**E-Commerce Dashboard Structure (Customer UI Layout)**

**Designed for a seamless user experience (UX) and easy navigation based on your database schema.**

**1. Header (Top Bar)**

**Purpose:** Quick access to key actions and user controls.  
**Contains:**

* **Logo & Brand Name** (Links to Home)
* **Search Bar** (Product search with filters)
* **Navigation Links:**
  + Home
  + Shop (Categories)
  + Deals/Discounts
  + About/Contact
* **User Controls:**
  + Account (Dropdown: Profile, Orders, Wishlist, Logout)
  + **Cart Icon** (With item count)
  + **Wishlist Icon**

**2. Sidebar (Optional – Mobile/Filter Panel)**

**Purpose:** Filters for product browsing (visible on mobile/shop pages).  
**Contains (When Expanded):**

* **Categories** (Hierarchical from Category model)
* **Price Range Filter**
* **Product Attributes** (Color, Size – from ProductVariant)
* **Rating Filter** (From Review model)

**3. Body (Main Content Area)**

**Dynamic content based on user navigation.**

**A. Homepage**

* **Hero Banner** (Promotions/Discounts)
* **Featured Products** (From Product.is\_featured)
* **Top Categories** (Grid of Category with images)
* **Deals of the Day** (From Discount model)
* **Customer Reviews** (From Review model)

**B. Product Listing (Shop Page)**

* **Product Cards (Grid/List View)**
  + Image (From ProductImage)
  + Name, Price (From Product.current\_price)
  + Rating (Avg from Review)
  + **"Add to Cart" / "Wishlist"** Buttons
* **Sorting Options** (Price: Low-High, Newest, Rating)
* **Pagination**

**C. Product Details Page**

* **Product Gallery** (ProductImage carousel)
* **Title & Price**
* **Variants Selector** (From ProductVariant)
* **"Add to Cart" / "Buy Now"** Buttons
* **Description & Specifications**
* **Reviews Section** (List of Review + Add Review Form)

**D. Cart Page**

* **Cart Items Table** (From CartItem)
  + Product Image, Name, Variant
  + Quantity Adjuster
  + Price (subtotal per item)
* **Order Summary**
  + Subtotal, Tax, Shipping (From Order.subtotal, Order.tax, etc.)
* **Discount Code Input** (Links to Coupon)
* **Checkout Button**

**E. Checkout Page**

* **Shipping Address Form** (Pre-fill from Address if logged in)
* **Payment Method** (Stripe/PayPal options)
* **Order Review** (Final cart summary)
* **Place Order Button** (Creates Order record)

**F. User Dashboard (Post-Login)**

* **Order History** (List of Order with status)
* **Wishlist** (From Wishlist model)
* **Saved Addresses** (CRUD for Address)
* **Account Settings** (Edit UserProfile)

**4. Footer**

**Purpose:** Secondary navigation and company info.  
**Contains:**

* **Quick Links:**
  + About Us
  + Shipping Policy
  + Returns/Refunds (Links to Refund process)
  + Contact Info
* **Newsletter Signup** (Links to User.newsletter\_subscribed)
* **Social Media Links**

**🎨 UX Recommendations**

✅ **Guest Checkout**

* Allow orders without account creation.

✅ **One-Click Buy**

* Skip cart for logged-in users with a default Address.

✅ **Wishlist-to-Cart**

* Bulk add items from Wishlist to Cart.

✅ **Order Tracking**

* Share Order.status updates via email.

**Example User Flow**

1️⃣ **User lands on Homepage** → Browses **Featured Products**.  
2️⃣ Clicks a **Product** → Selects **Variant** → Adds to **Cart**.  
3️⃣ Proceeds to **Checkout** → Enters **Shipping Address** → Pays → **Order created**.  
4️⃣ Views **"My Orders"** → Tracks **delivery status**.

**📱 Mobile Optimization**

* **Hamburger Menu** (Replaces sidebar on mobile).
* **Sticky Cart Icon** (Always visible).
* **Collapsible Filters** (Price, Categories).

# ****E-Commerce Dashboard Structure (Customer UI Layout – HTML, CSS, JAVASCRIPT)****

**A clear, component-based breakdown of the customer dashboard, focusing on structure and content organization.**

## ****1. Header****

**Purpose:** Global navigation and quick actions.  
**Contains:**

* **Logo** (Links to homepage)
* **Search Bar** (Product search with auto-suggestions)
* **Navigation Links:**
  + Home
  + Shop (All Products)
  + Categories (Dropdown)
  + Deals/Sales
  + Contact
* **User Controls (Right Side):**
  + **Account Icon** (Dropdown: Login/Register, Orders, Wishlist, Logout)
  + **Cart Icon** (With item count)
  + **Wishlist Icon**

## ****2. Body (Dynamic Content Area)****

**Content changes based on user navigation.**

### ****A. Homepage****

* **Hero Banner** (Promotional slideshow)
* **Featured Categories** (Grid of Category images with links)
* **Trending Products** (Carousel of Product.is\_featured = True)
* **Deals of the Day** (Products with DiscountedPrice)
* **Testimonials** (Top Review entries)

### ****B. Product Listing Page****

#### **Filters Sidebar (Left Panel)**

* **Price Range**
* **Categories** (From Category model)
* **Variants** (Color/Size from ProductVariant)
* **Ratings** (From Review)

#### **Product Grid (Right Panel)**

Each **Product Card** contains:

* **Product Image** (From ProductImage)
* **Name** (From Product.name)
* **Price** (From Product.current\_price)
* **"Add to Cart" Button**
* **"❤️ Wishlist" Button**

### ****C. Product Details Page****

#### **Left Column**

* **Product Image Gallery** (From ProductImage)

#### **Right Column**

* **Product Name**
* **Price** (With discount if Product.discounted\_price exists)
* **Variant Selector** (From ProductVariant)
* **Quantity Selector**
* **"Add to Cart" / "Buy Now"** Buttons
* **Short Description** (From Product.short\_description)

#### **Bottom Section**

* **Full Description** (From Product.description)
* **Reviews** (From Review model)

### ****D. Cart Page****

#### **Cart Items List**

* **Thumbnail, Name, Variant**
* **Quantity Adjuster**
* **Price** (CartItem.subtotal)
* **Remove Button**

#### **Order Summary**

* **Subtotal**
* **Shipping Cost**
* **Tax**
* **Total**
* **Discount Code Input**
* **"Proceed to Checkout" Button**

### ****E. Checkout Page****

#### **Shipping Address Form**

* **Full Name, Email, Phone**
* **Address** (From Address model or new input)

#### **Payment Method**

* **Credit Card, PayPal, etc.**

#### **Order Review**

* **Cart Summary (Items, Total)**
* **"Place Order" Button**

### ****F. User Account Pages****

#### **Order History**

* **List of Order with Status**
* **"Track Order" Buttons**

#### **Wishlist**

* **Grid of saved Product entries**

#### **Address Book**

* **List of saved Address entries**
* **"Add New Address" Button**

## ****3. Footer****

**Purpose:** Secondary navigation and company info.  
**Contains:**

* **Quick Links:**
  + About Us
  + Shipping Policy
  + Returns/Refunds
  + Privacy Policy
* **Contact Info** (Email, Phone, Social Media)
* **Newsletter Signup** (Links to User.newsletter\_subscribed)

# 🎨 ****Key UI Notes****

✅ **Mobile-Friendly**

* **Hamburger menu** replaces header links on small screens.
* **Sticky cart icon** at the bottom.

✅ **Consistent Design**

* **Same product card style** across shop, homepage, and wishlist.

✅ **CTAs (Call-to-Action)**

* **"Add to Cart" and "Buy Now"** buttons stand out.

# ****Example User Flow****

1️⃣ **Homepage** → Covers promotions.  
2️⃣ **Shop Page** → Filters products.  
3️⃣ **Product Page** → Adds to cart.  
4️⃣ **Checkout** → Completes purchase.