API Integration & Migration scripts

create scripts folder and In scripts folder create data-migration.mjs file:

```
import { createClient } from '@sanity/client';
import axios from 'axios';
import dotenv from 'dotenv';
import { fileURLToPath } from 'url';
import path from 'path';

// Load environment variables from .env.local
const __filename = fileURLToPath(import.meta.url);
const __dirname = path.dirname(__filename);
dotenv.config({ path: path.resolve(__dirname, '../.env.local') });

// Create Sanity client
const client = createClient({
projectId: process.env.NEXT_PUBLIC_SANITY_PROJECT_ID,
dataset: process.env.NEXT_PUBLIC_SANITY_DATASET,
useCdn: false,
token: process.env.SANITY_API_TOKEN,
apiVersion: '2021-08-31',
});

async function uploadImageToSanity(imageUrl) {
try {
console.log(`Uploading image: ${imageUrl}`);
const response = await 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(`Image uploaded successfully: ${asset._id}`);
return asset._id;
} catch (error) {
console.error('Failed to upload image:', imageUrl, error.message);
return null;
}
}

async function importData() {
try {
console.log('Migrating data, please wait...');

// Fetch products from the API
const response = await axios.get('https://template-0-beta.vercel.app/api/product');
const products = response.data;

console.log('Products fetched:', products);
for (const product of products) {
let imageRef = null;

if (product.imagePath) {
imageRef = await uploadImageToSanity(product.imagePath);
}

const sanityProduct = {
_type: 'product',
id: product.id,
name: product.name,
category: product.category,
description: product.description,
discountPercentage: product.discountPercentage,
isFeaturedProduct: product.isFeaturedProduct,
stockLevel: product.stockLevel,
price: parseFloat(product.price),
image: imageRef
? {
_type: 'image',
asset: {
_type: 'reference',
_ref: imageRef,
},
}
: undefined,
imagePath: product.imagePath, // Store original image URL
};

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();
```