

SOFTWARE REQUIREMENTS SPECIFICATION

nopCommerce - eCommerce Demo Platform

Project Functional Requirement Specification

Version 1

1. Purpose of the document:

This is not a project plan. It is a guide for system architecture and development, not for phasing, timelines or deliverables. This document is divided into three sections:

- Project Overview
- Information Architecture
- System Design

2. Project Overview:

2.1 Audience:

This document is intended as a complete guide for end-users in using nopCommerce eCommerce platform. This document is specially designed for non-specialists; specialists may find the document a useful point of reference. By reading this guide, you will learn how to use nopCommerce through the elements of the graphical user interface and what's behind some of the advanced features that are not always obvious at first sight. It will hopefully guide you around some common problems that frequently appear for users of nopCommerce.

2.2 Hardware and Hosting:

nopCommerce demo store is hosted on cloud infrastructure optimized for eCommerce operations. The platform is deployed across multiple servers to ensure high availability and performance:

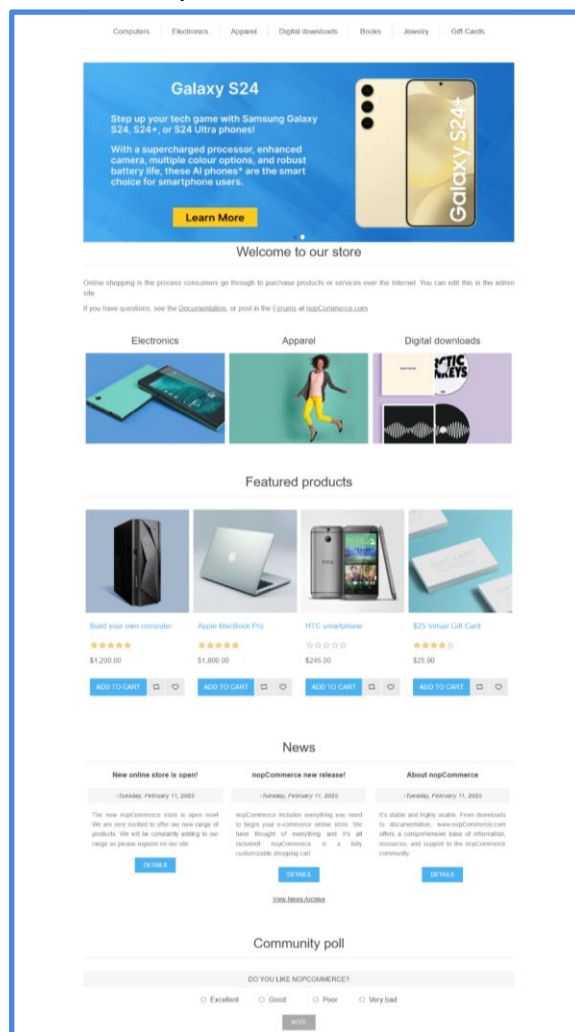
- Web Application Server - Hosts the main nopCommerce application and user interface.
- Database Server - Hosts the SQL Server database containing all store data.
- File Storage Server - Manages product images, documents, and media files.
- CDN Integration - Content Delivery Network for optimized global performance.

3. Information Architecture:

Access the nopCommerce Demo Store using the following URL: [nopCommerce](https://demo.nopcommerce.com)
Access from the registration page.

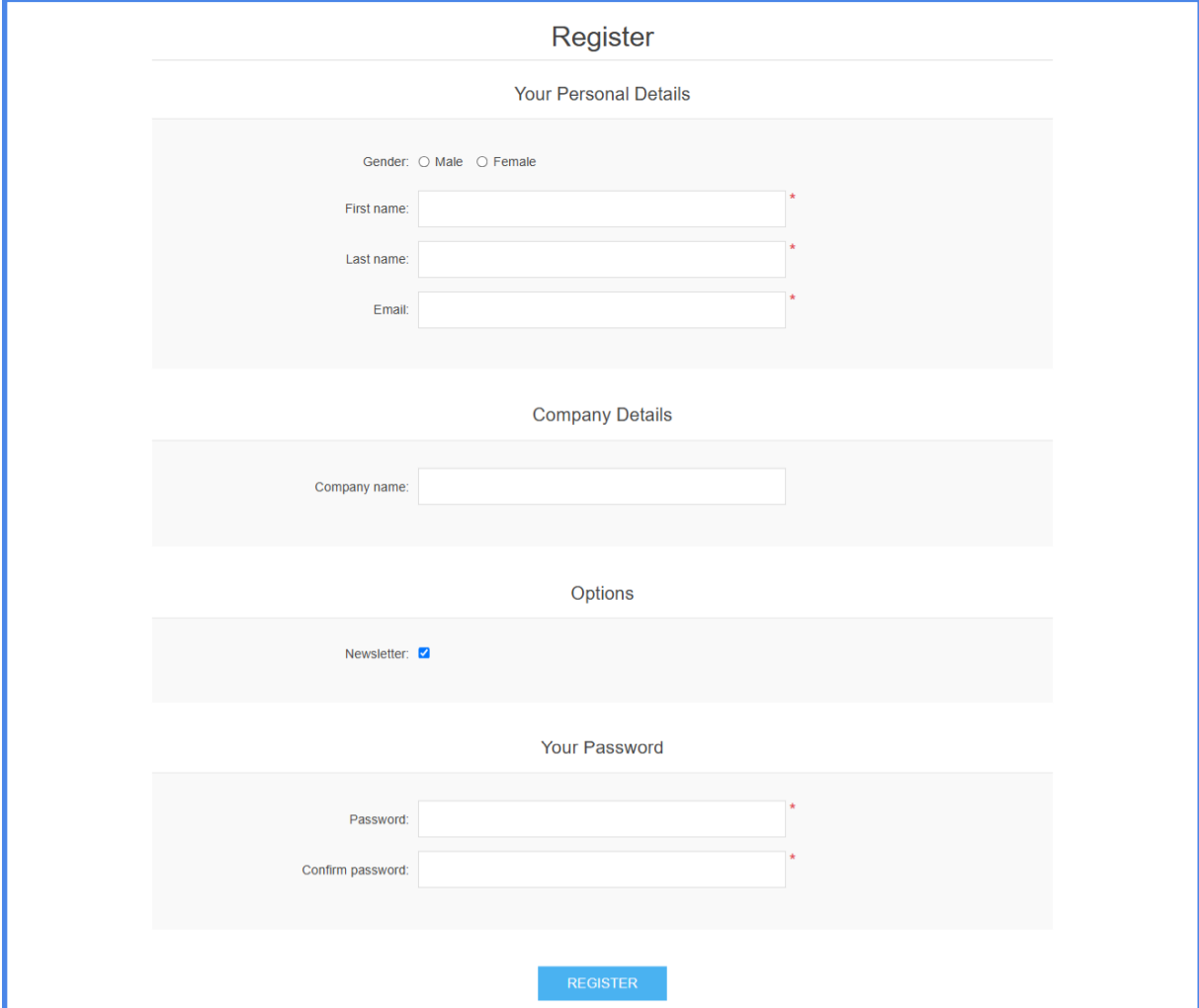
3.1 Customer Portal Module (Home Page):

The Customer Portal Module is a comprehensive tool providing store customers and registered customers with the ability to browse products, manage their accounts, place orders, and track purchases without requiring administrative intervention. The functionality of this module spans through the entire eCommerce experience, making shopping available anywhere, anytime. All customer information is subject to the store's defined privacy policy and security settings, where customers can only access and modify information they are authorized to view and edit.



3.1.1 User Registration and Authentication:

When a new customer accesses the nopCommerce store for the first time, they can either browse as a guest or register for a full account as shown in Figure 1.1. Registration provides access to additional features and personalized shopping experience.



The registration form is titled "Register" and is divided into several sections. The "Your Personal Details" section includes radio buttons for "Gender" (Male and Female), and text input fields for "First name", "Last name", and "Email", each with a red asterisk indicating it is required. The "Company Details" section has a text input field for "Company name". The "Options" section features a checked checkbox for "Newsletter". The "Your Password" section contains text input fields for "Password" and "Confirm password", both with red asterisks. A blue "REGISTER" button is located at the bottom of the form.

Figure 1.1 - User Registration Form

Required registration fields include:

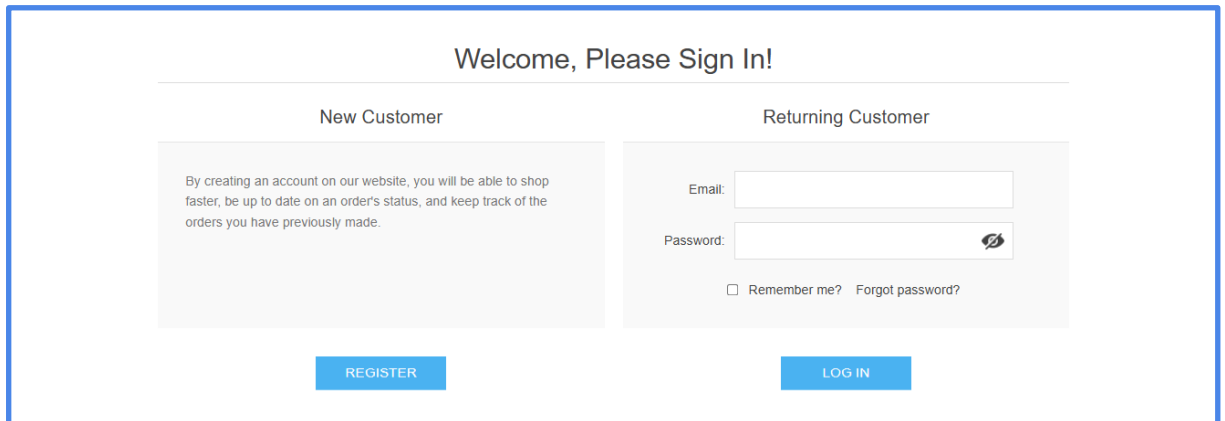
- First Name.
- Last Name.
- Email.
- Password.
- Confirm Password.

Optional registration fields may include:

- Company Name
- Newsletter Subscription
- Gender.

3.1.2 Login Functionality:

Upon logging in as shown in Figure 1.2 customers can access a personalized dashboard where they manage their profile, addresses, payment methods, wishlist, and shopping cart. They can also track orders, view history, and enjoy a secure, tailored shopping experience, Login Page includes:



The screenshot displays a login page titled "Welcome, Please Sign In!". It is divided into two main sections: "New Customer" and "Returning Customer". The "New Customer" section contains a text block explaining the benefits of creating an account and a blue "REGISTER" button. The "Returning Customer" section includes input fields for "Email:" and "Password:", a "Remember me?" checkbox, a "Forgot password?" link, and a blue "LOG IN" button.

- Email input field
- Password input field
- (Remember me) option (checkbox)
- (Forgot Password?) link
- (LOGIN) button
- Option to register a new account

3.2 Multi-currency Support:

The platform supports international commerce by allowing customers to select their preferred currency through the drop-down list located at the top-left of the page as shown in Figure 2.0. The available options include:

- US Dollar (USD)
- Euro (EUR)

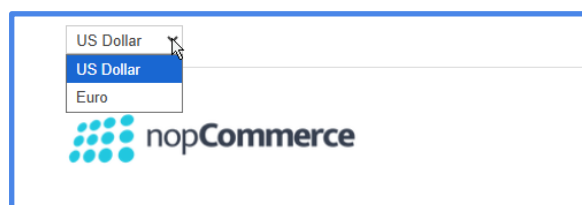


Figure 2.0

3.3 Product Catalog Management:

The Product Catalog is the core component of the nopCommerce platform, providing comprehensive product browsing, searching, and filtering capabilities for customers.

3.3.1 Category Navigation:

Products are organized in a hierarchical category structure as shown in Figure 3.1.0 The main categories include:

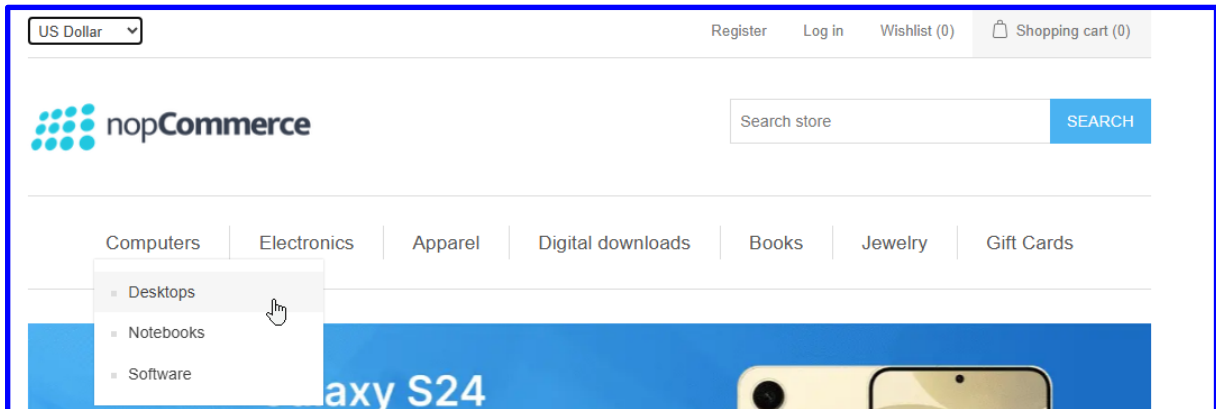


Figure 3.1.0.

3.3.2 Product Listing and Display:

Products within each category are displayed in a grid list format as shown in Figure 3.2.0 Each product listing includes:

- Product Image
- Product Name
- Rating and Reviews
- Price Information
- Add to Cart Button
- Add to Wishlist Button
- Add to Compare List Button
- Option to switch between Grid and List view

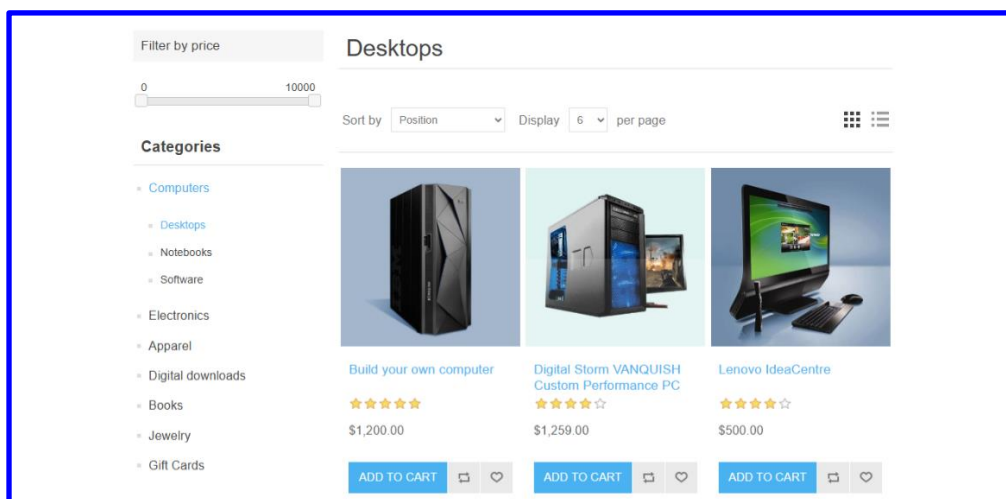


Figure 3.2.0

3.3.3 Product Detail Page:

Clicking on any product opens the detailed product page as shown in Figure 3.3.0 This page provides comprehensive product information including:

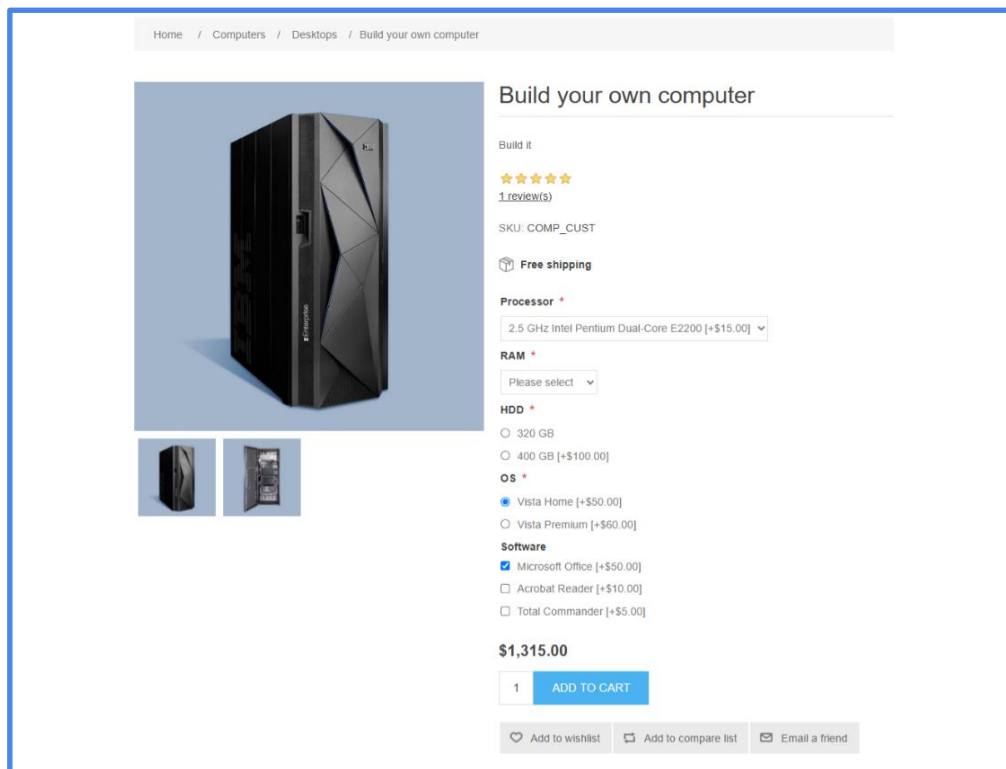


Figure 3.3.0

3.3.4 Search Functionality:

The platform provides advanced search capabilities as shown in Figure 3.4.0

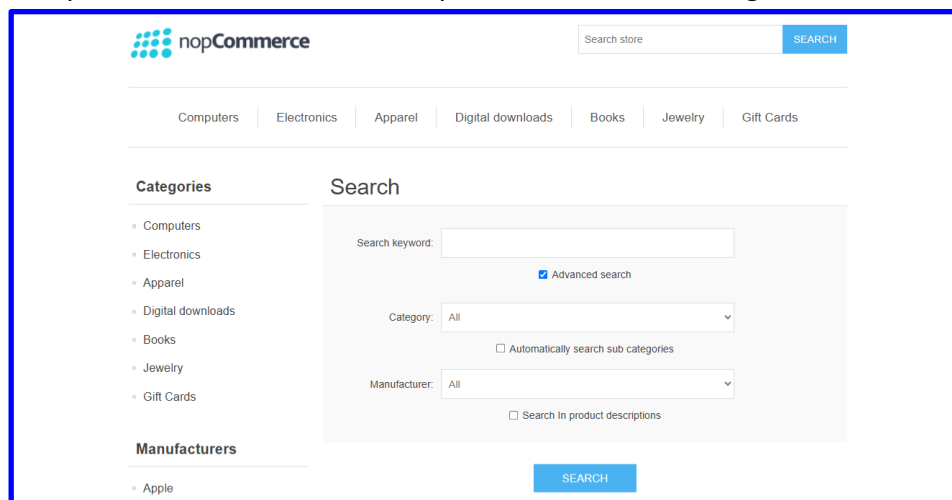


Figure 3.4.0

Customers can search using:

- Product name keywords
- Product descriptions
- Category filters

- Price range filters
- Brand filters
- Advanced search with multiple criteria

3.3.5 Wishlist Page:

The wishlist functionality allows customers to save and manage products they are interested in.

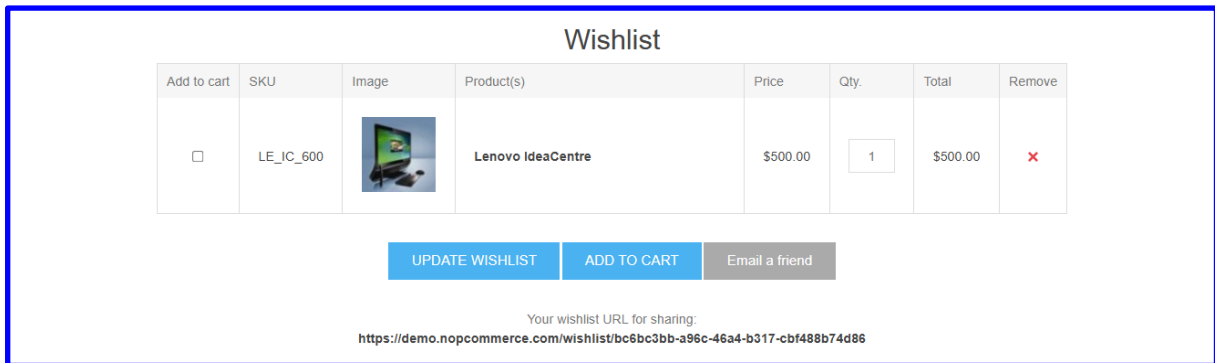


Figure 3.5.0

Clicking on the wishlist opens the wishlist page as shown in Figure 3.5.0 This page provides customers with the ability to manage their saved products, including:

- Viewing all saved items in a structured list
- Product name, short description, quantity and price
- Option to remove items from the wishlist
- Option to update the wishlist.
- Option to send the wish list to a friend via E-mail.
- Option to move items directly to the shopping cart.

3.4 Shopping Cart and Checkout Process:

The shopping cart functionality provides a seamless purchasing experience for customers.

3.4.1 Shopping Cart Management:

The shopping cart displays selected products as shown in Figure 4.1.0

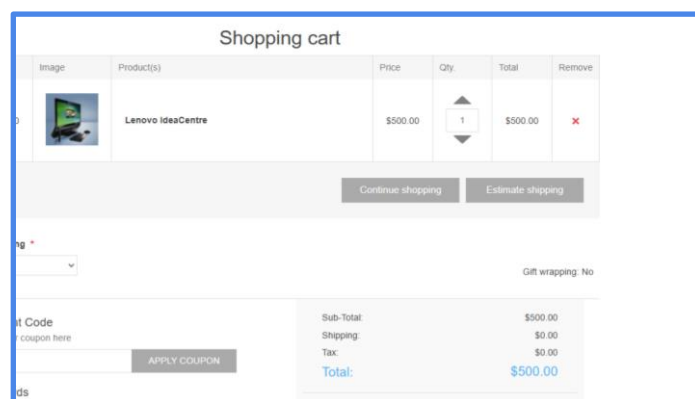




Figure 4.1.0

Cart functionality includes:

- Product quantity modification
- Product removal
- Price calculations
- Tax calculations
- Shipping cost estimates
- Discount code application
- Gift Cards application
- Gift wrapping Option
- Checkout Button

3.4.2 Checkout Process:

The checkout process is streamlined into clear steps as shown in Figure 4.2.0

SKU	Image	Product(s)	Price	Qty.	Total	Remove
LE_IC_600		Lenovo IdeaCentre	\$500.00	1	\$500.00	

Continue shopping Estimate shipping

Gift wrapping *
No

Gift wrapping: No

Discount Code
Enter your coupon here
APPLY COUPON

Gift Cards
Enter gift card code
ADD GIFT CARD

Sub-Total: \$500.00
Shipping: \$0.00
Tax: \$0.00
Total: \$500.00

☐ I agree with the terms of service and I adhere to them unconditionally (read)

CHECKOUT

Figure 4.2.0

- Billing Address
- Shipping Address
- Shipping Method Selection
- Payment Method Selection
- Payment Information
- Confirm Order

3.5 Logout Functionality:

Logout functionality is accessible through a button located at the top-right corner as shown in Figure 5.0. By clicking this button, the customer is securely logged out of the platform.

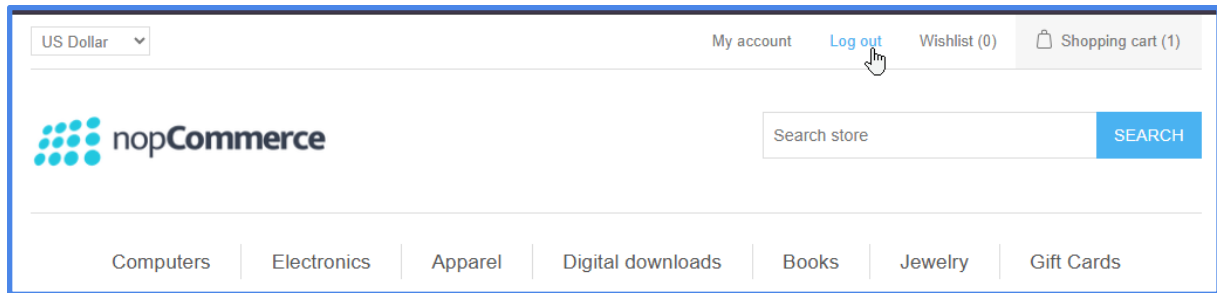


Figure 5.0.

3.6 Footer:

The footer section is located at the bottom of every page, providing quick access to essential links such as contact information, privacy policy, terms of service, and social media channels. This ensures users can easily navigate to important resources regardless of where they are on the platform.

