**Day3 takh achieved:**

**Integrating API into CMS:**

1. **Cloning the Repository:**
   * Clone the repository provided to you.
   * Navigate to the cloned folder using cd name\_of\_clone\_folder.
2. **Environment Setup:**
   * Create a .env file in the cloned folder.
   * Copy all variables from your local environment file to this new .env file.
3. **Sanity Configuration:**
   * Open sanity.cli.ts file and ensure it contains the following variables:

typescript

const projectId = process.env.NEXT\_PUBLIC\_SANITY\_PROJECT\_ID;

const dataset = process.env.NEXT\_PUBLIC\_SANITY\_DATASET;

* + Implement these variables in the sanity.config.ts file and remove unnecessary imports:

typescript

import { defineConfig } from 'sanity';

import { deskTool } from 'sanity/desk';

import { visionTool } from '@sanity/vision';

import { structureTool } from 'path\_to\_structureTool';

import schema from './path\_to\_schema';

export default defineConfig({

basePath: '/studio',

projectId: process.env.NEXT\_PUBLIC\_SANITY\_PROJECT\_ID,

dataset: process.env.NEXT\_PUBLIC\_SANITY\_DATASET,

schema,

plugins: [

structureTool({structure}),

visionTool({defaultApiVersion: process.env.NEXT\_API\_VERSION}),

],

});

1. **Schema Integration:**
   * Add the schema from the given repo.
   * Include the migration script from the provided link.
2. **Adding Product Schema:**
   * Create a product.ts file in the schematype folder and define your Product schema:

typescript

import { Rule } from 'sanity';

const Product = {

name: 'product',

type: 'document',

title: 'Product',

fields: [

{ name: 'name', type: 'string', title: 'Name', validation: (Rule: Rule) => Rule.required().error('Name is required') },

{ name: 'image', type: 'image', title: 'Image', options: { hotspot: true }, description: 'Upload an image of the product.' },

{ name: 'price', type: 'string', title: 'Price', validation: (Rule: Rule) => Rule.required().error('Price is required') },

{ name: 'description', type: 'text', title: 'Description', validation: (Rule: Rule) => Rule.max(150).warning('Keep the description under 150 characters.') },

{ name: 'discountPercentage', type: 'number', title: 'Discount Percentage', validation: (Rule: Rule) => Rule.min(0).max(100).warning('Discount must be between 0 and 100.') },

{ name: 'isFeaturedProduct', type: 'boolean', title: 'Is Featured Product' },

{ name: 'stockLevel', type: 'number', title: 'Stock Level', validation: (Rule: Rule) => Rule.min(0).error('Stock level must be a positive number.') },

{ name: 'category', type: 'string', title: 'Category', options: { list: [{ title: 'Chair', value: 'Chair' }, { title: 'Sofa', value: 'Sofa' }] }, validation: (Rule: Rule) => Rule.required().error('Category is required') },

],

};

export default Product;

* + Import the Product schema in the main index file of your Sanity schema:

typescript

import createSchema from 'part:@sanity/base/schema-creator';

import schemaTypes from 'all:part:@sanity/base/schema-type';

import Product from './Product'; // Adjust the path as necessary

export default createSchema({

name: 'default',

types: schemaTypes.concat([Product, /\* Add other document schemas here \*/]),

});

You've done a commendable job integrating the API into your CMS. Keep an eye out for any specific errors during the process and ensure all endpoints in your migration script and API calls align with your project structure and data expectations. If you need further assistance, feel free to ask! Great work! 👏