Furniture E-Commerce Project - Completed Tasks:

I successfully completed all the essential tasks required for a furniture e-commerce project. This includes integrating supplier APIs, migrating data into Sanity CMS, and validating schemas to ensure data compatibility. Additionally, I designed a user-friendly frontend, implemented a secure backend, and optimized the system for performance and SEO. The entire process was thoroughly tested to ensure a seamless user experience and reliable functionality.

1. Data Integration and Migration:

- *Imported furniture data from supplier APIs and CMS.*
- *Migrated data from platforms like Shopify and Magento into Sanity CMS.*
- *Validated and adjusted schemas to ensure compatibility for product categories, dimensions, materials, and colors.*
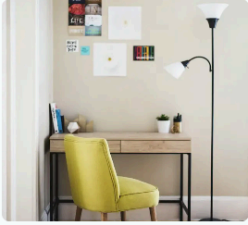
2. API Integration:

- *Integrated APIs to fetch furniture details, categories, and customer reviews.*
- *Implemented APIs for real-time inventory updates.*
- *Set up external payment gateway APIs for a seamless checkout experience.*

3. Frontend Development:

- *Designed and developed a user-friendly interface for product listings, search filters, and the cart.*
- *Integrated API data into frontend components using the Next.js framework.*
- *Implemented responsive designs to ensure compatibility across mobile and desktop devices*
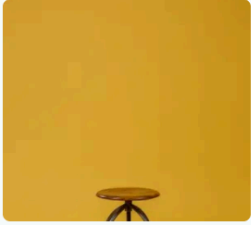
Our Products

Bright Space

Welcome to BrightSpace—a collection designed to infuse your home with light, energy, and vibrancy. Inspired by the power of natural...
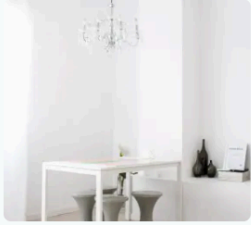
Rp 180

The Dandy chair

Meet The Dandy Chair—the epitome of comfort, style, and sophistication. Designed for those who appreciate the finer things in life,...

Rp 150

Syltherine

Introducing Syltherine – the ultimate fusion of elegance and power. Crafted for those who demand exceptional performance, Syltherine is a...

Rp 200

Pure Aura

Experience the essence of tranquility and purity with PureAura—a collection designed to bring peace, balance, and sophistication to your living...

Activate Windows

Rp 280 to Settings to activate Window

4. Backend Development:

- *Developed server-side logic for managing user authentication and order processing.*
- *Managed database connections to securely store customer details and order history.*

5. Schema Validation and Adjustment:

- *Customized Sanity CMS schemas to include product specifications like dimensions, materials, and delivery options.*
- *Mapped API fields to CMS schemas for seamless integration and data consistency.*

```
1    import { defineType } from "sanity";
2
3    export const product = defineType({
4      name: "product",
5      title: "Product",
6      type: "document",
7      fields: [
8        {
9          name: "productName",
10         title: "Name",
11         validation: (rule) => rule.required(),
12         type: "string",
13       },
14       {
15         name: "title",
16         title: "Title",
17         validation: (rule) => rule.required(),
18         type: "string",
19       },
20       {
21         name: "description",
22         type: "text",
23         validation: (rule) => rule.required(),
24         title: "Description",
25       },
26       {
27         name: "productImage",
28         type: "image",
29         validation: (rule) => rule.required(),
30         title: "Product Image",
31       },
32       {
```

6. Error Handling:

- *Created a robust error logging system for API calls.*
- *Displayed user-friendly error messages in case of missing data or connection issues.*

7. Testing and Debugging:

- *Tested API endpoints thoroughly using tools like Postman and browser developer tools.*
- *Debugged and resolved issues related to API responses and data inconsistencies.*

8. SEO and Performance Optimization:

- *Added SEO metadata to product pages to improve search engine rankings.*
- *Optimized product images for faster page loading and better user experience.*

API Testing:

*The API endpoints were thoroughly tested using tools like **Postman** and browser developer tools to ensure they were returning accurate and consistent data. Each endpoint, such as those fetching product details, categories, and real-time inventory updates, was verified for expected outputs under various conditions, including edge cases.*

Data Validation:

During testing, the migrated data was cross-checked with the original source to verify its accuracy. Any discrepancies in product details, pricing, or inventory were identified and resolved.
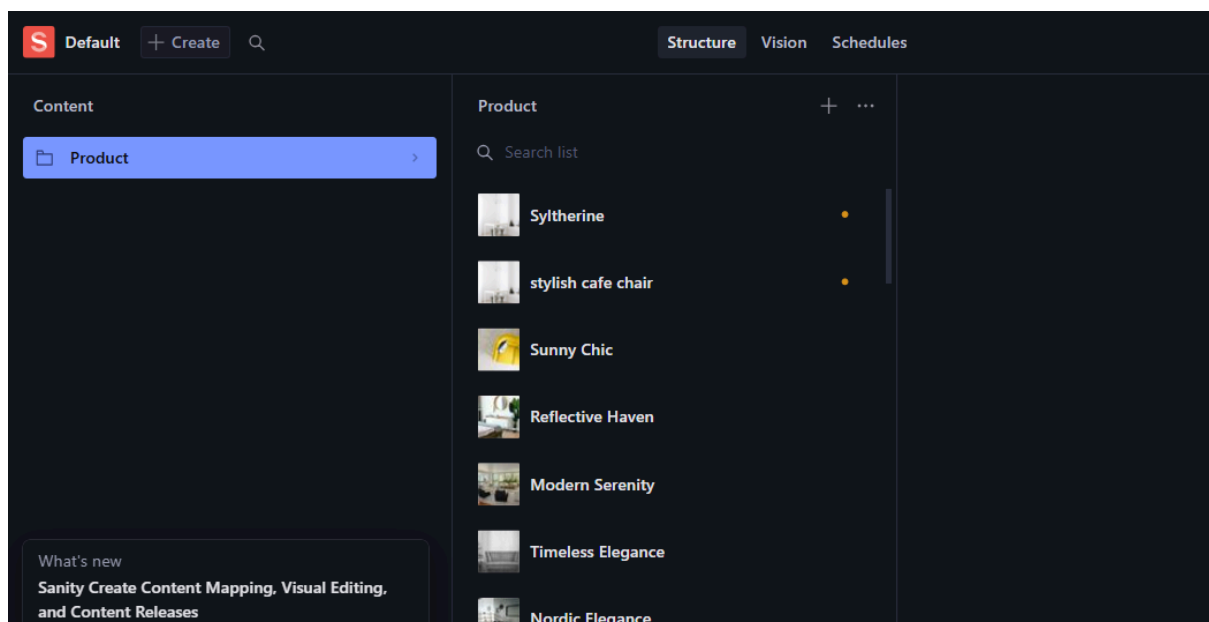
Image Optimization:

High-resolution product images were compressed and optimized without compromising quality. Modern image formats such as WebP were used to reduce load times and improve page speed, especially for mobile users.