Day 3 - API Integration and Data Migration Report [Rental-Ecommerce]
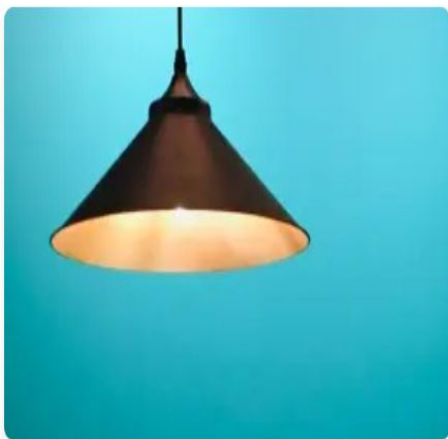
Prepared by: Fizzat Fatima

. API Integration Process

Steps followed for API Integration:

1. **Setup API Client**: Used the `@sanity/client` package for connecting to the Sanity CMS.
2. **Fetch API Data**: Queried data using GROQ to fetch the necessary fields from Sanity CMS.
3. **Display Data on Frontend**: Integrated the fetched data with a React functional component and styled using Tailwind CSS.

```tsx
const ProductCards: React.FC = () => {
  const [products, setProducts] = useState<Product[]>([]);
  const [cart, setCart] = useState<Product[]>([]);

  const fetchProducts = async () => {
    try {
      const query = `
        *[_type == "product"] {
          _id,
          title,
          price,
          description,
          discountPercentage,
          "imageUrl": productImage.asset->url,
          tags
        }
      `;
      const data = await sanity.fetch(query);
      console.log("Fetched Products:", data); // Debugging
      setProducts(data);
    } catch (error) {
      console.error("Error Fetching Products:", error);
    }
```
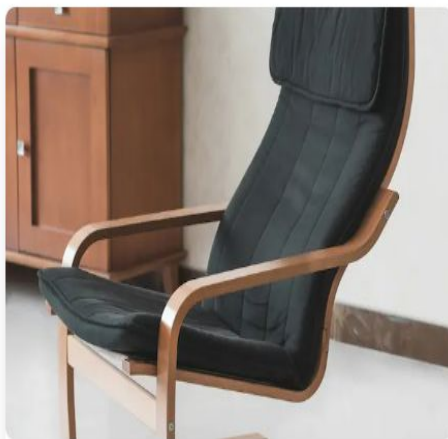
The Lucky Lamp

Introducing The Lucky Lamp—a unique blend of charm, elegance, and positive energy designed to illumi...

$200

lamp · lucky · decor · lighting

vintage

Add To Cart

Serene Seat

Step into comfort and tranquility with SereneSeat—a chair designed to provide not only a place to si...

$350

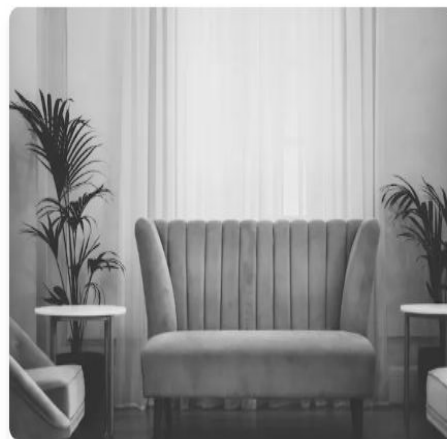serene · seat · comfort · relaxing

furniture

Add To Cart

Nordic Elegance

Elevate your space with Nordic Elegance —a collection that brings the minimalist beauty and understat...

$280

nordic · elegance · furniture

minimalistic · modern

Add To Cart

Timeless Elegance

Introducing TimelessElegance—a collection that embodies the perfect fusion of classic beauty and mod...

$320

timeless · elegance · furniture · classic

luxury

Add To Cart

Product

Sunny Chic

Sunny Chic

Search list

Sunny Chic

Reflective Haven

Modern Serenity

Timeless Elegance

Nordic Elegance

Serene Seat

Sleek Living

Tropical Vibe

Zen Table

Title

Sunny Chic

Description

Embrace the warmth of style with SunnyChic—a vibrant and contemporary collection designed to bring the cheerful essence of sunshine and chic elegance to your home. Whether you're brightening up a living room, bedroom, or outdoor space, SunnyChic infuses every corner with a refreshing burst of energy and a touch of sophisticated charm.

Inspired by the warmth of sunny days and the laid-back yet stylish vibe of

Published 11 hr. ago

Publish

1. **Add Sanity to Next.js Project**

   - Install Sanity using the command: `npm install @sanity/client`.
   - Configure the client in your project.

   ↓

2. **Set Environment Variables**

   - Create a `.env.local` file.
   - Add sensitive information like `SANITY_PROJECT_ID` and `SANITY_DATASET` se

   ↓

3. **Create Schema for Products**

   - Navigate to the `schemas` folder in the Sanity Studio project.
   - Define the product schema with required fields (e.g., title, price, description, ima

↓

4. Create Script Folder and Import Script

- At the root of your Next.js project, create a `script` folder.
- Add an `importData.js` file to write the migration logic for importing data into Sanity.

↓

5. Update tsconfig.json

- Add the necessary configurations to enable the script to run without type errors.

↓

6. Run Import Command

- ○ Use the command `npm run import-data` to execute the script and migrate data into Sanity CMS.

↓

7. Verify Data in Sanity

- ○ Open the Sanity Studio to check the imported data.
- ○ Ensure all fields are populated correctly.