**Day 3 - API Integration and Data Migration**

First of all I understood 3rd-day’s task and think about the implementation and then try it to complete 3rd-day event focused on building a marketplace backend using APIs and Sanity CMS.

On **Day 3**, we specifically worked on **integrating APIs** and **migrating data into Sanity CMS** to create a fully functional backend. The session provided hands-on experience in utilizing APIs, migrating existing data, and ensuring template compatibility within the CMS. This approach closely mimicked real-world practices, equipping us with the skills to meet diverse client needs, such as integrating headless APIs or migrating data from popular E-commerce platforms.

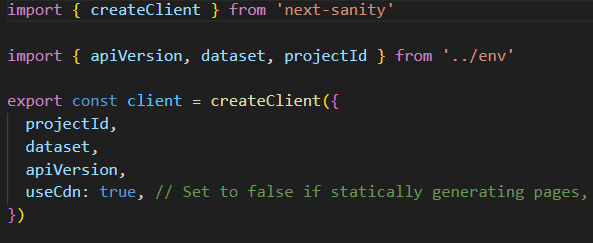
The event was a valuable experience, enhancing my knowledge of marketplace architecture, backend systems, and CMS integrations. I'm looking forward to applying these skills in future projects.

**API Integration Code Snippet in VS Code**

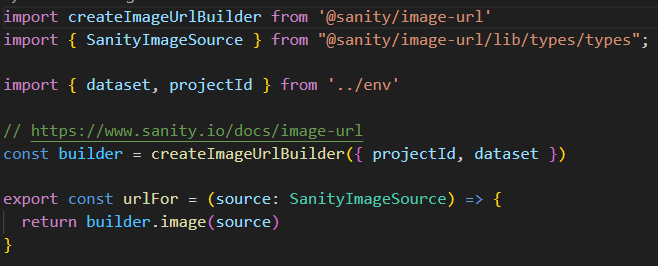
Studio\[[…tool]] > page.tsx



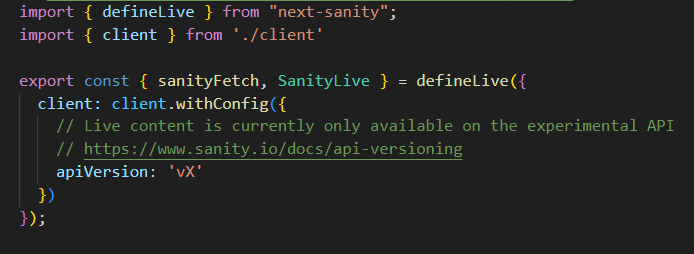
**Src>sanity>lib>client.ts**

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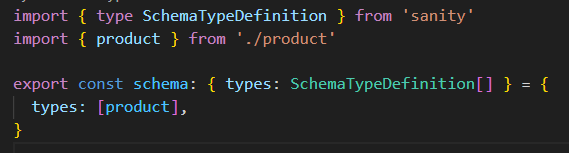
**Src>sanity>lib>image.ts**

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**Src>sanity>lib>live.ts**

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**Src>sanity>schemaType>index.ts**

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**Src>sanity>schemaType>product.ts**

import { defineType } from "sanity"

export const product = defineType({

    name: "product",

    title: "Product",

    type: "document",

    fields: [

        {

            name: "title",

            title: "Title",

            validation: (rule) => rule.required(),

            type: "string"

        },

        {

            name:"description",

            type:"text",

            validation: (rule) => rule.required(),

            title:"Description",

        },

        {

            name: "productImage",

            type: "image",

            validation: (rule) => rule.required(),

            title: "Product Image"

        },

        {

            name: "price",

            type: "number",

            validation: (rule) => rule.required(),

            title: "Price",

        },

        {

            name: "tags",

            type: "array",

            title: "Tags",

            of: [{ type: "string" }]

        },

        {

            name:"dicountPercentage",

            type:"number",

            title:"Discount Percentage",

        },

        {

            name:"isNew",

            type:"boolean",

            title:"New Badge",

        }

    ]

})

**Src>sanity>structure.ts**

import type {StructureResolver} from 'sanity/structure'

// https://www.sanity.io/docs/structure-builder-cheat-sheet

export const structure: StructureResolver = (S) =>

  S.list()

    .title('Content')

    .items(S.documentTypeListItems())

**.env.local**

NEXT\_PUBLIC\_SANITY\_PROJECT\_ID="2305ac36"

NEXT\_PUBLIC\_SANITY\_DATASET="production"

SANITY\_API\_TOKEN="sk0juGpCHkRk3pzMtc8dAaThiXcdXyrIbzmnKJKfbflfs3C2efDUPsBbPN08IuD2rs36BvsjPaccRPjZCkwydw6l1WXZZfGjuQ9j3womV9pOhAVIEzVxUGTptjA1D7qXC11AmdKgIJY3Jwsa1TXhqxUfC4HGtdsJuuZ0fDT3UigkbGVZbp2k"

**Package.json**

{

  "name": "template5",

  "version": "0.1.0",

  "private": true,

  "type": "module",

  "scripts": {

    "dev": "next dev",

    "build": "next build",

    "start": "next start",

    "lint": "next lint",

    "import-data": "node script/importData.js"

  },

  "dependencies": {

    "@sanity/client": "^6.25.0",

    "@sanity/image-url": "^1.1.0",

    "@sanity/vision": "^3.70.0",

    "axios": "^1.7.9",

    "dotenv": "^16.4.7",

    "next": "14.2.15",

    "next-sanity": "^9.8.38",

    "react": "^18",

    "react-dom": "^18",

    "react-toastify": "^11.0.2",

    "sanity": "^3.70.0",

    "styled-components": "^6.1.14"

  },

  "devDependencies": {

    "@types/node": "^20",

    "@types/react": "^18",

    "@types/react-dom": "^18",

    "eslint": "^8",

    "eslint-config-next": "14.2.15",

    "postcss": "^8",

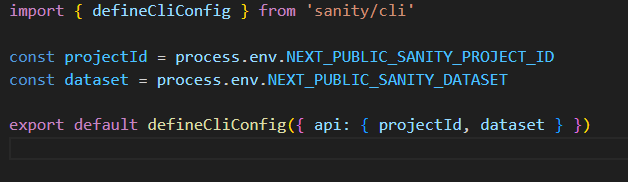
    "tailwindcss": "^3.4.1",

    "typescript": "^5"

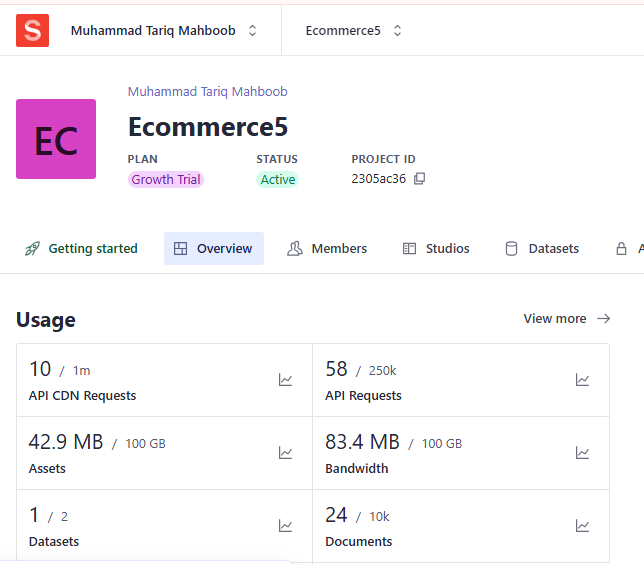
  }

}

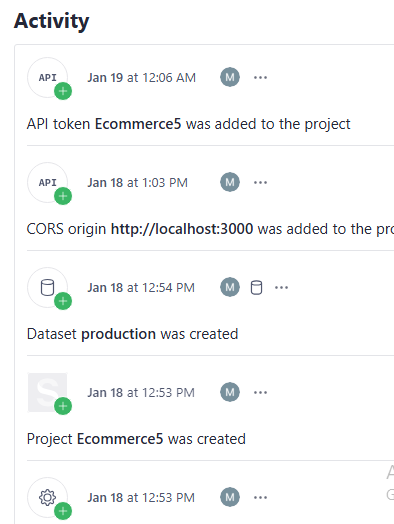
**Sanity.cli.ts**

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**E-commerce5**

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Activity



Studio

