**AAM store requirements**

\_\_- User Experience (UX)

- Checkout: Simplify the buying process to provide a secure and hassle-free checkout for customers.

\_\_- Mobile Responsiveness

- Responsive Design: Optimize the website for mobile devices to guarantee a consistent experience across various screen sizes.

\_\_- Product Listings

- Product Descriptions: Present clear and comprehensive product descriptions to assist customers in making informed purchasing decisions.

\_\_- Shopping Cart and Checkout

- Shopping Cart: Provide a user-friendly shopping cart feature that allows customers to easily add and manage items.

- Secure Checkout: Implement robust security measures to protect customer information and transactions during the checkout process.

\_\_- User Registration and Account Management

- User Registration: Enable customers to create accounts for a personalized shopping experience.

- Account Management: Allow users to update and manage their account details effortlessly.

\_\_- Security

- Data Security: Implement advanced security protocols to ensure the safety of customer data and transactions.

\_\_- Search Functionality

- Product Search: Incorporate an efficient product search function, enabling users to find products quickly and easily.

// plus:

- Shipping Integration (+): Connect to external shipping services to provide real-time shipping options and tracking.

- Payment Integration (+): Integrate secure and reliable payment options for seamless and secure transactions.

- Hosting Service Selection (+): Choose a reputable hosting service to ensure website reliability and performance.

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These front-end requirements align with the essential functionalities and user experience goals defined in the back-end requirements for your e-commerce website development.

\_\_- 2. Back-end Requirements

- Database

\_\_- 1. Product Table:

- Contains information about the products you sell, such as product ID, name, description, price, stock quantity, product category, and images.

\_\_- 2. Category Table:

- Stores product categories or product groupings to help with product organization and navigation.

\_\_- 3. Customer Table:

- Contains customer information like customer ID, name, email, billing address, shipping address, and contact information.

\_\_- 4. Order Table:

- Records details about each customer order, such as order ID, order date, customer ID, and total order amount.

\_\_- 5. Order Items Table:

- Stores information about individual items within an order, including product ID, quantity, price, and any discounts applied.

\_\_- 6. Cart Table:

- Temporary storage for items that customers have added to their shopping carts before checking out.

\_\_- 7. User Table:

- If your e-commerce platform requires user registration and accounts, this table stores user credentials, such as usernames, passwords, and user roles.

\_\_- 8. Payment Table:

- Records payment details for each order, including payment method, transaction ID, and payment status.

\_\_- 9. Shipping Table:

- Contains information related to shipping methods, costs, and delivery options.

\_\_- 10. Reviews and Ratings Table:

- Stores product reviews and ratings submitted by customers, including details like product ID, user ID, review text, and rating.

\_\_- 11. Wishlist Table:

- If your platform allows users to create wishlists, this table stores the relationships between users and the products they've added to their wishlists.

\_\_- 12. Promotions and Coupons Table:

- If you offer discounts, promotions, or coupon codes, this table stores information about active promotions, including their codes, expiration dates, and discount percentages.

\_\_- 13. Inventory Table:

- Keeps track of the current stock levels for each product, helping you manage product availability.

\_\_- 14. Sessions and Carts Table:

- Stores session data for tracking active user sessions and managing shopping carts. This can be important for maintaining state between page visits.

\_\_- 15. Log Table:

- Logs and tracks important system events, errors, and user activities for debugging and security monitoring.

\_\_- 16. Localization and Currency Table:

- If your e-commerce website caters to multiple regions, you may need tables to manage localized content and currency exchange rates.

\_\_- Content Management

- System to add, update, and manage products.

\_\_- Order Processing

- Manage orders and track inventory.

\_\_- Search Functionality

- Ensure users can easily find products.

# Role-Based Access Control

# CMS (Content Management System)

// plus

- Connect to external services for shipping (+)

- Integrate secure payment options (+)

- Choose a reliable service to host the website (+)

- Localization and Currency: Specify how the website will handle multiple regions and currencies, including currency exchange rate updates (+)