Software Requirements:

User Authentication:
The system should provide secure user authentication for both customers and internal team members.

Product Catalog Management:
The system should allow administrators to manage product listings, including adding new products, updating product details, and removing products.

Search and Navigation:
Customers should be able to search for products based on keywords, categories, or filters, and navigate through the product catalog easily.

Shopping Cart:
The system should support a shopping cart feature, allowing customers to add products, view cart contents, update quantities, and remove items.

Checkout Process:
The system should facilitate a seamless checkout process, allowing customers to enter shipping and billing information, select payment methods, and place orders securely.

Payment Gateway Integration:
The system should integrate with various payment gateways to process online payments securely, including credit/debit cards, digital wallets, and other payment methods.

Order Management:
Administrators should have the ability to manage orders, view order details, update order status, and generate invoices and packing slips.

Inventory Management:
The system should provide inventory management capabilities, allowing administrators to track stock levels, manage product availability, and receive notifications for low stock items.

Shipping Integration:
The system should integrate with shipping carriers to calculate shipping costs, generate shipping labels, and provide shipment tracking information to customers.

Reporting and Analytics:
The system should include reporting and analytics tools to generate insights into sales performance, customer behavior, and inventory trends, enabling informed decision-making.

Scalability and Customization:
The system should be scalable and customizable to accommodate future growth and adapt to evolving business requirements.

Security:
The system should adhere to industry-standard security practices to protect sensitive customer information, prevent unauthorized access, and ensure data integrity.

Usability and Performance:
The system should provide a user-friendly interface for both customers and administrators and maintain high performance to support a smooth and responsive shopping experience.

Compliance:
The system should comply with relevant regulatory requirements and standards, such as PCI DSS for handling payment card data and GDPR for data protection and privacy.