

# AMEER *HAMZA*



## ABOUT

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## Day 4 - Building a Dynamic Marketplace

This document provides a detailed look at the key features of a dynamic marketplace, emphasizing modular design, reusability, and smooth integration with Sanity CMS. Each feature is explored in-depth, followed by a summary of how it all comes together.

## Step 1: Overview of Key Features

- Discounted Products List
- List and Grid view
- Product Detail Page
- Paginations
- Dynamic URL Handling
- Shopping Cart
- Checkout Process
- Price Calculation System
- Storing orders to sanity

Each of these features is critical for building a responsive, scalable marketplace.

### Discounted products

## LOOSE FIT BERMUDA SHORTS

4.5/5 ⭐

\$78

~~\$93.60~~

20% off



These Loose Fit Bermuda Shorts are designed for comfort and laid-back style. Made from lightweight, breathable fabric, these shorts offer a relaxed fit that hits just above the knee. The versatile design features a classic waistband with belt loops, side pockets, and a simple yet stylish look perfect for casual outings or beach days. Pair them with your favorite t-shirt or tank for a cool and comfortable summer outfit.

Select Color

Choose Size

L

S

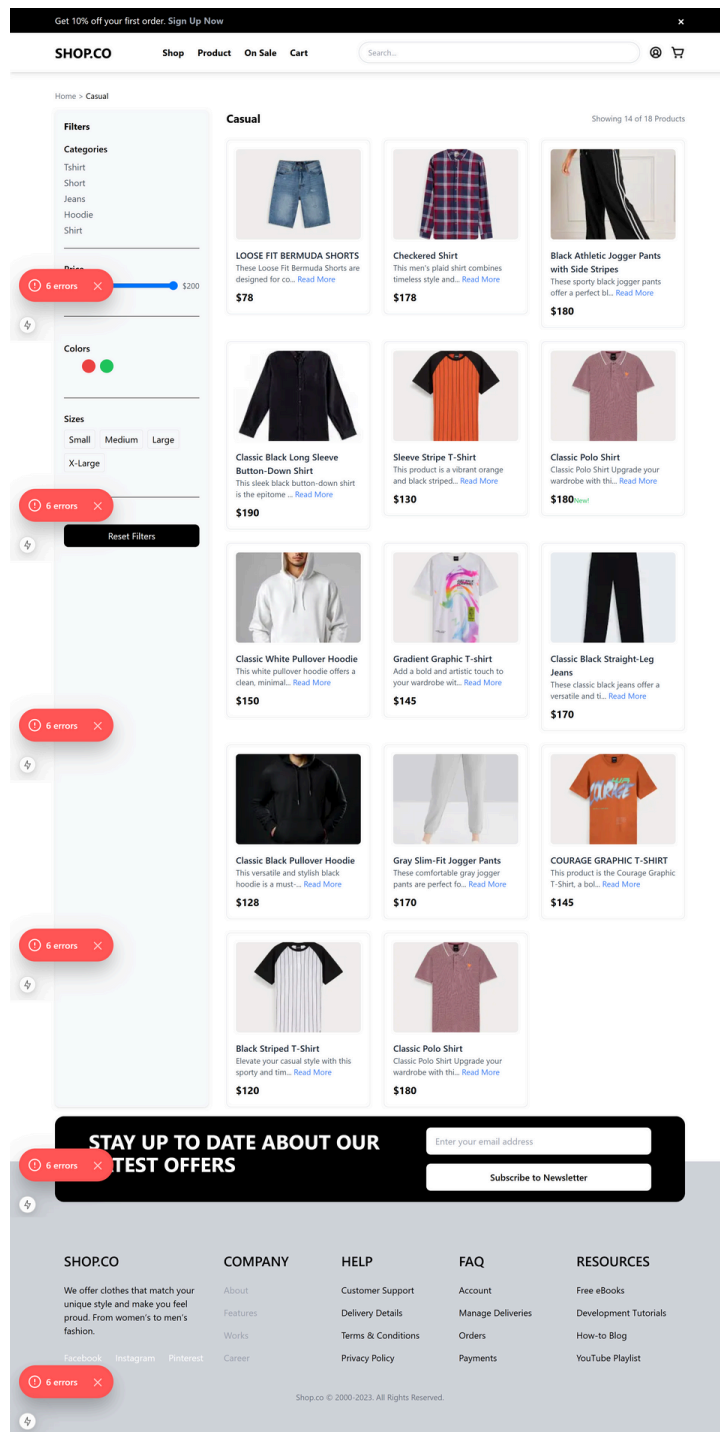
XL

M

Add to Cart

7 errors

⚡



## Shop page

# Step 2: Detailed Breakdown of Features

## 1 - Product Catalog Page

The Product Catalog Page is where users can browse all available items, including discounted ones, in an organized and visually appealing way. Products are dynamically pulled from Sanity CMS and shown in a grid or list format for easy browsing.

## **2 - Dynamic Routing for Product Pages**

Dynamic routing creates individual product pages that provide detailed information about each item. This makes it easy for users to access product descriptions, images, prices, stock status, and reviews.

- Each product has a unique ID or slug that generates its URL (e.g., /product/[id]).
- These pages are server-rendered for better SEO and faster loading times.
- New products automatically generate their own pages without needing manual updates, ensuring scalability.

## **3 - Cart Functionality**

The shopping cart keeps track of users' selected items and summarizes the costs, providing a smooth shopping experience.

### **Checkout Process**

Includes payment options like bank check and cash on delivery, allowing users to finalize their purchases easily.

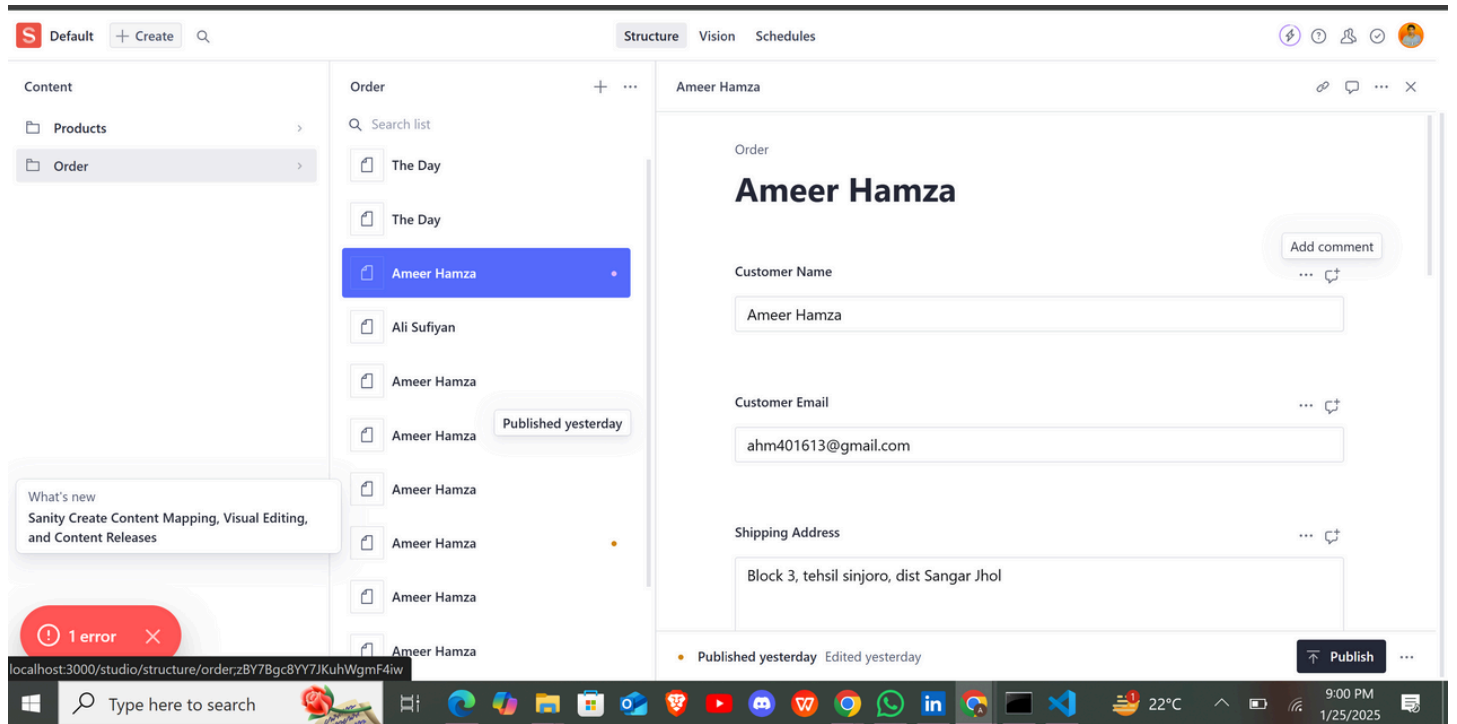
### **Storing Orders in Sanity**

Orders are stored in Sanity CMS using a custom function and schema, ensuring they are saved properly.

### **Detailed Description**

- **Users can add products to their cart directly from the product listing or detail page.**
- **The cart updates in real-time, adjusting quantities and total cost as items are added or removed.**
- **A mini-cart shows a quick summary of selected items, while a full cart page allows users to edit or remove items.**
- **State management tools, like React Context or Redux, help maintain cart data throughout the app.**
- **Local or session storage is used to keep cart data persistent, even if the page is refreshed.**
- **A sidebar lets users quickly access the cart and manage items without leaving the current page.**

### **Storing real-time orders on Sanity**



This guide covers how to build dynamic and responsive marketplace components. By leveraging Sanity CMS for backend management and modular front-end techniques, the app becomes scalable, efficient, and user-friendly. Each feature, from product listings to inventory management, is essential for creating a professional marketplace that meets real-world needs.

Future improvements, such as adding advanced analytics or AI-based recommendations, can enhance the platform even further.

# Thank you