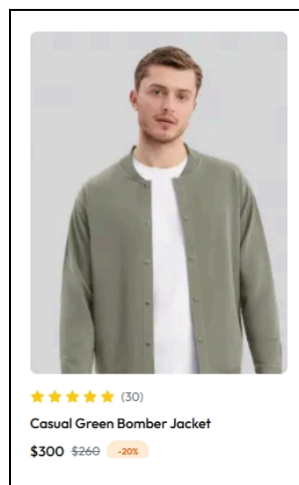# Day 4

Building Dynamic Frontend Components for Your Marketplace

Product Listing Component:

- Rendered product data dynamically in a responsive grid layout.
- Included essential fields such as:
  - **Product Name:** Displayed prominently on each product card.
  - **Price:** Highlighted for easy visibility.
  - **Image:** Integrated with lazy loading to improve performance.
- Implemented a visually appealing card layout for each product to ensure a user-friendly interface and smooth browsing experience.

★★★★★ (30)
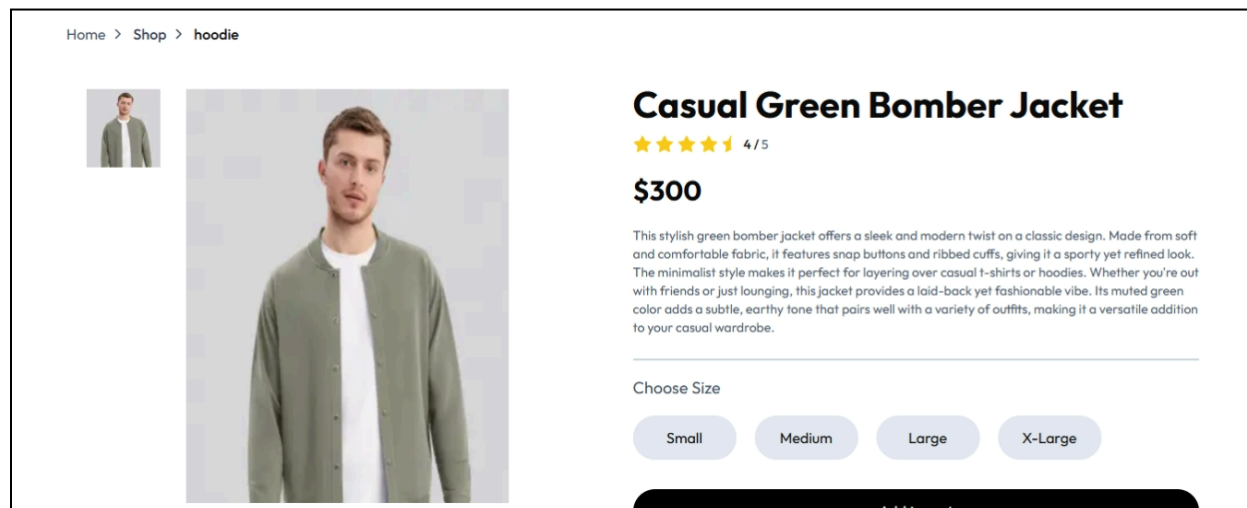Casual Green Bomber Jacket
$300 $260 -20%

Product Detail Component:

Created individual product detail pages using **dynamic routing** in Next.js.
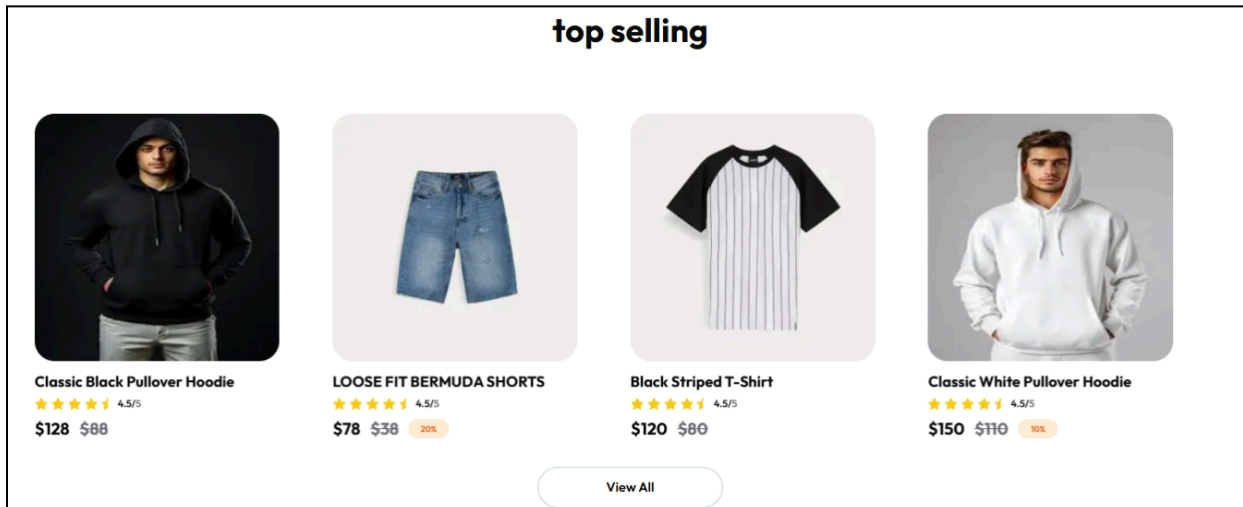
Included comprehensive product details, such as:

- **Product Description:** Displayed a detailed overview for each product.
- **Price:** Highlighted prominently.
- **Available Sizes/Colors:** Provided interactive options to select from available variants.
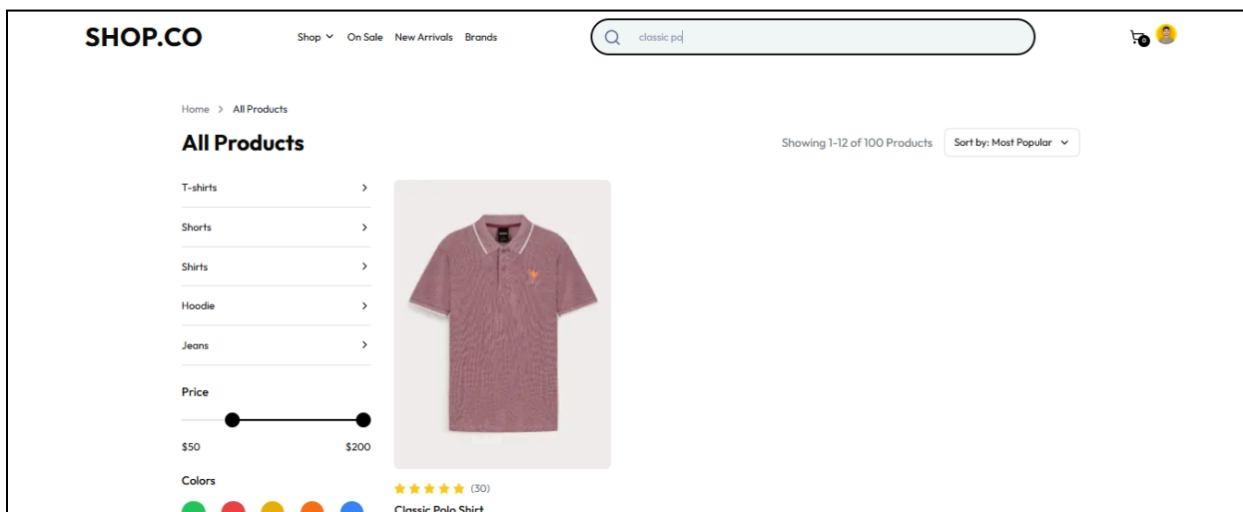

Category Component:

- Dynamically fetched and displayed product categories from the data source.
- Implemented category-based product filtering to allow users to view products specific to their selected category.
- Ensured efficient state management for smooth and responsive filtering without page reloads.

top selling

Classic Black Pullover Hoodie
★★★★★ 4.5/5
$128 $88

LOOSE FIT BERMUDA SHORTS
★★★★★ 4.5/5
$78 $38 20%

Black Striped T-Shirt
★★★★★ 4.5/5
$120 $80

Classic White Pullover Hoodie
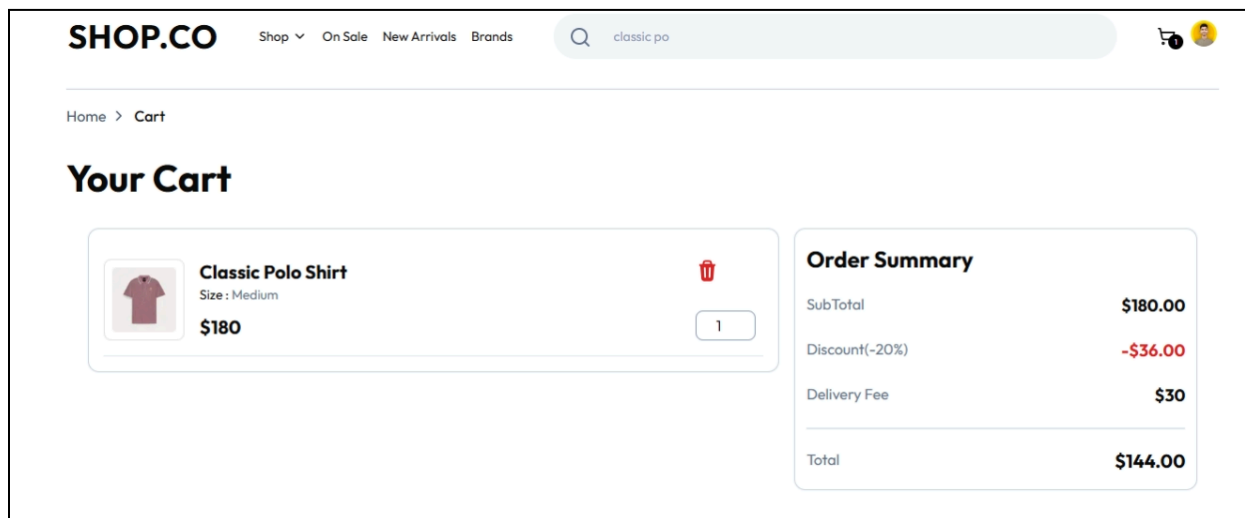★★★★★ 4.5/5
$150 $110 10%

View All

Search Bar:

- Implemented a robust **search functionality** to filter products by **name** or **tags**.
- Enabled real-time search updates to enhance user experience.
- Optimized search queries for faster and accurate results even with large product datasets.

Cart Component:

- Displayed added items in the cart, including **product name**, **quantity**, and **total price**.
- Used efficient **state management** to track cart items and handle real-time updates.
- Ensured seamless cart operations such as adding, updating, and removing items for an enhanced user experience.

User Profile Component:

Displayed **user-specific details** dynamically, including:

- **Name:** Fetched and rendered the user's full name.
- **Email:** Displayed securely without exposing sensitive information.
- **Saved Addresses:** Listed user-provided addresses for easy selection during checkout.

Ensured proper **authentication** and **data security** when fetching and displaying user details.