

## DAY 3 - API INTEGRATION AND DATA MIGRATION

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### 1 : API integration process:

- I created a new Sanity project, in my UI-UX-Hackathon project.
- I fetched the data from the provided API for my template by Sir Asharib using `axios.get()` method.

### 2 : Adjustments made to schemas:

- I made some adjustments to schema according to the data provided by API, like I added tags field to my car schema.

### 3 : Migration steps and tools used.

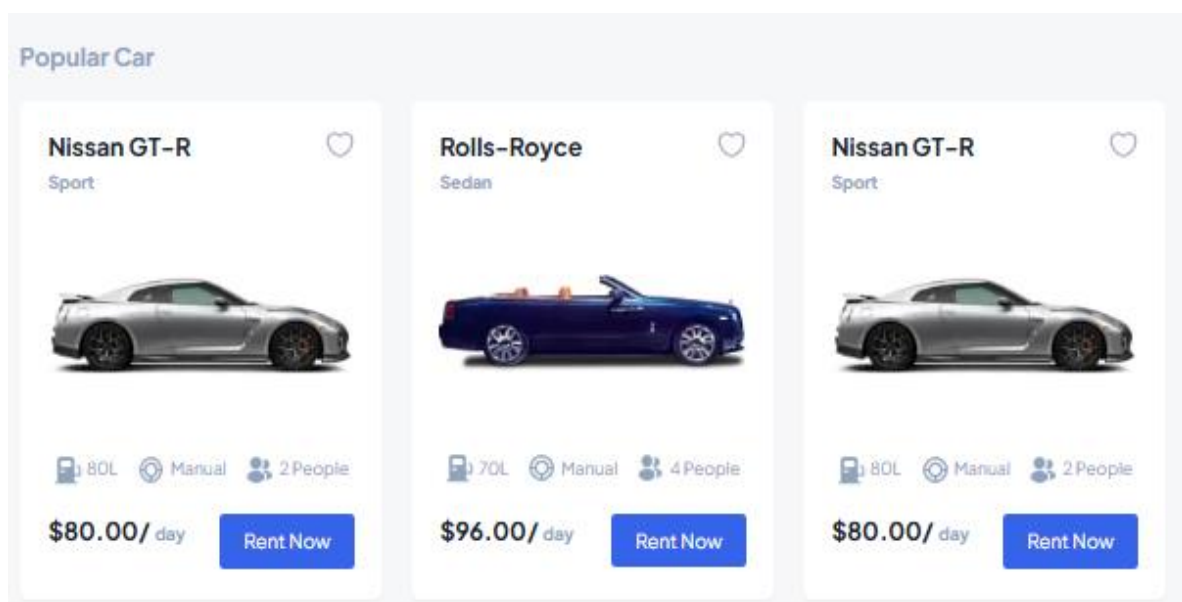
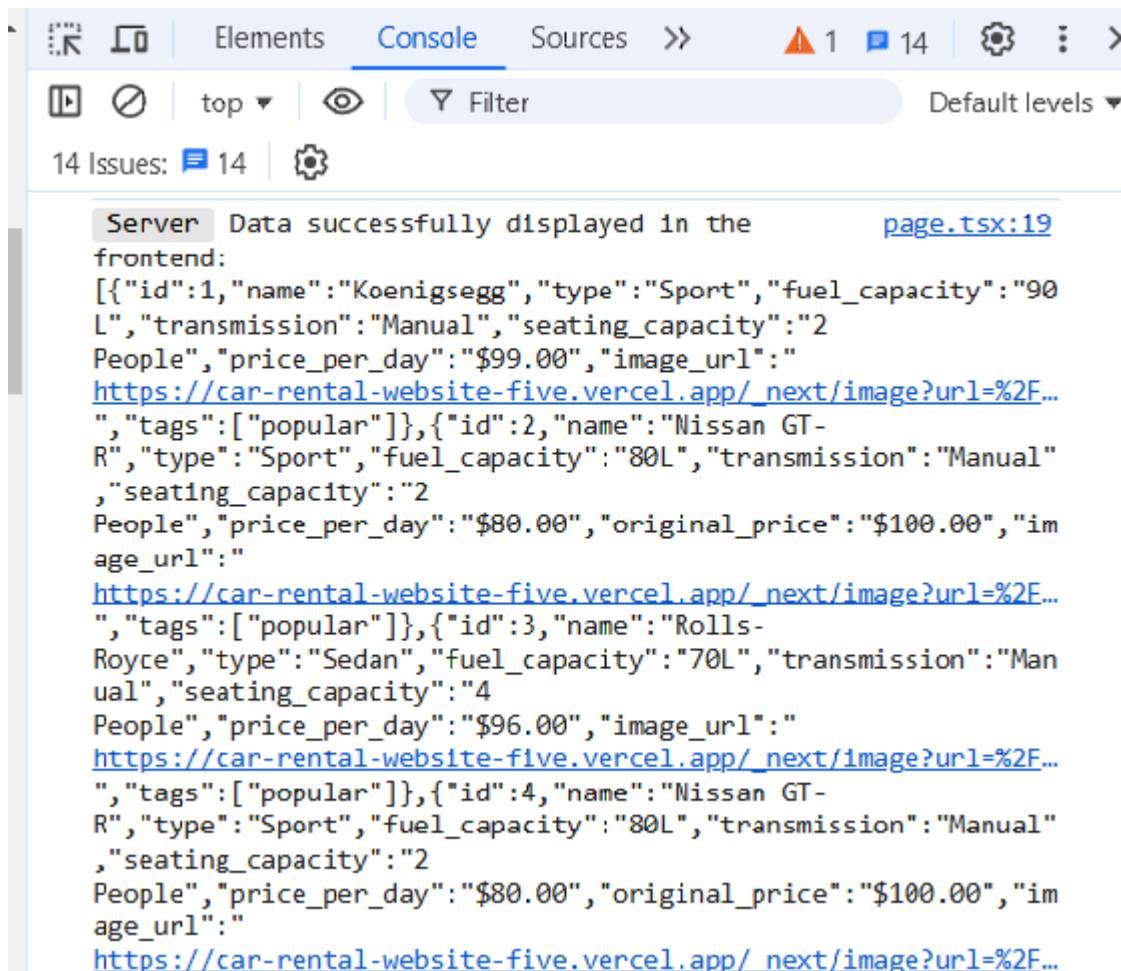
- In '`sanity/scripts/importData.ts`' I created some functions to migrate the fetched data from API to Sanity by running the command '`npx sanity@latest exec sanity/scripts/importData.ts`'
- Tools used: Given API, and migrated the data using `sanityClient` methods like `client.createOrReplace(cars)`

### 4 : Screenshots of:

- **API calls.**

```
-version
Fetching car data from API...
Fetched 16 cars
All car data has been synced to Sanity!
PS C:\Users\dell\Documents\Hackathons\day3>
```

- **Data successfully displayed in the frontend.**



- ***Populated Sanity CMS fields.***

← → ↺ ⓘ localhost:3000/studio/structure/car;12









**S** Default + Create 🔍 Structure Vision Schedules

Content

📁 Car >

Car + ...

🔍 Search list

-  Nissan Altima
-  Chevrolet Camaro
-  Porsche 911
-  Mercedes-Benz C-Class
-  Audi A6
-  BMW X5
-  Ford Mustang
-  Tesla Model 3

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Car

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- *Code snippets for API integration and migration scripts.*

```
sanity > scripts > TS importData.ts > [x] syncCarsToSanity

71 // Main function to sync data using async/await and try-catch
72 const syncCarsToSanity = async () => {
73   try {
74     console.log("Fetching car data from API...");
75     const carData = await fetchCarData(); // Fetch data from the API
76     const transformedData = await Promise.all(carData.map(transformCarData));
77     console.log(`Fetched ${carData.length} cars`);
78     // Use async/await in a for loop to sync each car to Sanity
79     for (const car of transformedData) {
80       try {
81         await client.createOrReplace(car); // Wait for each document to be created
82       } catch (error) {
83         console.error("Error writing car data to Sanity:", error);
84       }
85     }
86
87     console.log("All car data has been synced to Sanity!");
88   } catch (error) {
89     console.error("Error syncing car data:", error);
90   }
91 };
```