DAY 4 - BUILDING DYNAMIC FRONTEND COMPONENTS FOR MetroMart.

1. Introduction

This document outlines the key features, requirements, and integration steps for the website built with Sanity CMS. It includes descriptions of the website structure, visual components, and dynamic functionalities.

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2. Website Overview

- **Project Name:** MetroMart
- **Focus:** Exclusive clothing store
- **Backend:** Sanity CMS
- **Frontend Framework:** Next.js 14

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3. Core Functionalities

1. **Product Listings:**
    - Dynamic product grid with images, names, prices, and availability.
    - Sanity CMS serves as the primary database for fetching product data.
2. **Product Details:**
    - Individual product pages with full details including size, color, description, and reviews.
    - Dynamic routing implemented in Next.js.
3. **Shopping Cart:**
    - State-managed cart functionality.
    - Ability to add, remove, or adjust quantities.
4. **Filters and Search:**

- Category-based filtering (e.g., Men, Women, Kids).
- Search bar to find products by name or tags.

5. **User Account and Orders:**
    - Profiles for users displaying order history and saved addresses.

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4. Sanity CMS Structure

Insert a visual representation of your Sanity CMS schema here. Example:

(Placeholder: Image of the Sanity schema structure showing document types such as `Product`, `Category`, and `Review`.)

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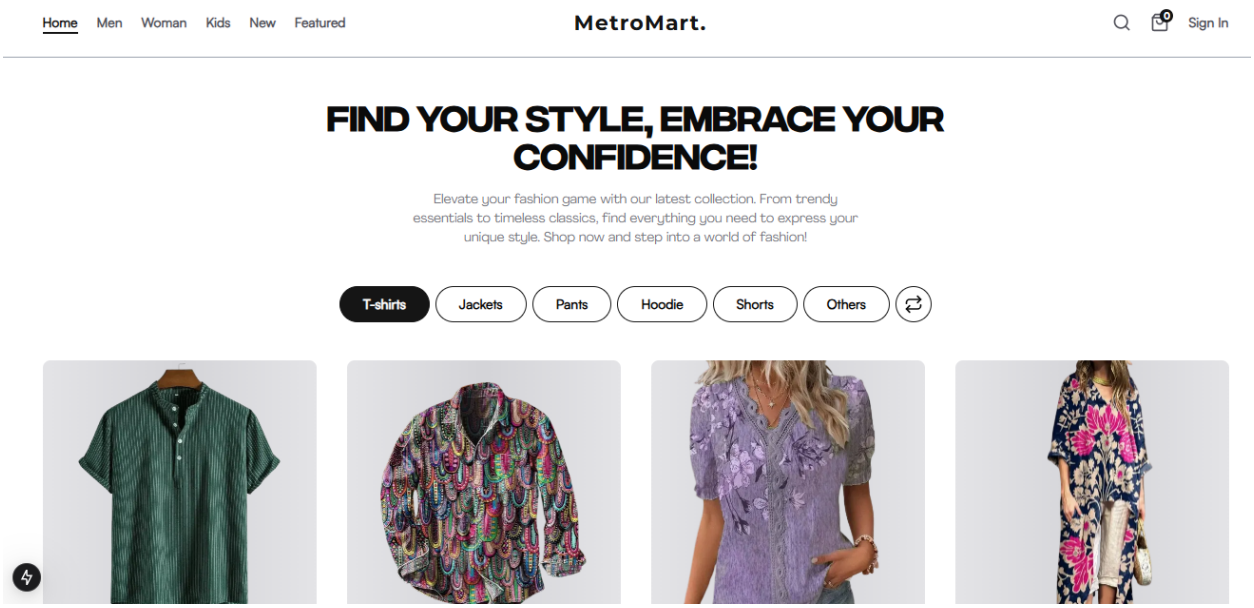
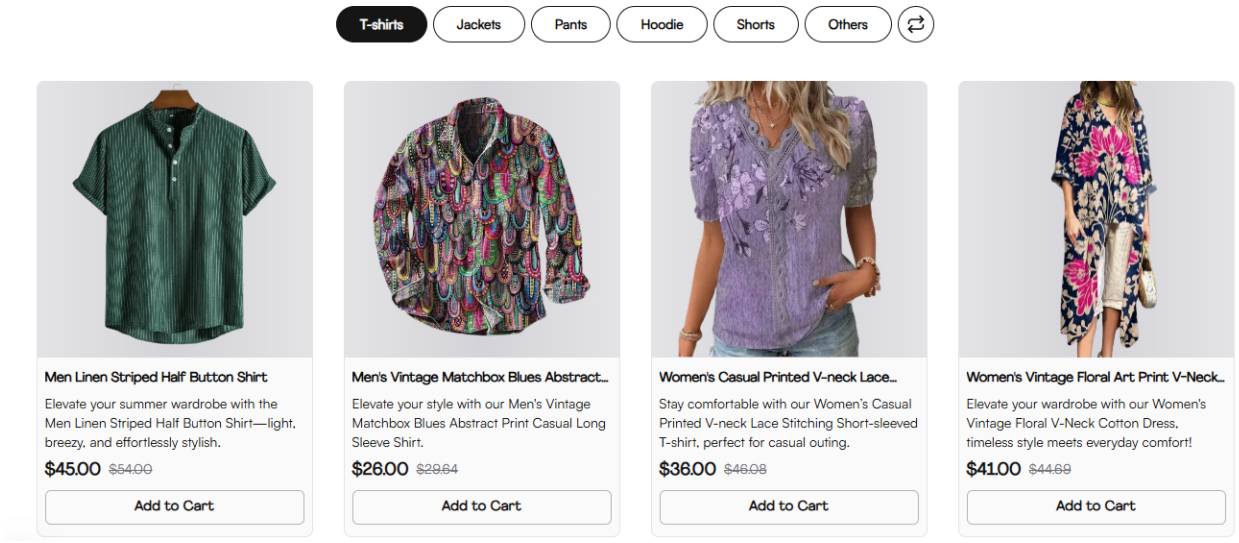
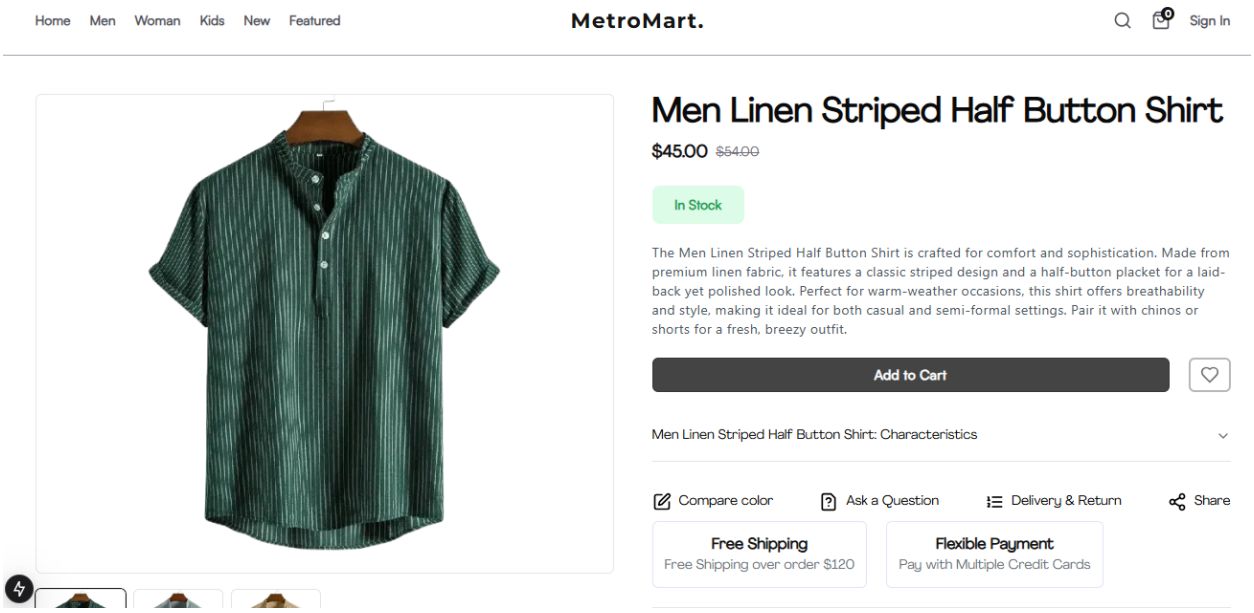
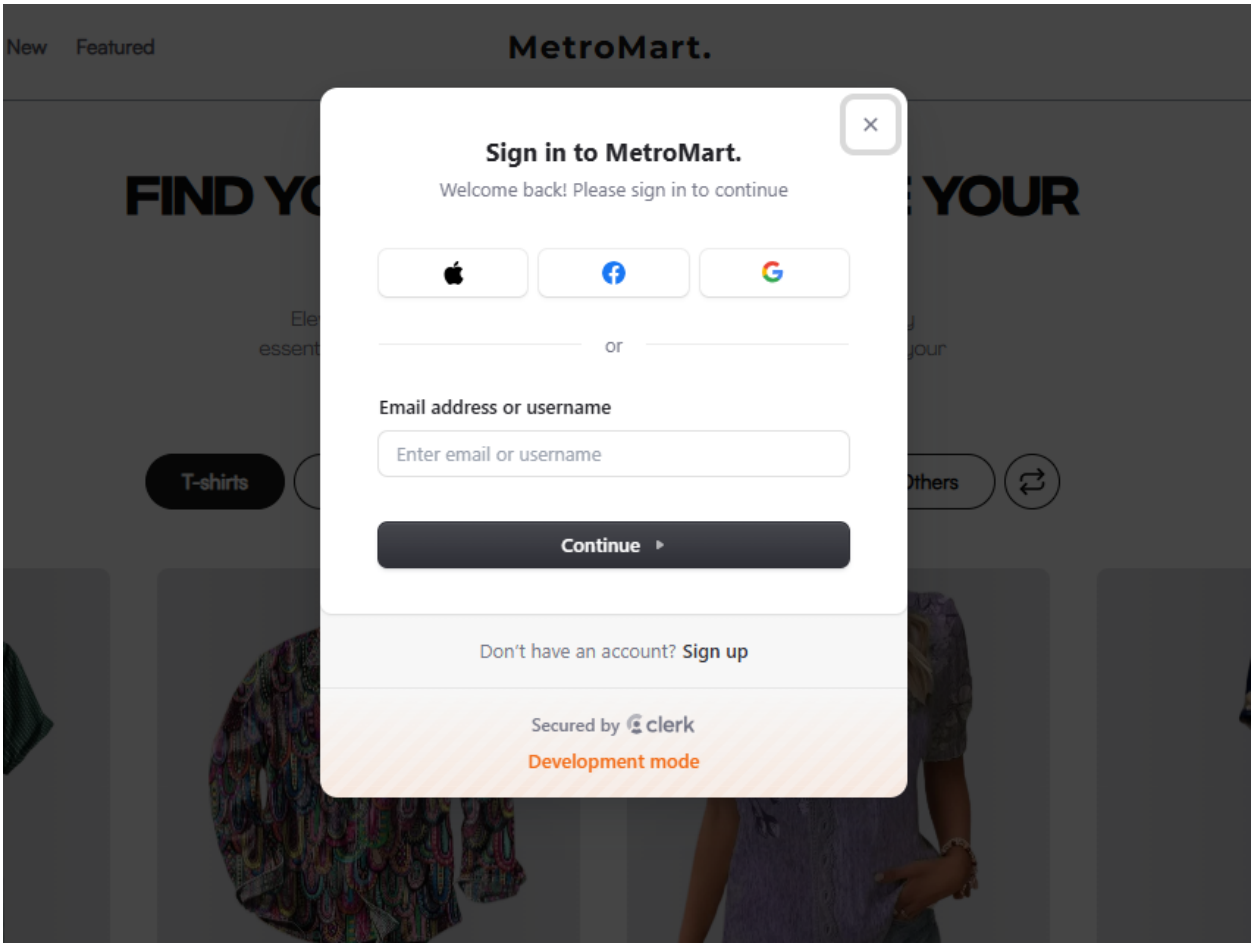
5. Website Screenshots

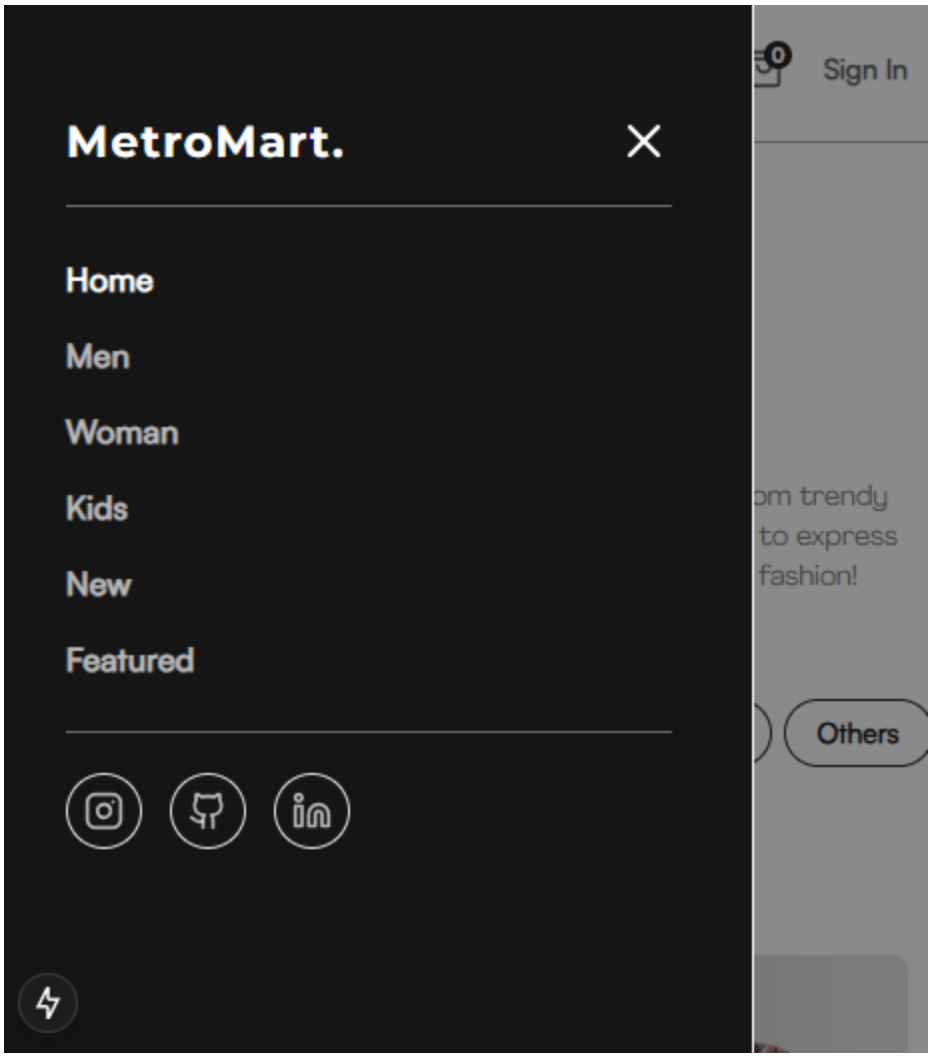
Include essential screenshots that highlight:




T-shirts
Jackets
Pants
Hoodie
Shorts
Others
Men Linen Striped Half Button Shirt
Elevate your summer wardrobe with the Men Linen Striped Half Button Shirt—light, breezy, and effortlessly stylish.
$45.00 $54.00
Add to Cart
Men's Vintage Matchbox Blues Abstract...
Elevate your style with our Men's Vintage Matchbox Blues Abstract Print Casual Long Sleeve Shirt.
$26.00 $29.64
Add to Cart
Women's Casual Printed V-neck Lace...
Stay comfortable with our Women's Casual Printed V-neck Lace Stitching Short-sleeved T-shirt, perfect for casual outing.
$36.00 $46.08
Add to Cart
Women's Vintage Floral Art Print V-Neck...
Elevate your wardrobe with our Women's Vintage Floral V-Neck Cotton Dress, timeless style meets everyday comfort!
$41.00 $44.69
Add to Cart


Home
Men
Woman
Kids
New
Featured
MetroMart.
Sign In
Men Linen Striped Half Button Shirt
$45.00 $54.00
In Stock
The Men Linen Striped Half Button Shirt is crafted for comfort and sophistication. Made from premium linen fabric, it features a classic striped design and a half-button placket for a laid-back yet polished look. Perfect for warm-weather occasions, this shirt offers breathability and style, making it ideal for both casual and semi-formal settings. Pair it with chinos or shorts for a fresh, breezy outfit.
Add to Cart
Men Linen Striped Half Button Shirt: Characteristics
Compare color
Ask a Question
Delivery & Return
Share
Free Shipping
Free Shipping over order $120
Flexible Payment
Pay with Multiple Credit Cards


New
Featured
MetroMart.
FIND YO
YOUR
T-shirts
Others
Sign in to MetroMart.
Welcome back! Please sign in to continue
or
Email address or username
Enter email or username
Continue
Don't have an account? Sign up
Secured by clerk
Development mode



6. Dynamic Features

- **Pagination:** Efficient navigation through large product catalogs.
- **Related Products:** Suggested items based on category or user behavior.
- **Responsive Design:** Optimized for desktop, tablet, and mobile views.

7. Implementation Steps

1. **Sanity CMS Setup:**
    - Define schemas for products, categories, and reviews.
    - Populate with sample data.
2. **Next.js Integration:**

- Fetch data dynamically using GROQ queries.
- Build pages with SSR (Server Side Rendering) for SEO optimization.

3. **Styling:**
   - Use Tailwind CSS for consistent and responsive designs.
   - Highlight key elements with gradient colors: purple, pink, and red.
4. **State Management:**
   - Manage cart and user states with React Context API.

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8. Privacy Policy

1. **Data Collection:** Only essential user information is collected during account creation or checkout.
2. **Data Usage:** Information is used for order processing and personalized recommendations.
3. **Cookies:** Utilized for a better user experience; users can opt out.
4. **Data Protection:** Robust security measures to protect user data.
5. **User Rights:** Access, update, or delete personal data at any time.

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9. Conclusion

This document serves as a technical and visual guide for the development and management of the MetroMart website.