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Day 3 - API Integration and Data Migration

Rental E-commerce [Car Rental]

Go to [Sanity.io](https://sanity.io) and create a new project then install **Sanity Client** in **nextJS** by

`npm install @sanity/client`

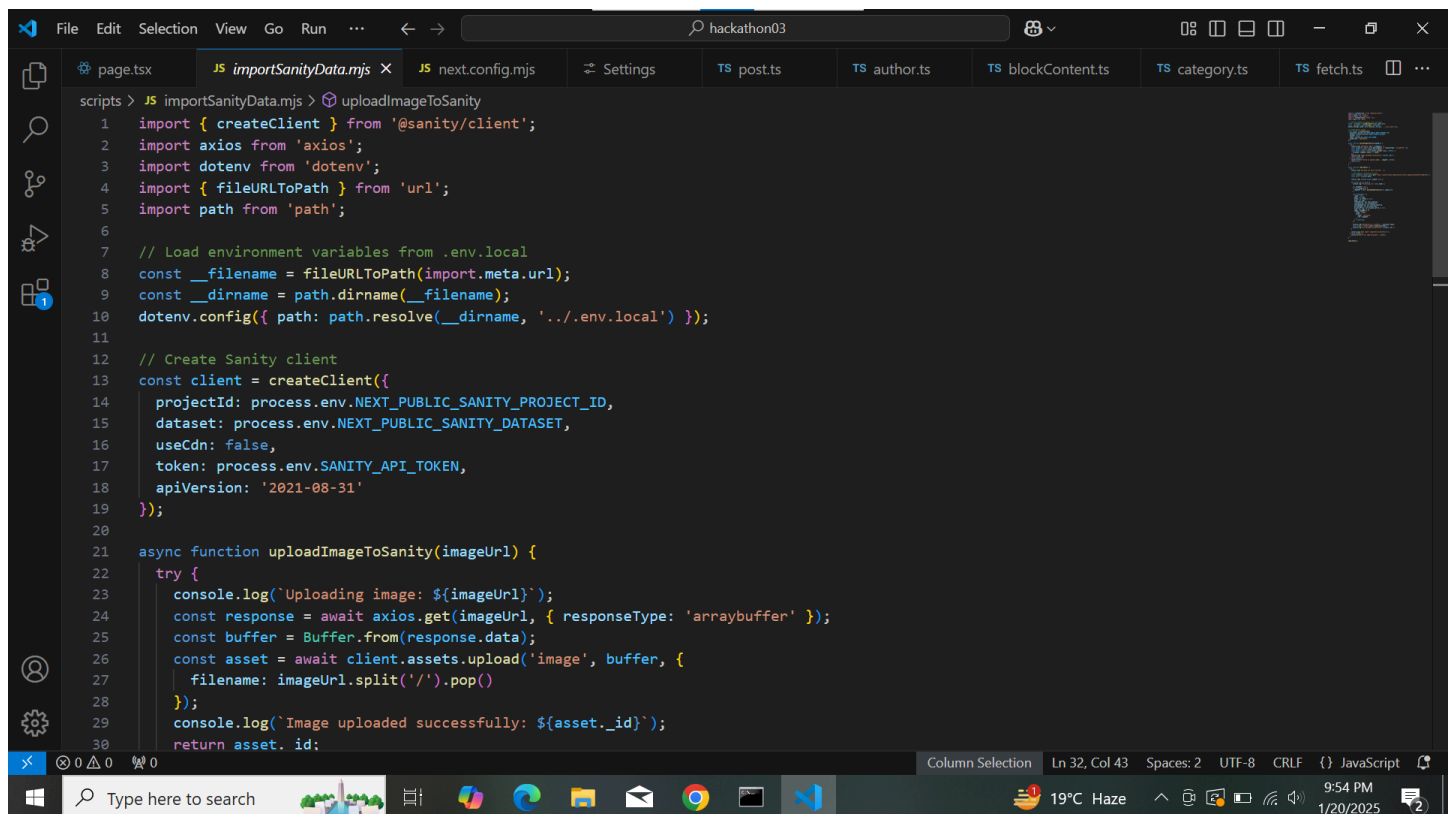
Add API ID and Token in `.env.local` File

A screenshot of a code editor showing the contents of a file named `.env.local`. The file contains three lines of environment variables: `NEXT_PUBLIC_SANITY_PROJECT_ID="prnrthuu"`, `NEXT_PUBLIC_SANITY_DATASET="production"`, and `SANITY_API_TOKEN=skjHHzgct1IIzX40Eilopp9VHZq1PcKq6kDiIiqVFvathnQKq8vx27R7zdzLBdPBPjFGBwOaYUtSjiQXdZ1IGf7UO`. The editor's file explorer on the left shows a project structure with folders like `src`, `lib`, and `sanity`, and a file `ts client.ts`.

Update `package.json` file

```
"import-data": "node scripts/importSanityData.mjs"
```

use provided API according to the template in `importSanityData.mjs`

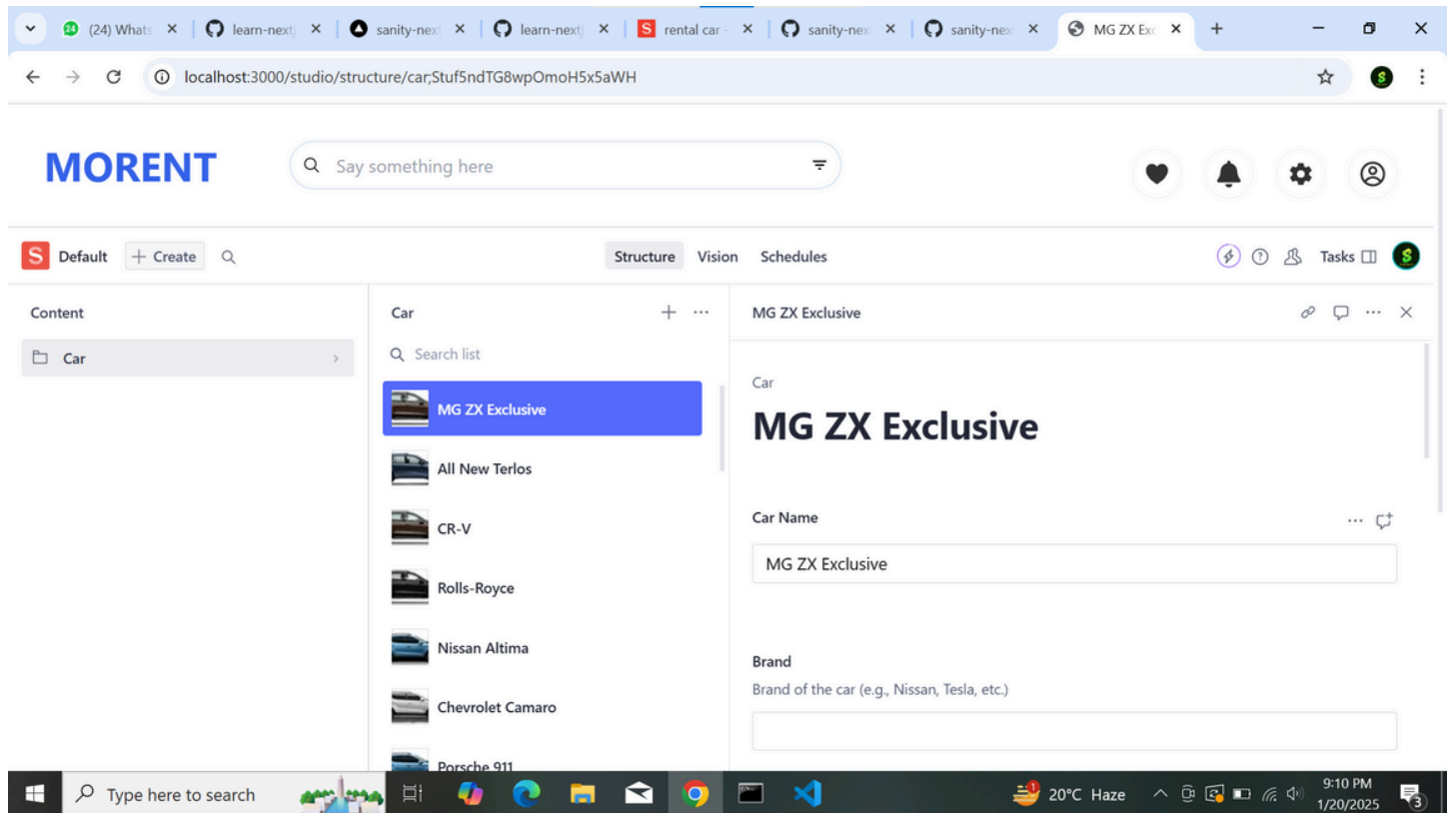
A screenshot of the Visual Studio Code editor with the file `importSanityData.mjs` open. The code defines a `createClient` function using the `@sanity/client` package and an `uploadImageToSanity` async function that uses `axios` to fetch an image and upload it to Sanity. The function uses environment variables from `process.env` for project ID, dataset, and API token. The editor interface includes a sidebar with file explorer, a top toolbar, and a status bar at the bottom showing file encoding (UTF-8) and line/column information (Ln 32, Col 43).

Data Sent successfully in to Sanity

```
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

Uploading car to Sanity: All New Terlos
Car uploaded successfully: 8zg1Xoz2U4YsREvqQAF9NN
Processing car: MG ZX Exclusive
Uploading image: https://car-rental-website-five.vercel.app/_next/image?url=%2F_next%2Fstatic%2Fmedia%2FCar(15).5f4e5799.jpg&w=1200&q=75
Image uploaded successfully: image-50e929b35137deaf013a61339865948788fc8331-248x100-jpg
Uploading car to Sanity: MG ZX Exclusive
Car uploaded successfully: Stuf5ndTG8wpOmoH5x5aWH
Data import completed successfully!

D:\My Work\VS code\Next.JS\documentation\Day 3 - API Integration Report - Rental E-commerce\hackathon03>
```



Data show on browser

File Edit Selection View Go Run ... hackathon03

EXPLORER

HACKATHON03

src

app

admin

catalogue

categories

detail

fonts

hero

payment

studio \[...tool]

page.tsx

favicon.ico

Footer.tsx

globals.css

layout.tsx

Navbar.tsx

page.tsx

components

lib

sanity

lib

ts client.ts

ts fetch.ts

ts image.ts

OUTLINE

TIMELINE

page.tsx

src > app > page.tsx > CarsPage

1 import { sanityFetch } from "@sanity/lib/fetch";

2 import { allCars } from "@sanity/lib/queries";

3 import Image from "next/image";

4

5 type Car = {

6 _id: string;

7 name: string;

8 brand: string;

9 type: string;

10 fuelCapacity: string;

11 transmission: string;

12 seatingCapacity: string;

13 pricePerDay: string;

14 originalPrice: string;

15 tags: string[];

16 imageUrl: string;

17};

18

19 export default async function CarsPage() {

20 const cars: Car[] = await sanityFetch({ query: allCars });

21

22

23 return (

24 <div>

25 <h1 className="text-4xl font-bold p-4">Popular Cars</h1>

26 <div className="grid grid-cols-3 gap-4">

27 {cars.map((car: Car) => (

28 <div className="border p-4 rounded-lg shadow-sm flex flex-col items-center" key={car._id}>

29 <Image

30 src={car.imageUrl}

Column Selection Ln 19, Col 10 Spaces: 2 UTF-8 LF {} TypeScript JSX

20°C Haze 9:13 PM 1/20/2025

