox"/>		

Show 1 to 10 of 10 entries

Previous 1 Next

Figure 36

Manage Category: Subcategory Page

Sub Category

All Sub Categories					
		Slug	Category	Action	
ID	Name				
15	Smart Phones	smart-phones	Electronics	<input checked="" type="checkbox"/>	
14	Laptops	laptops	Electronics	<input checked="" type="checkbox"/>	
13	Camera	camera	Electronics	<input checked="" type="checkbox"/>	

Show 1 to 3 of 3 entries

Previous 1 Next

Figure 37

Manage Category: Child Category Page

Child Category

All Child Categories							+ Create New
Show 10 entries							Search: <input type="text"/>
ID	Name	Category	Sub Category	Status	Action		
22	Sony Xperia	Electronics	Smart Phones	<input checked="" type="checkbox"/>	 		
21	SAMSUNG	Electronics	Smart Phones	<input checked="" type="checkbox"/>	 		
14	Pentax	Electronics	Camera	<input checked="" type="checkbox"/>	 		
20	One Plus	Electronics	Smart Phones	<input checked="" type="checkbox"/>	 		
18	MSI	Electronics	Laptops	<input checked="" type="checkbox"/>	 		
17	Lenovo	Electronics	Laptops	<input checked="" type="checkbox"/>	 		
13	GoPro	Electronics	Camera	<input checked="" type="checkbox"/>	 		
19	Google Pixel	Electronics	Smart Phones	<input checked="" type="checkbox"/>	 		
12	DJI	Electronics	Camera	<input checked="" type="checkbox"/>	 		
11	Canon	Electronics	Camera	<input checked="" type="checkbox"/>	 		
Showing 1 to 10 of 12 entries							Previous 1 2 Next

Figure 38

Orders: Brands Page

Brand

All Brands							+ Create New
Show 10 entries							Search: <input type="text"/>
ID	Logo	Name	Is Featured	Status	Action		
15		Womens Fashion	Yes	<input checked="" type="checkbox"/>	 		
14		Indiana	Yes	<input checked="" type="checkbox"/>	 		
13		women fashion	Yes	<input checked="" type="checkbox"/>	 		
12		Apolo fashion	Yes	<input checked="" type="checkbox"/>	 		
11		Acer	Yes	<input checked="" type="checkbox"/>	 		
10		LENOVO	Yes	<input checked="" type="checkbox"/>	 		
9		ASUS	Yes	<input checked="" type="checkbox"/>	 		
8		MSI	Yes	<input checked="" type="checkbox"/>	 		
7		Pentax	No	<input checked="" type="checkbox"/>	 		
6		gopro	No	<input checked="" type="checkbox"/>	 		

Figure 39

Orders: Products Page

Product						
All Products						+ Create New
Show <input type="button" value="10"/> entries		Search: <input type="text"/>				
Id	Image	Name	Price	Type	Status	Action
51		Hanes Sport Men's Polo Shirt, Men's Cool DRI Moisture-Wicking Performance Polo Shirt	90	Top Product	<input checked="" type="checkbox"/>	  
50		Wrangler Men's Iconic Denim Regular Fit Snap Shirt	800	None	<input checked="" type="checkbox"/>	  
49		Nautica Men's Performance Pique Polo Shirt	99	Top Product	<input checked="" type="checkbox"/>	  
48		Wrangler Authentics Men's Long Sleeve Classic Woven Shirt	799	None	<input checked="" type="checkbox"/>	  
47		GoPro HERO11 Black - Waterproof Action Camera with 5.3K60 Ultra HD Video, 27MP Photos	800	None	<input checked="" type="checkbox"/>	  
46		GoPro HERO11 Black Mini - Compact Waterproof Action Camera with 5.3K60 Ultra HD Video	2000	None	<input checked="" type="checkbox"/>	  
45		Skechers Women's 33492 Sneaker Skechers Women's 33492 Sneaker	97	None	<input checked="" type="checkbox"/>	  

Figure 40

Order: Seller Products Page

Sellers Products

All Seller Products									
<input type="button" value="Show 10 entries"/> <input type="text" value="Search:"/>									
Id	Vendor	Image	Name	Price	Type	Status	Approve	Action	
30	Vendor shop		Lucky Brand Men's Venice Burnout Notch Neck Tee Shirt	200	Featured Product	<input checked="" type="checkbox"/>	Approved	  	
29	Vendor shop		Hanes Sport Men's Polo Shirt, Men's Cool DRI Moisture-Wicking Performance Polo Shirt, Jersey Knit Pe	90	Featured Product	<input checked="" type="checkbox"/>	Approved	  	
28	Vendor shop		Gildan Men's Classic	50	None	<input checked="" type="checkbox"/>	Approved	  	
27	Vendor shop		Amazon Essentials Men's Slim-Fit Short-Sleeve Print Shirt	100	None	<input checked="" type="checkbox"/>	Approved	  	
26	Vendor shop		Amazon Essentials Men's Slim-Fit Short-Sleeve Pocket Oxford Shirt	30	Top Product	<input checked="" type="checkbox"/>	Approved	  	
25	Vendor shop		Amazon Essentials Men's Short-Sleeve Chambray Shirt	90	Top Product	<input checked="" type="checkbox"/>	Approved	  	
24	Vendor shop		Wrangler Men's Iconic Denim Regular Fit Snap Shirt	300	New Arrival	<input checked="" type="checkbox"/>	Approved	  	

Figure 41

Order: Seller Pending Products

Sellers Pending Products

All Seller Pending Products									
<input type="button" value="Show 10 entries"/> <input type="text" value="Search:"/>									
Id	Vendor	Image	Name	Price	Type	Status	Approve	Action	
31	Vendor shop		Nautica Men's Performance Pique Polo Shirt	99	Featured Product	<input checked="" type="checkbox"/>	Pending	  	
Showing 1 to 1 of 1 entries									

Figure 42

Order: Product Reviews

Product Review

All Reviews					
Show 10 entries				Search:	
Id	Product	User	Rating	Review	Status
2	ASUS TUF Gaming F15 (2022) Gaming Laptop, 15.6" FHD 144Hz Display, GeForce RTX	John Doe	4	test review	<input type="checkbox"/>
1	ASUS TUF Gaming F15 (2022) Gaming Laptop, 15.6" FHD 144Hz Display, GeForce RTX	John Doe	5	good products	<input checked="" type="checkbox"/>

Showing 1 to 2 of 2 entries

Previous **1** Next

Figure 43

Transactions Page

Transactions

All Transactions					
Show <input type="text" value="10"/> entries		Search: <input type="text"/>			
Id	Invoice Id	Transaction Id	Payment Method	Amount In Base Currency	Amount In Real Currency
13	#188230	905CLRd5g	COD	450 LKR	450 LKR
12	#66742	4Vj41701BM666020N	paypal	100 USD	100 USD
11	#978743	6HC57725K9840524A	paypal	510 USD	510 USD
9	#909112	8Yeuh8E4ow	COD	3000 USD	3000 USD
8	#818716	ch_3N40CkKW5d0gpOwD0ZlUra9r	stripe	200 USD	200 USD
7	#891778	61L47556535664905	paypal	3000 USD	3000 USD

Figure 44

E-Commerce Page/s

The screenshot shows the E-commerce Platform's configuration interface for a 'Flash Sale'. At the top right, there is a user profile icon with the text 'Hi, Admin user123'. On the left, a vertical sidebar menu is partially visible.

Flash Sale

Flash Sale End Date

Sale End Date: 2023-05-31

Add Flash Sale Products

Add Product: Select

Show at home?: Select

Status: Select

All Flash Sale Products

Show 10 entries

Search:

Id	Product Name	Show At Home	Status	Action			
3	Flat 100 discount	amount	RS100	2023-04-09	2023-05-31	On	
2	50% discount	percent	RS50	2023-04-05	2023-04-29	On	

Figure 45

Coupons

The screenshot shows the E-commerce Platform's management interface for 'Coupons'. At the top right, there is a blue button labeled '+ Create New'.

All Coupons

Show 10 entries

Search:

Id	Name	Discount Type	Discount	Start Date	End Date	Status	Action
3	Flat 100 discount	amount	RS100	2023-04-09	2023-05-31	On	
2	50% discount	percent	RS50	2023-04-05	2023-04-29	On	

Showing 1 to 2 of 2 entries

Previous Next

Figure 46

Shipping Rule

All Shipping rules							+ Create New
Show 10 entries		Search:					
ID	Name	Type	Min Cost	Cost	Status	Action	
3	Free Shipping	Minimum Order Amount	RS1000	RS0	<input checked="" type="checkbox"/>	 	
1	Express Delivery	Flat Amount	RS0	RS50	<input checked="" type="checkbox"/>	 	

Showing 1 to 2 of 2 entries

Previous **1** Next

Figure 47

Vendor Profile

Update Vendor Profile

Preview



Banner

Choose File no file selected

Shop Name

Admin Shop

Phone

+8801960000000

Email

admin@gmail.com

Address

Usa

Description

Figure 48

☰

Hi, Admin user123 ▾

Settings

Paypal

Stripe

RazorPay

COD

Paypal Status

Enable

Account Mode

Sandbox

Country Name

United States

Currency Name

United States Dollar

Currency rate (Per LKR)

1

Paypal Client Id

AZjIDbhZ2wA83eFuGYYDLr0U7GeCongaCv9jBDKl0L1Qi2ele6Vfx2J4UiIsGe---c2g9HvnvYf50A5n8

Paypal Secret Key

EFJvdW6_xzCU9bRhX3TWF5J8TwTNmcNig-h8cNZwHlgA7wzCIAQaBli-TMWisg_H9Ckut9SfHmH1S2lm

Update

This screenshot shows the 'Settings' page of a software application. On the left, there's a sidebar with four options: 'Paypal' (selected), 'Stripe', 'RazorPay', and 'COD'. The main area is titled 'Paypal' and contains several configuration fields. At the top, there are dropdown menus for 'Paypal Status' (set to 'Enable') and 'Account Mode' (set to 'Sandbox'). Below these are dropdowns for 'Country Name' (set to 'United States') and 'Currency Name' (set to 'United States Dollar'). A text input field for 'Currency rate (Per LKR)' contains the value '1'. Further down are two text input fields for 'Paypal Client Id' and 'Paypal Secret Key', both containing long, randomly generated strings of characters. At the bottom right of the form is a blue 'Update' button.

Figure 49

Withdraw Payment Page/s

Withdraw Methods

All Methods						+ Create New
						Search: <input type="text"/>
Id	Name	Minimum Amount	Maximum Amount	Withdraw Charge	Action	
3	Paypal	100	1000	10%	 	
2	BANK	100	1000	10%	 	

Showing 1 to 2 of 2 entries

Previous [1](#) Next

Figure 50

Withdraw Request List

All Requests									+ Create New
									Search: <input type="text"/>
Id	Vendor	Method	Total Amount	Withdraw Amount	Withdraw Charge	Status	Date	Action	
1	Vendor shop	BANK	RS100	RS90	RS10	Paid	25 Sep 2023		

Showing 1 to 1 of 1 entries

Previous [1](#) Next

Figure 51

Manage Website Page/s

Slider

Simple Table						+ Create New
		Title	Serial	Status	Action	Search: <input type="text"/>
ID	Banner					
6		men's fashion	1	Active	 	 
7		kid's fashion	2	Active	 	 
8		winter collection	3	Active	 	 

Showing 1 to 3 of 3 entries

Previous  Next 

Figure 52

Vendor Condition

Vendor Condition

Content

Vendor Terms and Conditions

Vendor Terms and Conditions

These Vendor Terms and Conditions ("Agreement") outline the terms under which vendors ("You" or "Vendor") may sell products on the Cloth-X platform ("Website"). By registering as a vendor and using the Website, you agree to comply with the terms outlined in this Agreement.

1. Vendor Registration

- All vendors must provide accurate and complete information during registration.
- Cloth-X reserves the right to approve or reject any vendor registration at its discretion.

Figure 53

About

The screenshot shows a WYSIWYG editor interface for the 'About' page. At the top, there's a toolbar with various formatting options like bold, italic, underline, and font size. Below the toolbar is a content area with a heading 'About us' and a sub-section 'About Cloth-X'. The main text describes Cloth-X as a destination for fashion and beyond, highlighting its curated collection of clothing and accessories, as well as its range of electronics. It emphasizes convenience, fast shipping, and excellent customer service. A note at the bottom thanks customers for choosing Cloth-X. In the bottom right corner of the content area, there's a blue 'Update' button.

Figure 54

Terms and conditions

The screenshot shows a WYSIWYG editor interface for the 'Terms and conditions' page. At the top, there's a toolbar with various formatting options. Below the toolbar is a content area with a heading 'Terms and Conditions'. The main text welcomes users to Cloth-X and states that by using the website and making purchases, they agree to comply with the Terms and Conditions. It then lists three sections: '1. General Terms', '2. Account Registration', and '3. Product Information', each containing specific terms and conditions. The '1. General Terms' section includes a bulleted list about accessing the website, updating terms, age requirements, and privacy. The '2. Account Registration' section includes a bulleted list about account creation, information accuracy, password responsibility, and account suspension. The '3. Product Information' section includes a bulleted list about product descriptions, accuracy, and error correction. In the bottom right corner of the content area, there's a blue 'Update' button.

Figure 55

Settings

The screenshot shows a user interface for managing banner settings. On the left, there is a sidebar with a list of sections:

- Homepage banner section one (highlighted with a blue background)
- Homepage banner section two
- Homepage banner section three
- Homepage banner section four
- Products page banner
- Cart page banner

The main panel contains the following fields:

- Status:** A toggle switch is set to the "on" position.
- Banner Image:** A placeholder text field says "Choose File no file selected".
- Banner url:** A text input field contains the value "fsadfasdfsd".
- Update:** A blue button at the bottom of the panel.

Figure 56

Manage Blog

Blog Category

All Blog Categories						+ Create New
						Search: <input type="text"/>
ID	Name	Slug	Status	Action		
8	Lifestyle	lifestyle	<input checked="" type="checkbox"/>	 		
7	Fashion	fashion	<input checked="" type="checkbox"/>	 		
6	Entertainment	entertainment	<input checked="" type="checkbox"/>	 		
5	Clothes	clothes	<input checked="" type="checkbox"/>	 		
Showing 1 to 4 of 4 entries						Previous 1 Next

Figure 57

Blogs

All Blogs						+ Create New
						Search: <input type="text"/>
ID	Image	Title	Category	Status	Publish Date	Action
5		What is and how does indirect marketing work?	Lifestyle	<input checked="" type="checkbox"/>	08-05-23	 
4		Unlocking the Power of Positive Thinking	Fashion	<input checked="" type="checkbox"/>	08-05-23	 
3		Search Engine Optimization For Grow your site	Entertainment	<input checked="" type="checkbox"/>	08-05-23	 
2		5 Eco-Friendly Products That Help Save the Planet	Clothes	<input checked="" type="checkbox"/>	03-05-23	 
Showing 1 to 4 of 4 entries						Previous 1 Next

Figure 58

Blogs Comments

All Blogs Comments						+ Create New
						Search: <input type="text"/>
ID	Post	User Name	User Comment	Action		
No data available in table						
Showing 0 to 0 of 0 entries						

Figure 59

Admin Dashboard: Chat System

The screenshot shows a section titled "Messages" under "Who's Online?". It displays a list with one item: "John Doe" next to a small user icon.

Figure 60

Admin Dashboard: footer

Footer

The screenshot shows the "Footer Info" configuration page. It includes fields for "Footer Logo" (with a "Choose File" button), "phone" (+1 (156) 145-4818), "email" (csanduwara1234@gmail.com), "address" (Panadura, Kaluthara, LK), and "copyright" (Copyright © 2024 Cloth-X. All Rights Reserved.). A blue "Update" button is at the bottom left.

Figure 61

Footer

The screenshot shows a table titled "Footer Socials" with four entries. The columns are Id, Icon, Name, Status, and Action. The entries are:

Id	Icon	Name	Status	Action
3		Twitter	<input checked="" type="checkbox"/>	
4		Facebook	<input checked="" type="checkbox"/>	
5		linkedin	<input checked="" type="checkbox"/>	
6		instagram	<input checked="" type="checkbox"/>	

At the top right is a "+ Create New" button. At the bottom are navigation links: "Showing 1 to 4 of 4 entries", "Previous", a page number "1", and "Next".

Figure 62

Footer

Footer Grid Two Title

More Links Save

Footer Grid Two

Show 10 entries + Create New

ID	Name	Status	Action
3	Terms and conditions	<input checked="" type="checkbox"/>	Edit Delete
5	Flash Sale	<input checked="" type="checkbox"/>	Edit Delete
4	contact	<input checked="" type="checkbox"/>	Edit Delete
6	Career	<input checked="" type="checkbox"/>	Edit Delete
2	About	<input checked="" type="checkbox"/>	Edit Delete

Showing 1 to 5 of 5 entries

Previous 1 Next

Figure 63

Admin Dashboard: Users list/s

Customer list

All customer					
Show [10 <input type="button" value="▼"/>] entries <input type="text" value="Search:"/>					
ID	Name	Email	Status		
11	Jhone Deo	jhonedeo@gmail.com	<input checked="" type="checkbox"/>		
10	User 234	user123@gmail.com	<input checked="" type="checkbox"/>		
8	new user	newUser@gmail.com	<input checked="" type="checkbox"/>		
4	test user	testuser@gmail.com	<input checked="" type="checkbox"/>		
3	John Doe	user@gmail.com	<input checked="" type="checkbox"/>		

Showing 1 to 5 of 5 entries

Previous 1 Next

Figure 64

Pending Vendor Requests

All requests					
Show [10 <input type="button" value="▼"/>] entries <input type="text" value="Search:"/>					
ID	User Name	Shop Name	Shop Email	Status	Action
No data available in table					
Showing 0 to 0 of 0 entries					

Previous Next

Figure 65

Admin list

All Admin					
Show [10 <input type="button" value="▼"/>] entries <input type="text" value="Search:"/>					
ID	Name	Email	Role	Status	Action
1	Admin user123	admin@gmail.com	admin		

Showing 1 to 1 of 1 entries

Previous 1 Next

Figure 66

Vendor list

All Vendor						
Show [10 <input type="button" value="▼"/>] entries <input type="text" value="Search:"/>						
ID	Name	Email	Shop Name	Role	Status	Action
7	seller 2	seller2@gmail.com	Daily Need	vendor	<input checked="" type="checkbox"/>	
6	seller	seller@gmail.com	TopShop	vendor	<input checked="" type="checkbox"/>	
2	Vendor user	vendor@gmail.com	Vendor shop	vendor	<input checked="" type="checkbox"/>	

Showing 1 to 3 of 3 entries

Previous 1 Next

Figure 67

Manage User

Create User

Name

Email

Password

 Confirm password

Role

Select

Create

Figure 68

Admin Dashboard: Send emails to subscribers

The screenshot shows the Admin Dashboard interface. At the top, there is a blue header bar with a profile icon and the text "Hi, Admin user123". Below the header, the main content area has a title "Subscribers". Under this title, there is a form titled "Send Email to all subscribers" with fields for "Subject" and "Message", and a "Send" button. Below the form, there is a table titled "All Subscribers" with columns for "Id", "Email", "Is Verified", and "Action". The table contains five rows of data:

Id	Email	Is Verified	Action
7	testemail@gmail.com	No	
12	test123@gmail.com	No	
6	test@gmail.com	Yes	
13	polburuwa1234@gmail.com	No	
11	demo1@gmail.com	Yes	

Figure 69

Mail-trap Screenshots

Admin sending emails to subscribers Mail-trap screenshot (sample is a test email for it)

The screenshot shows the Mailtrap interface. On the left is a dark sidebar with navigation links: Home, Email API/SMTP, Email Testing (selected), Inboxes (highlighted in blue), Email Marketing (new), Sending Domains, Templates, Billing, and Settings. At the bottom of the sidebar is a Help Center button. The main area is titled 'Inboxes > My inbox > this is a test'. It shows a list of received emails. The first email in the list is highlighted in blue and has a larger preview. The preview shows the subject 'this is a test' and the content 'test'. Below the preview are three small icons for mobile, tablet, and desktop devices. The top right corner of the main area shows '1 / 1000 monthly emails' and an 'Upgrade' button. The top right also includes a user profile for 'Chirath Sanduwara' and a settings gear icon.

Figure 70

Email verification when signing up Mail-Trap screenshot

The screenshot shows the Mail-Trap web interface. On the left, a dark sidebar menu includes options like Home, Email API/SMTP, Email Testing (Inboxes selected), Email Marketing, Sending Domains, Templates, Billing, and Settings. A 'Help Center' button is at the bottom. The main area displays an inbox titled 'Inboxes > My Inbox > Reset Password Notification'. It shows several messages, with one message highlighted: 'Reset Password Notification' from Laravel to user@gmail.com, sent 14 days ago. The message content is visible on the right, showing a logo, a 'Hello!' greeting, a note about password reset, and a 'Reset Password' button.

Inboxes > My Inbox > Reset Password Notification

1 / 1000 monthly emails [Upgrade](#) Chirath Sanduwara

SSS
to: <test@gmail.com, demo1@gmail.com> 3 hours ago
this is a test
to: <test@gmail.com, demo1@gmail.com> 4 hours ago
Reset Password Notification
to: <user@gmail.com> 14 days ago
Reset Password Notification
to: <user@gmail.com> 14 days ago
Reset Password Notification
to: <user@gmail.com> 14 days ago
Reset Password Notification
to: <user@gmail.com> 14 days ago

Reset Password Notification

From: Laravel <hello@example.com>
To: <user@gmail.com>

Show Headers

HTML [HTML Source](#) Text Raw Spam Analysis [HTML Check](#) [Tech Info](#)

2024-09-17 01:21, 13 KB

Hello!

You are receiving this email because we received a password reset request for your account.

[Reset Password](#)

This password reset link will expire in 60 minutes.
If you did not request a password reset, no further action is required.

Figure 71

Screenshots of the code & Postman testing (requests)

Migration files

	migrations	
⌚	2014_10_12_000000_create_users_table.php	U
⌚	2014_10_12_100000_create_password_reset_tokens_table.php	U
⌚	2019_08_19_000000_create_failed_jobs_table.php	U
⌚	2019_12_14_000001_create_personal_access_tokens_table.php	U
⌚	2024_09_02_032049_create_footer_socials_table.php	U
⌚	2024_09_02_035158_create_blog_categories_table.php	U
⌚	2024_09_02_035210_create_razorpay_settings_table.php	U
⌚	2024_09_02_035432_create_chats_table.php	U
⌚	2024_09_02_040045_create_sub_categories_table.php	U
⌚	2024_09_02_041346_create_categories_table.php	U
⌚	2024_09_02_041753_create_product_reviews_table.php	U
⌚	2024_09_02_042237_create_shipping_rules_table.php	U
⌚	2024_09_02_042304_create_sliders_table.php	U
⌚	2024_09_02_042756_create_product_review_galleries_table.php	U
⌚	2024_09_02_042848_create_vendors_table.php	U
⌚	2024_09_02_045506_create_flash_sales_table.php	U
⌚	2024_09_02_045530_create_flash_sale_items_table.php	U
⌚	2024_09_02_045608_create_general_settings_table.php	U
⌚	2024_09_02_045654_create_footer_grid_twos_table.php	U
⌚	2024_09_02_050156_create_withdraw_methods_table.php	U
⌚	2024_09_02_052909_create_product_image_galleries_table.php	U
⌚	2024_09_02_053816_create_blogs_table.php	U
⌚	2024_09_02_054246_create_wishlists_table.php	U
⌚	2024_09_02_060014_add_shop_name_to_vendors_table.php	U
⌚	2024_09_02_060549_create_footer_titles_table.php	U
⌚	2024_09_02_060826_create_advertisements_table.php	U
⌚	2024_09_02_061804_create_product_variant_items_table.php	U
⌚	2024_09_02_063011_create_cod_settings_table.php	U
⌚	2024_09_02_065446_create_footer_grid_threes_table.php	U
⌚	2024_09_02_070712_create_paypal_settings_table.php	U

Figure 72

	migrations	
⌚	2024_09_02_070712_create_paypal_settings_table.php	U
⌚	2024_09_02_071626_create_orders_table.php	U
⌚	2024_09_02_073423_create_order_products_table.php	U
⌚	2024_09_02_073728_create_brands_table.php	U
⌚	2024_09_02_073819_create_transactions_table.php	U
⌚	2024_09_02_075356_create_user_addresses_table.php	U
⌚	2024_09_02_091708_create_home_page_settings_table.php	U
⌚	2024_09_02_092825_create_stripe_settings_table.php	U
⌚	2024_09_02_093303_create_child_categories_table.php	U
⌚	2024_09_02_093629_create_email_configurations_table.php	U
⌚	2024_09_02_093706_create_products_table.php	U
⌚	2024_09_02_094057_create_coupons_table.php	U
⌚	2024_09_02_094648_create_logo_settings_table.php	U
⌚	2024_09_02_101558_create_vendor_conditions_table.php	U
⌚	2024_09_02_102346_create_withdraw_requests_table.php	U
⌚	2024_09_02_103843_create_footer_infos_table.php	U
⌚	2024_09_02_104025_create_newsletter_subscribers_table.php	U
⌚	2024_09_02_110235_create_abouts_table.php	U
⌚	2024_09_02_111346_create_product_variants_table.php	U
⌚	2024_09_02_111615_create_blog_comments_table.php	U
⌚	2024_09_02_113433_create_terms_and_conditions_table.php	U
⌚	2024_09_02_154734_create_pusher_settings_table.php	U

Figure 73

Some View files

```
views
└── admin
    ├── about
    │   └── index.blade.php
    ├── admin-list
    │   └── index.blade.php
    ├── advertisement
    │   ├── cart-page-banner.blade.php
    │   ├── homepage-banner-four.blade.php
    │   ├── homepage-banner-one.blade.php
    │   ├── homepage-banner-three.blade.php
    │   ├── homepage-banner-two.blade.php
    │   └── index.blade.php
    ├── auth
    │   └── login.blade.php
    ├── blog
    │   ├── blog-category
    │   │   ├── create.blade.php
    │   │   ├── edit.blade.php
    │   │   └── index.blade.php
    │   ├── blog-comment
    │   │   ├── create.blade.php
    │   │   ├── edit.blade.php
    │   │   └── index.blade.php
    │   └── brand
    │       ├── create.blade.php
    │       ├── edit.blade.php
    │       └── index.blade.php
```

Figure 74

```
views
└── admin
    ├── about
    │   └── index.blade.php
    ├── admin-list
    │   └── index.blade.php
    ├── advertisement
    │   ├── cart-page-banner.blade.php
    │   ├── homepage-banner-four.blade.php
    │   ├── homepage-banner-one.blade.php
    │   ├── homepage-banner-three.blade.php
    │   ├── homepage-banner-two.blade.php
    │   └── index.blade.php
    ├── auth
    │   └── login.blade.php
    ├── blog
    │   ├── blog-category
    │   │   ├── create.blade.php
    │   │   ├── edit.blade.php
    │   │   └── index.blade.php
    │   ├── blog-comment
    │   │   ├── create.blade.php
    │   │   ├── edit.blade.php
    │   │   └── index.blade.php
    │   └── brand
    │       ├── create.blade.php
    │       ├── edit.blade.php
    │       └── index.blade.php
```

Figure 75

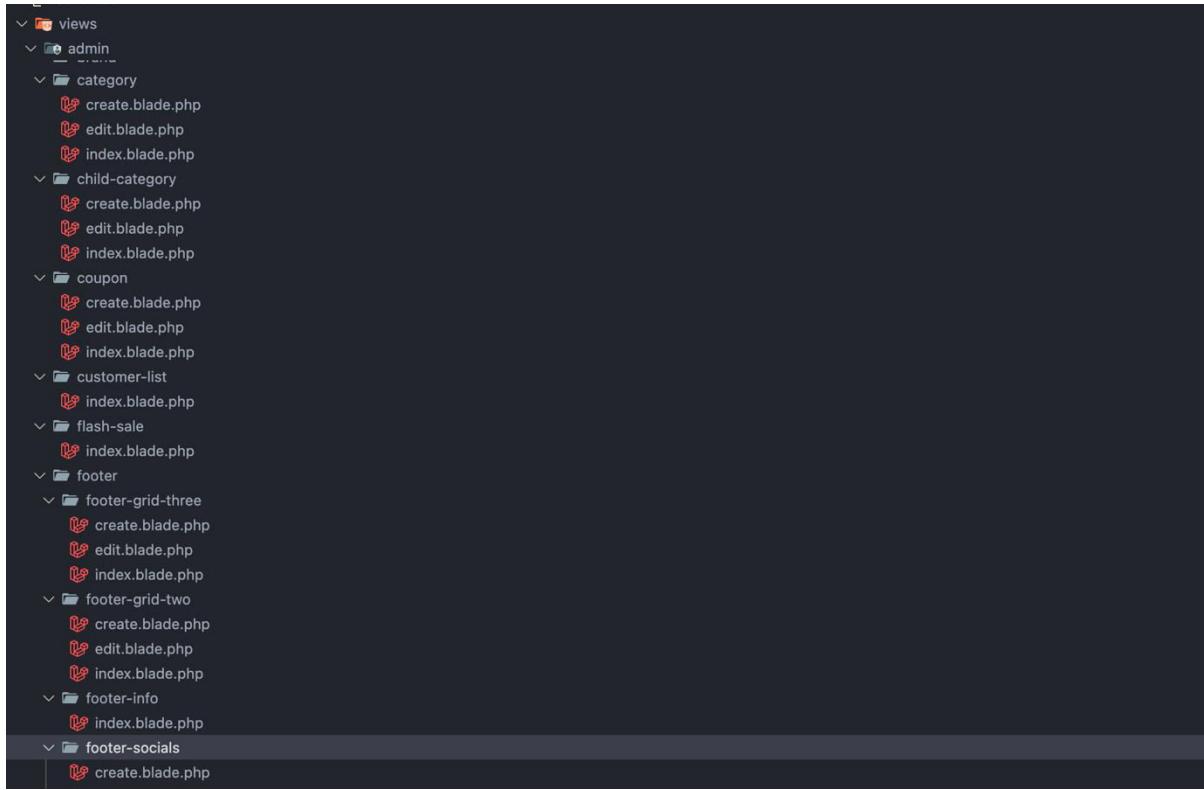


Figure 76

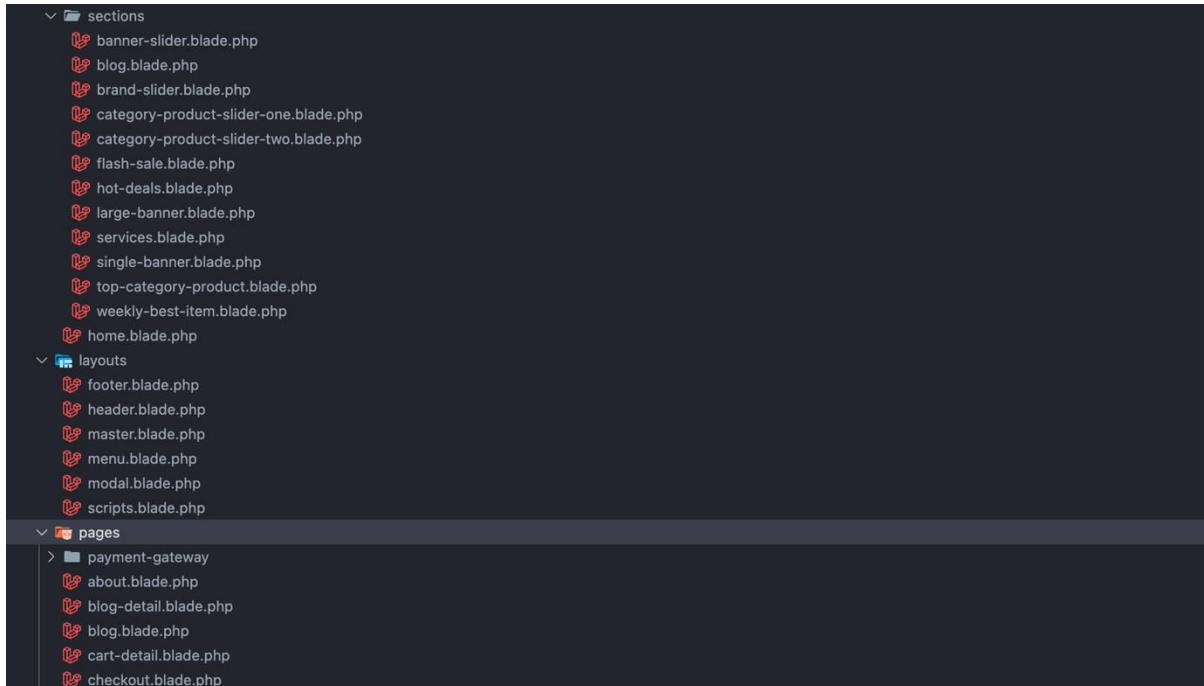


Figure 77

Controllers

└── Auth
└── AuthenticatedSessionController.php
└── ConfirmablePasswordController.php
└── EmailVerificationNotificationController.php
└── EmailVerificationPromptController.php
└── NewPasswordController.php
└── PasswordController.php
└── PasswordResetLinkController.php
└── RegisteredUserController.php
└── VerifyEmailController.php
└── Backend
└── AboutController.php
└── AdminController.php
└── AdminListController.php
└── AdminReviewController.php
└── AdminVendorProfileController.php
└── AdvertisementController.php
└── BlogCategoryController.php
└── BlogCommentController.php
└── BlogController.php
└── BrandController.php
└── CategoryController.php
└── ChildCategoryController.php
└── CodSettingController.php
└── CouponController.php
└── CustomerListController.php
└── FlashSaleController.php
└── FooterGridThreeController.php

Figure 78

└── Backend
└── FooterGridThreeController.php
└── FooterGridTwoController.php
└── FooterInfoController.php
└── FooterSocialController.php
└── HomePageSettingController.php
└── ManageUserController.php
└── MessageController.php
└── OrderController.php
└── PaymentSettingController.php
└── PaypalSettingController.php
└── ProductController.php
└── ProductImageGalleryController.php
└── ProductVariantController.php
└── ProductVariantItemController.php
└── ProfileController.php
└── RazorpaySettingController.php
└── SellerProductController.php
└── SettingController.php
└── ShippingRuleController.php
└── SliderController.php
└── StripeSettingController.php
└── SubCategoryController.php
└── SubscribersController.php
└── TermsAndConditionController.php
└── TransactionController.php
└── VendorConditionController.php
└── VendorController.php
└── VendorListController.php
└── VendorMessageController.php

Figure 79

```
  ➔ SliderController.php
  ➔ StripeSettingController.php
  ➔ SubCategoryController.php
  ➔ SubscribersController.php
  ➔ TermsAndConditionController.php
  ➔ TransactionController.php
  ➔ VendorConditionController.php
  ➔ VendorController.php
  ➔ VendorListController.php
  ➔ VendorMessageController.php
  ➔ VendorOrderController.php
  ➔ VendorProductController.php
  ➔ VendorProductImageGalleryController.php
  ➔ VendorProductReviewController.php
  ➔ VendorProductVariantController.php
  ➔ VendorProductVariantItemController.php
  ➔ VendorProfileController.php
  ➔ VendorRequestController.php
  ➔ VendorShopProfileController.php
  ➔ VendorWithdrawController.php
  ➔ WithdrawController.php
  ➔ WithdrawMethodController.php
```

Figure 80

Middleware

```
> Frontend
  Controller.php
  ProfileController.php
  Middleware
    Authenticate.php
    EncryptCookies.php
    PreventRequestsDuringMaintenance.php
    RedirectIfAuthenticated.php
    RoleMiddleware.php
    TrimStrings.php
    TrustHosts.php
    TrustProxies.php
    ValidateSignature.php
    VerifyCsrfToken.php
```

Figure 81

Models

```
FooterTitle.php
GeneralSetting.php
HomePageSetting.php
LogoSetting.php
NewsletterSubscriber.php
Order.php
OrderProduct.php
PaypalSetting.php
Product.php
ProductImageGallery.php
ProductReview.php
ProductReviewGallery.php
ProductVariant.php
ProductVariantItem.php
PusherSetting.php
RazorpaySetting.php
ShippingRule.php
Slider.php
StripeSetting.php
SubCategory.php
TermsAndCondition.php
Transaction.php
User.php
UserAddress.php
Vendor.php
VendorCondition.php
Wishlist.php
WithdrawMethod.php
WithdrawRequest.php
```

> Providers

Figure 82

Routes and Some examples

```
└─ routes
    └─ admin.php
    └─ api.php
    └─ auth.php
    └─ channels.php
    └─ console.php
    └─ vendor.php
    └─ web.php
```

Figure 83

```
80  /** about page route */
81  Route::get(uri: 'about', action: [PageController::class, 'about'])->name(name: 'about');
82  /** terms and conditions page route */
83  Route::get(uri: 'terms-and-conditions', action: [PageController::class,
84  'termsAndCondition'])->name(name: 'terms-and-conditions');
85  /** contact route */
86  Route::get(uri: 'contact', action: [PageController::class, 'contact'])->name
87  (name: 'contact');
88  Route::post(uri: 'contact', action: [PageController::class, 'handleContactForm'])->name
89  (name: 'handle-contact-form');
90
91  /** Product track route */
92  Route::get(uri: 'product-traking', action: [ProductTrackController::class, 'index'])->name
93  (name: 'product-traking.index');
94
95  /** Product routes */
96  Route::get(uri: 'show-product-modal/{id}', action: [HomeController::class,
97  'ShowProductModal'])->name(name: 'show-product-modal');
98  /** add product in wishlist */
99  Route::get(uri: 'wishlist/add-product', action: [WishlistController::class,
100  'addToWishlist'])->name(name: 'wishlist.store');
```

Figure 84

Admin Controller

```
1 ?php
2
3 namespace App\Http\Controllers\Backend;
4
5 use App\Http\Controllers\Controller;
6 use App\Models\Blog;
7 use App\Models\Brand;
8 use App\Models\Category;
9 use App\Models\NewsletterSubscriber;
10 use App\Models\Order;
11 use App\Models\ProductReview;
12 use App\Models\User;
13 use App\Models\Vendor;
14 use Illuminate\Http\Request;
15 use Illuminate\Support\Carbon;
16 use Illuminate\Support\Facades\Auth;
17 use Stripe\Review;
18
19 class AdminController extends Controller
20 {
21     public function dashboard()
22     {
23         $todaysOrder = Order::whereDate('created_at', Carbon::today())->count();
24         $todaysPendingOrder = Order::whereDate('created_at', Carbon::today())
25             ->where('order_status', 'pending')->count();
26         $totalOrders = Order::count();
27         $totalPendingOrders = Order::where('order_status', 'pending')->count();
28         $totalCancelledOrders = Order::where('order_status', 'canceled')->count();
29         $totalCompleteOrders = Order::where('order_status', 'delivered')->count();
30
31         $todaysEarnings = Order::where('order_status', '!=', 'canceled')
32             ->where('payment_status', 1)
33             ->whereDate('created_at', Carbon::today())
34             ->sum('sub_total');
35
36         $monthEarnings = Order::where('order_status', '!=', 'canceled')
37             ->where('payment_status', 1)
38             ->whereMonth('created_at', Carbon::now()->month)
39             ->sum('sub_total');
40
41         $yearEarnings = Order::where('order_status', '!=', 'canceled')
42             ->where('payment_status', 1)
43             ->whereYear('created_at', Carbon::now()->year)
44             ->sum('sub_total');
45
46         $totalReview = ProductReview::count();
47
48         $totalBrands = Brand::count();
49         $totalCategories = Category::count();
50         $totalBlogs = Blog::count();
51         $totalSubscriber = NewsletterSubscriber::count();
52         $totalVendors = User::where('role', 'vendor')->count();
53         $totalUsers = User::where('role', 'user')->count();
54
55
56         return view('admin.dashboard', compact(
57             'todaysOrder',
58             'todaysPendingOrder',
59             'totalOrders',
60             'totalPendingOrders',
61             'totalCancelledOrders',
62             'totalCompleteOrders',
63             'todaysEarnings',
64             'monthEarnings',
65             'yearEarnings',
66             'totalReview',
67             'totalBrands',
68             'totalCategories',
69             'totalBlogs',
70             'totalSubscriber',
71             'totalVendors',
72             'totalUsers'
73         ));
74     }
75
76     public function login()
77     {
78         return view('admin.auth.login');
79     }
80 }
81
82 
```

Figure 85

Route Files(admin.php | web.php)

```

  * /app
    -> ApplicationController::loadAdminController();
    -> ApplicationController::loadVendorController();
    -> ApplicationControllerFrontend\BlogController;
    -> ApplicationControllerFrontend\CartController;
    -> ApplicationControllerFrontend\DashboardController;
    -> ApplicationControllerFrontend\HomeController;
    -> ApplicationControllerFrontend\LoginController;
    -> ApplicationControllerFrontend\LogoutController;
    -> ApplicationControllerFrontend\OneClickOrderController;
    -> ApplicationControllerFrontend\ProfileController;
    -> ApplicationControllerFrontend\ProductsController;
    -> ApplicationControllerFrontend\PaymentController;
    -> ApplicationControllerFrontend\ReviewController;
    -> ApplicationControllerFrontend\SearchController;
    -> ApplicationControllerFrontend\ShippingController;
    -> ApplicationControllerFrontend\UserAddressController;
    -> ApplicationControllerFrontend\UserVehicleController;
    -> ApplicationControllerFrontend\WalletController;
    -> ApplicationControllerProfileController;
    -> Blueprint\CopyProfileRoute;
  }

  * Web Routes
  -> Route::get('/', [HomeController::class, 'index'])->name('home');

  Route::middleware('auth')->group(function () {
    Route::get('/profile', ProfileController::class, 'edit')->name('profile.edit');
    Route::post('/profile', ProfileController::class, 'update')->name('profile.update');
    Route::get('/profile/{id}', ProfileController::class, 'show')->name('profile.show');
  });

  require __DIR__.'/auth.php';

  Route::get('/web/{id}', [WebSiteController::class, 'index'])->name('web-site');

  * Product route
  Route::get('/products', [ProductController::class, 'index'])->name('product.index');
  Route::get('/products/{id}', [ProductController::class, 'show'])->name('product.show');
  Route::get('/change-products-for-view', [FrontendProductController::class, 'changeForView'])->name('change.products.for.view');

  ** Cart route
  Route::put('add-to-cart', [CartController::class, 'addCart'])->name('add.cart');
  Route::get('cart', [CartController::class, 'index'])->name('cart.index');
  Route::post('cart', [CartController::class, 'updateCartQTY'])->name('cart.update.quantity');
  Route::get('clear', [CartController::class, 'clearCart'])->name('cart.clear');
  Route::get('cart-items', [CartController::class, 'removeProductFromCart'])->name('cart.remove.product');
  Route::post('cart', [CartController::class, 'removeProductFromCart'])->name('cart.remove.product');
  Route::post('cart-product', [CartController::class, 'removeOlderProduct'])->name('cart.remove.older.product');
  Route::get('cart-item-remove-product', [CartController::class, 'cartItemRemoveProduct'])->name('cart.item.remove.product');
  Route::get('apply-coupon', [CartController::class, 'applyCoupon'])->name('apply.coupon');
  Route::get('coupons-calculation', [CartController::class, 'couponsCalculation'])->name('coupons.calculation');

  ** Newsletter route
  Route::post('newsletter-request', [NewsletterController::class, 'newLetterRequest'])->name('newsletter-request');
  Route::get('newsletter-only/submit', [NewsletterController::class, 'newEmailOnlySubmit'])->name('newsletter.only');

  ** Vendor route
  Route::get('vendor', [HomeController::class, 'vendorPage'])->name('vendor.index');
  Route::get('vendor-products/{id}', [HomeController::class, 'vendorProductsPage'])->name('vendor.products');

  ** About route
  Route::get('about', [PageController::class, 'about'])->name('about');

  Route::get('terms-and-conditions', [PageController::class, 'termsAndConditions'])->name('terms.and.conditions');
  ** Contact route
  Route::get('contact', [PageController::class, 'contact'])->name('contact');
  Route::post('contact', [PageController::class, 'submitContactForm'])->name('contact.form');

  ** Product route
  Route::get('product-making', [ProductFrontController::class, 'index'])->name('product.making.index');
  Route::get('product-details/{id}', [PageController::class, 'productDetails'])->name('product.details');
  Route::get('vlog', [BlogController::class, 'vlog'])->name('vlog');

  ** Show product model
  Route::get('show-product-model/{id}', [HomeController::class, 'showProductModel'])->name('show.product.model');
  ** Add product to wallet
  Route::get('wallet-add-product', [WalletController::class, 'addToWallet'])->name('wallet.add');

  * User group
  Route::group(['middleware' => 'auth', 'before' => 'user', 'as' => 'user'], function(){
    Route::get('dashboard', [UserDashboardController::class, 'index'])->name('dashboard');
    Route::get('profile', [UserProfileController::class, 'index'])->name('profile');
    Route::post('profile', [UserProfileController::class, 'updateProfile'])->name('profile.update');
    Route::post('profile', [UserProfileController::class, 'updateProfileUpdatePassword'])->name('profile.update.password');
  });

  ** Message Route
  Route::get('message', [UserMessageController::class, 'index'])->name('messages.index');
  Route::post('send-message', [UserMessageController::class, 'sendMessage'])->name('send.message');
  Route::get('get-messages', [UserMessageController::class, 'getMessages'])->name('get.messages');

  ** User Address Route
  Route::resource('address', UserAddressController::class);

  ** Order Route
  Route::get('order', [UserOrderController::class, 'index'])->name('orders.index');
  Route::get('get-orders', [UserOrderController::class, 'getOrders'])->name('get.orders');
  Route::post('order', [UserOrderController::class, 'show'])->name('order.show');

  ** Wallet Route
  Route::get('wallet', [WalletController::class, 'index'])->name('wallet.index');
  Route::get('withdrawals-products', [WalletController::class, 'index'])->name('wallet.demoney');

  ** Review Route
  Route::get('review', [ReviewController::class, 'index'])->name('review.index');

  ** Order request route
  Route::get('order-request', [UserOrderRequestController::class, 'index'])->name('order.request.index');
  Route::post('order-request', [UserOrderRequestController::class, 'store'])->name('order.request.create');

  ** Product review route
  Route::post('review', [ReviewController::class, 'store'])->name('review.create');

  ** Blog comment route
  Route::post('blog-comment', [BlogController::class, 'comment'])->name('blog.comment');

  ** CheckOut route
  Route::get('check-out', [CheckOutController::class, 'index'])->name('check.out');
  Route::post('check-address-create', [CheckOutController::class, 'createAddress'])->name('check.address.create');
  Route::post('check-destination-create', [CheckOutController::class, 'createDestination'])->name('check.destination.create');

  ** Payment route
  Route::get('payment', [PaymentController::class, 'index'])->name('payment');
  Route::get('payment-success', [PaymentController::class, 'paymentSuccess'])->name('payment.success');

  ** Pay payment route
  Route::get('pay-payment', [PaymentController::class, 'payWithPay'])->name('pay.payment');
  Route::get('pay-paymentsuccess', [PaymentController::class, 'payWithSuccess'])->name('pay.success');
  Route::get('pay-paymentcancel', [PaymentController::class, 'payWithCancel'])->name('pay.cancel');

  ** Pay with pay route
  Route::post('pay-with-pay', [PaymentController::class, 'payWithPay'])->name('pay.with.pay');

  ** Pay with cod route
  Route::get('cod-payment', [PaymentController::class, 'payWithCod'])->name('cod.payment');
  
```

Figure 86

Figure 87

Lighthouse testing (homepage)

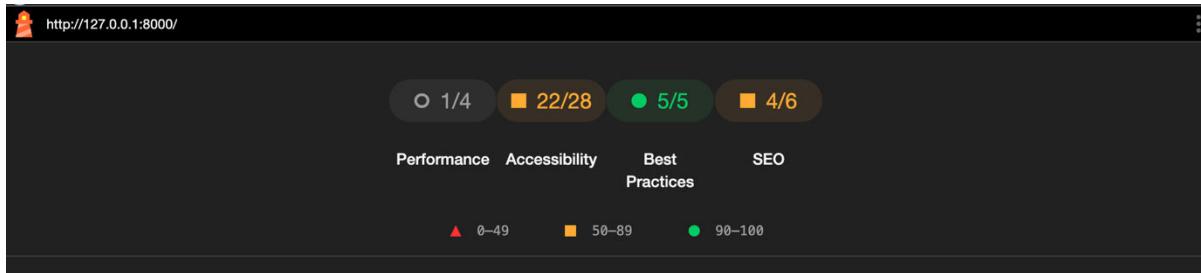


Figure 88

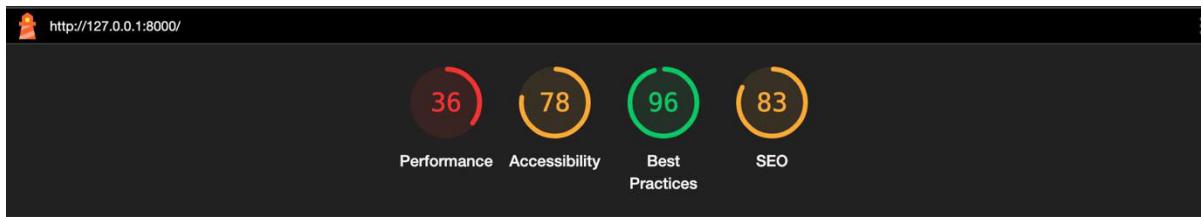


Figure 89

Lighthouse testing (admin dashboard)

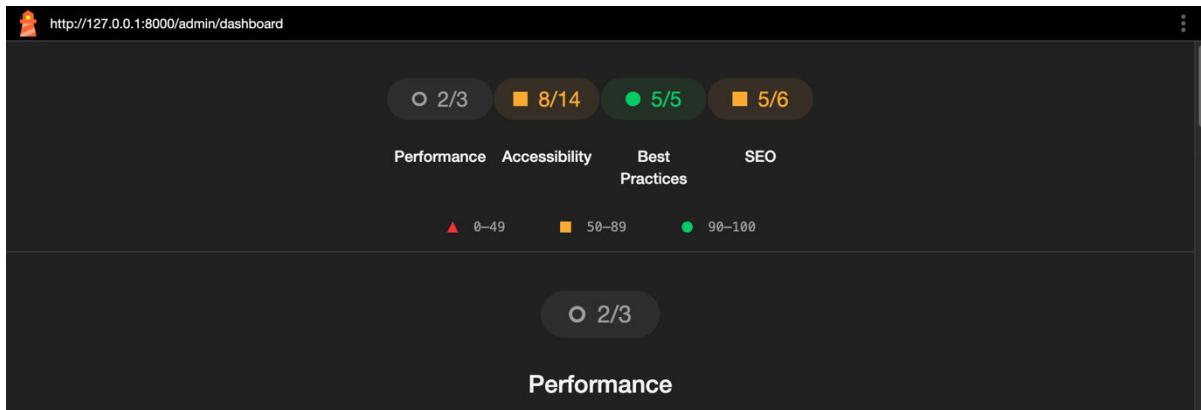


Figure 90

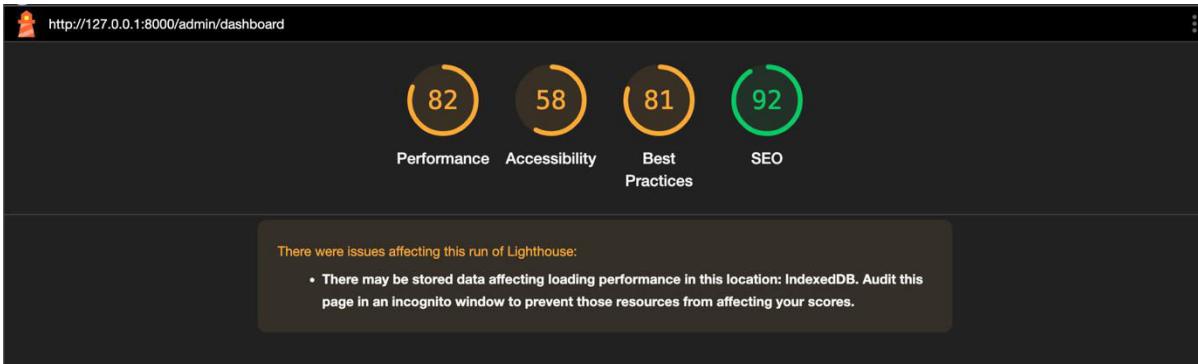


Figure 91

Test Cases

Test Case ID	Description	Input	Expected Output	Actual Output	Result
T01	User Proceeding with an order	Pressing the checkout button	Order must be displayed on the admin dashboard and the user dashboard	Order was displayed on the admin dashboard and the user dashboard	Pass
T02	Registering an account on the platform	Name: null Email: null Password: null Confirm Password: null	Toastr must show default validations “Email field is required” “Password field is required” “Name field is required”	Toastr shows default validations “Email field is required” “Password field is required” “Name field is required”	Pass
T03	Printing a receipt of the order details	go to the user dashboard “orders” section and print the order details using the ‘print’ button	Print function pops up with the details of the print	Print function popped up with the details of the print	Pass
T04	Admin adding a product through the dashboard, and it appears on the admin vendor shop frontend	Admin logs in to their respective dashboard and goes to the product category section and adds a new product under a category	The products need to appear on the admin shop’s frontend of the website	The products appeared on the frontend of the website	Pass

T05	Admin deletes a product through the dashboard, and it disappears from the admin shop frontend of the website	Admin logs in to their respective dashboard and goes to the product category section and deletes a product under a category	The products need to disappear from the admin shop's frontend of the website	The products disappeared from the admin shop's frontend of the website	Pass
T06	Checking if the chat Api is working	User logs into their dashboard and sends a message to one seller (vendor)	The seller (vendor) must receive the message that the user sent	The seller (vendor) receives the message that the user sent	Pass
T07	Checking if the add to Wishlist function is working	User hovers their pointer towards a product and clicks on the wish-list icon when it pops up	the item must be added to the users Wishlist	the item was added to the Wishlist	Pass
T08	Checking if the newsletter service is working (checking if the users are appearing as subscribers)	Users goes to the bottom of the website and inputs their email to the “subscribe to the newsletter” section	Admin must be able to retrieve the Users that have signed up to the newsletter from the admin dashboard’s “subscribers” section	Admin was able to retrieve the Users that have signed up to the newsletter from the admin dashboard’s “subscribers” section	Pass
T09	Checking if the newsletter service is working (checking if the message that the admin sends to the subscriber is appearing on the mail trap inbox or not)	Admin logs in to the admin dashboard and goes to the “subscribers” section and sends a message to the newsletter subscribers a	The message should be delivered on to the Mail-Trap inbox	The message was delivered to the Mail-Trap inbox	Pass
T10	Checking if the site-wide search function is working	Search “Asus” on the search bar	All the “Asus” products should be displayed	All the “Asus” products were displayed	Pass

Assumptions

To develop this website, the assumption was made that the store is located in one location since this is an online only platform

Future Upgrade Plan

several areas were identified as areas with potential to upgrade in this site,

1. Subscription Service:

The already implemented subscription service can be improved upon with integrating it into products as well and not just a newsletter service

Objective: Introduce recurring revenue by offering subscription-based products (e.g., monthly boxes, service subscriptions, etc.).

Key Features:

Subscription Plans: Allow users to subscribe to products or services on a recurring basis (e.g., monthly, quarterly).

Auto-Renewal & Cancellation: Provide automatic subscription renewal, with an option for users to cancel or pause their subscription.

Discounts for Subscribers: Offer discounts and special perks for users who subscribe to products or services.

Technical Requirements:

Create new subscriptions table to manage subscription plans and users.

Implement a payment system for recurring billing (e.g., Stripe, PayPal).

Add UI components for users to manage their subscriptions (e.g., pause, cancel, or update).

2. Search and filter service:

The already implemented site-wide subscription service can be improved upon with integrating it with artificial intelligence.

Objective: Improve the search experience with an intelligent search and filtering system that better understands user intent.

Key Features:

Natural Language Processing (NLP): Enhance search functionality using NLP to understand user queries more accurately.

Voice Search: Integrate voice search for users who prefer voice commands over typing.

Smart Filters: Automatically suggest filters based on search queries (e.g., size, brand, price).

Technical Requirements:

Integrate an AI-powered search solution like Elasticsearch or Algolia for fast and intelligent results.

Use pre-built NLP models or frameworks (e.g., Google NLP, OpenAI) to enhance search functionality.

Enhance product search performance by optimizing database queries and caching search results.

3. Loyalty Program and rewards system

A loyalty program can be implemented to the site. Points can be awarded for every purchase been made through the site, users can be allowed to get discounts using those loyalty points whenever they are purchasing a product again

Objective: Increase customer retention by offering a loyalty program with points and rewards for frequent shoppers.

Key Features:

Points System: Customers earn points for every purchase, which can be redeemed for discounts or rewards.

Tiered Rewards: Offer different reward levels based on customer spending or engagement (e.g., silver, gold, platinum tiers).

Referral Program: Allow users to refer friends and earn points or discounts when the referred user makes a purchase.

Technical Requirements:

Create new loyalty points and rewards tables to manage user points and reward tiers.

Integrate the loyalty system into the existing user accounts and shopping cart flow.

Build a referral tracking system linked to user accounts.

Expanding as a SaaS Solution

Expanding the Cloth-X e-commerce platform into a SaaS (Software as a Service) solution offers a scalable business model that allows other businesses to use this platform. Here are the three key points I was considering:

1. Multi-Tenant Architecture

Objective: Implement a multi-tenant architecture where multiple businesses can host their e-commerce stores on the same platform, but each business operates independently with its own data and configurations.

Technical Features:

Separate databases or logically segmented data for each tenant.

Tenant-specific customization options (e.g., themes, payment gateways, shipping methods).

Role-based access control for store owners and their employees.

2. Self-Service Onboarding & Store Customization

Objective: Provide an intuitive onboarding process that allows businesses to easily set up their online stores with minimal technical assistance.

Key Features:

Step-by-step store creation wizard, guiding users through adding products, configuring payment/shipping, and setting up storefront designs.

Drag-and-drop website builder with customizable templates for non-technical users.

Integration with popular third-party services (e.g., payment processors, shipping providers) to simplify the setup process.

3. Subscription Plans & Tiered Pricing

Objective: Create flexible subscription models with tiered pricing to accommodate businesses of different sizes and needs.

Key Features:

Offer basic, premium, and enterprise-level plans with varying features (e.g., product limits, transaction fees, support levels).

Implement usage-based pricing for additional services like storage, bandwidth, or advanced analytics.

Automated billing system for managing subscription payments and upgrades.