Day 4: BUILDING DAYNAMIC FRONTEND COMPONENTS FOR YOUR MARKETPLACE

Objective:

On Day 4, the main goal was to build dynamic frontend components that fetch and display marketplace data from Sanity CMS or APIs. The task focused on creating modular and reusable components while keeping in mind best practices for responsive design and user experience.

Key Learning Outcomes:

Building Dynamic Components:

I learned how to build frontend components that can display live data from an API or a content management system (Sanity CMS). This makes the application more interactive and connected to real-time data.

Creating Reusable Components:

The assignment emphasized building components that are reusable, which will help with future scalability. Instead of repeating code, I made sure that components could be easily reused throughout the application.

State Management:

I practiced using state management techniques to handle dynamic data and user interactions. This is important because it allows the application to update and display data based on user actions or changes.

Responsive Design:

I learned the importance of making sure the application is mobile-friendly and looks great on all screen sizes. I applied responsive design principles and followed UX/UI best practices to ensure the app was easy to use.

Preparing for Real-World Projects:

The assignment replicated a real-world workflow, which gave me valuable experience for future client projects. I worked on integrating APIs, building modular components, and ensuring the app was responsive—all important skills for a frontend developer.

Outcome:

By the end of Day 4, I was able to build a dynamic and responsive frontend application that fetches data from Sanity CMS or APIs. I gained practical experience in creating reusable components, managing state, and designing an app that works well on all devices.

SCHEMA

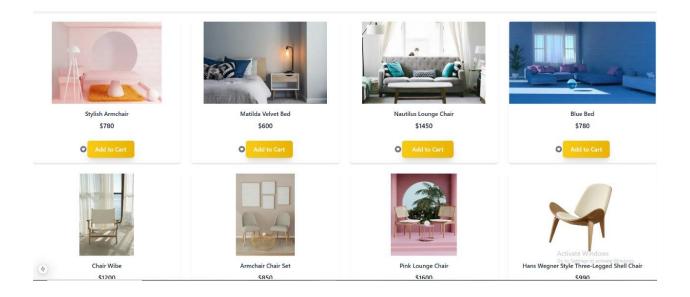
```
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   source: 'id',
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SCRIPT

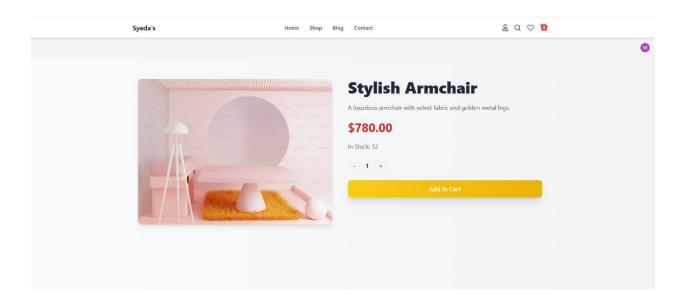
```
. .
       import ( create(lient ) from '@sanity/client';
import axios from 'axios';
import oddenv from 'dottenv';
import (fileMutloPath ) from 'url';
import path from 'path';
       import path from path ;

// Load environment variables from .env.local
const __filename = fileURIToPath(import.meta.url);
const __dinname = path.dinname(_filename);
dotenv.config({ path: path.resolve(__dinname, '../.env.local') });
        // Create Sanity client
const client = createClient({
  projectId: process.env.NEXT_PUBLIC_SAMITY_PROJECT_ID,
  dataset: process.env.NEXT_PUBLIC_SAMITY_DATASET,
  uscdm: false,
  token: process.env.SAMITY_API_TOKEN,
  apiVersion: '2021-08-31',
}
                 ry {
    conside.log('Uploading image: $(imageUrl)');
    const response = unait axios.get(imageUrl, { responseType: 'arraybuffer' });
    const buffer = Buffer.from(response.data);
    const asset = await client.assets.upload('image', buffer, {
        filename: imageUrl.split('/').pop(),
           ));
console.log('Taage uploaded successfully: $(asset._id)');
return asset._id;
) catch (error) {
console.error('Failed to upload image:', imageUrl, error.message);
return null;
                // Fetch products from the API const response = await axios.get('https://template-0-beta.vercel.app/api/product'); const products - response.data;
                for (const product of products) {
  let imageRef = null;
                    1+ (product.imagePath) {
  imageRef - await uploadImageToSanity(product.imagePath);
                  }
: undefined,
imagePath: product.imagePath,
                     await client.create(sanityProduct);
console.log('Product created in Sanity: ${sanityProduct.id}');
           console.log('Data migrated successfully!');
] catch (error) (
console.error('Error in migrating data:', error.message);
      importData();
```

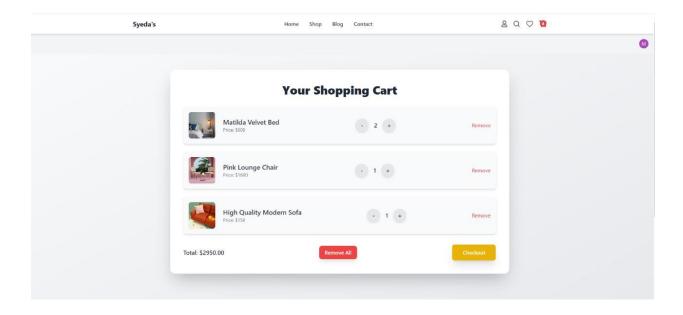
PRODUCT LISTING



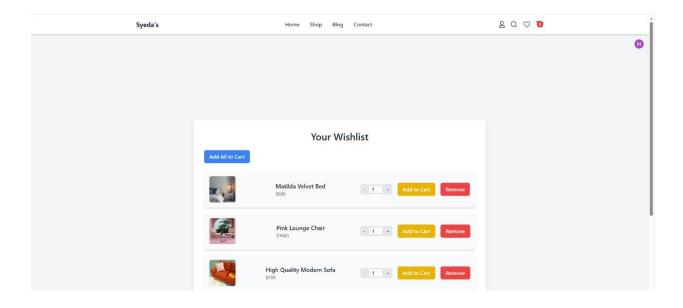
PRODUCT DETAILS



CART PAGE



WISHLIST PAGE



LOGIN/SIGNIN

