

1. E-commerce User Platform Requirement

Brands

- User should browser product according to brand
- Each brand should have a name, logo, and description.
- Brands should be displayed alongside products to help users identify products from specific manufacturers.

Categories

- The system needs a category structure to organize products.
- Categories should be easy to manage.
- Products should be assigned to one category.
- User should browser product according to category.

Products

- Products should have attributes such as name, description, price, and stock status.
- Users should be able to search, filter, and sort products based on various criteria.
- Easy section for 'popular' , 'new', 'top', 'special', 'trending' , 'regular'
- Must have slider section to featured product Product should have it's details & reviews

- Similar product should listed below the one product details

Product Details:

- Detailed product pages should include comprehensive information, images, and reviews.
- Users should be able to see product availability and related products.

Product Reviews:

- Users should be able to leave reviews and ratings for products.
- Reviews should display user names, ratings, and comments.

Product Sliders:

- The platform should support dynamic sliders to showcase featured products.
- Administrators should be able to select products to be displayed in the sliders.
- Sliders should be customizable in terms of layout and appearance.

Customer Profiles

- Users should be able to create and manage their profiles.

- Profiles should include personal information, order history, and saved addresses.
- The platform should have easy 2 step OTP based login system

Product Carts

- Users should be able to add and remove products from their shopping carts.
- Carts should display product details, quantities, prices, and a total amount.
- Users should have the option to save carts for later or proceed to checkout.

Product Wishes

- Users should be able to create and manage wish lists of products.
- Wishlist's should be linked to user profiles for easy access.
- Users should have the option to move items from their Wishlist to their cart.

Invoices

- Each successful transaction should generate an invoice.
- Invoices should contain details such as order number, date, total amount, and billing information.
- Users should be able to view and download their invoices from their accounts.

Invoice Products

- Each invoice should list the products purchased in that transaction.
- The list should include product names, quantities, prices, and subtotal for each item.
- Totals should include subtotals, vat, and other charges.

SSLCommerz Payment GETWAY

- The platform needs integration with SSLCommerz for secure payments.
- Users should be able to link their SSLCommerz accounts for seamless transactions.
- Payment processing should be encrypted and compliant with security standards.

Framework & Languages

- Express.js Back End
- MongoDB Database
- React.js Front End