

Component Documentation

Overview

This project uses reusable components grouped by domain:

- components/library for feature and product UI
 - components/library/layout for layout UI
 - components/cart for cart state and actions
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Hero

- **File:** components/library/Hero.tsx
- **Purpose:** Frontpage hero carousel with product slide, arrows, dots, and auto-slide.
- **Props**
 - :
 - products: Product[]
- **Behavior**
 - :
 - Displays one product per slide
 - Loops automatically every 10s
 - Supports manual next/previous and dot navigation

ProductCard

- **File:** components/library/ProductCard.tsx
- **Purpose:** Reusable product tile for listing/featured/similar sections.
- **Props**
 - :
 - product: Product
- **Behavior**
 - :
 - Links to PDP (/products/[id])
 - Shows image, title, category
 - Includes Add-to-cart action

FeaturedProducts

- **File:** components/library/FeaturedProducts.tsx
- **Purpose:** Reusable product collection renderer.
- **Props**
 - products: Product[]
 - currentProduct?: Product
 - title?: string
 - emptyMessage?: string
 - limit?: number
 - className?: string
- **Behavior**
 - Optional filtering out of current product (used on PDP)
 - Optional item limit (used for similar products)

Header / Footer / CartIndicator

- **Files**
 - components/library/layout/Header.tsx
 - components/library/layout/Footer.tsx
 - components/library/layout/CartIndicator.tsx
- **Purpose**
 - Global navigation and footer links
 - Live cart count badge in header

CartProvider

- **File:** components/cart/CartProvider.tsx
- **Purpose:** Global client-side cart state.
- **Exposed API**
 - items
 - itemCount
 - subtotal
 - addItem(product)
 - removeItem(productId)
 - updateQuantity(productId, quantity)
 - clearCart()
- **Persistence**
 - Cart is stored in localStorage.

AddToCartButton

- **File:** components/cart/AddToCartButton.tsx
- **Purpose:** Shared add-to-cart interaction.
- **Props**
 - product: Product
 - className?: string
 - label?: string