Hackathon Day 3

API Integration Process Using Sanity

Sanity, a headless CMS, was employed to streamline content management and ensure smooth API integration. Below is an overview of the process:

1. Project Setup:

- Created a new Sanity project via the Sanity CLI.
- Configured the sanity. Json file with project-specific details.
- This project involves developing an e-commerce store.
- The administrator has the capability to add products using the Sanity content management system.
- The /shop/[item] Route, situated within the app directory, is specifically designed to handle the management and display of product data.

2. Adjustments Made to Schemas

 Schema modifications were implemented to align with the website's content structure and ensure optimal performance. The Structure is showed in screenshots

Screenshots

Schema: product page

Schema Shop page:

```
export const shop={
   name: 'Shop',
   type: 'document',
    fields: [
            name: 'ProductID',
            type: 'string',
            title: 'Shop Product ID',
            name: 'ProductName',
            type: 'string',
title: 'Shop Product Name',
            name: 'ProductImage',
            type: 'image',
            title: 'Shop Product Image',
            name: 'ProductPrice',
            type: 'string',
            title: 'Shop Product Price',
            name: 'ProductDescription',
            type: 'string',
            title: 'Shop Product Description',
            name: 'ProductDiscount',
            type: 'string',
            title: 'Shop Product Discount',
            name: 'ProductFeatured',
            type: 'boolean',
            title: 'Shop Product Is Featured',
            name: 'Productcategory',
            type: 'string',
            title: 'Shop Product Category',
```

3. Migration Steps and Tools Used

- Content migration was a critical phase to ensure the smooth transition of existing data into Sanity.
- Making Schema in Sanity
- Creating Documents in Sanity Including Product Category and Shop products
- Using sanity client and declare some functions to fetch data from the Sanity Studio

API Calls:

Product page:

API Call Shop Page

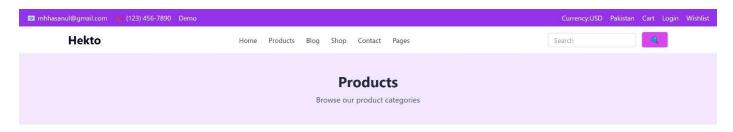
```
cdiv className="mb-6">
cdiv className="space-y-1">
cdi
                                        dlv
key=(product.ProductID)
className="bg-white rounded-lg shadow p-4 hover:shadow-lg transition flex flex-col"
                                              cdtv>
clmage
stre(product.imageUrl)
alt(product.ProductName)
className="rounded-md w-full object-cover"
width=(300)
height=(200)
/**
                                        </div>
</div>
</Link>

AlasName="mt-4">
div className="mt-4">
finaduct.ProductName)

</hl>

className="text-gray-500 text-sm">{product.ProductDescription}
className="text-gray-500 font-bold">
className="text-gray-800 font-bold">
${product.ProductDiscount || product.ProductPrice}
```

Frontend Display:



Ecommerce Items

8 Product Categories











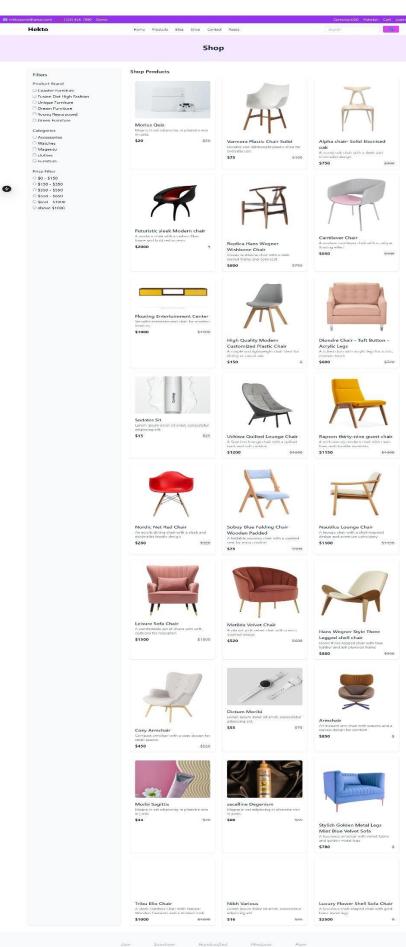








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Sanity CMS



