

"Marketplace Technical Foundation - [Car-Rental Website]"

Day 3: API Data Migration to Sanity & Integration with Next.js:

Objective:

The objective for Day 3 is to successfully migrate data from the external API to Sanity CMS and integrate it with the Next.js frontend. This will ensure seamless data flow from the backend (Sanity) to the frontend (Next.js) for the Car Rental e-commerce website.

Steps Completed:

1. API Data Migration to Sanity

- Migrated data from the car rental API into Sanity CMS.
- Used Sanity's import tools to structure the incoming data appropriately based on the schema design from previous days.
- Ensured that the car details, rental availability, and pricing data were properly categorized in Sanity, maintaining integrity across product listings.

2. Sanity Schema Setup

- Configured necessary schemas in Sanity for the Car Rental website, including fields for car models, pricing, availability, images, and customer reviews.
- Linked references in Sanity to establish relationships between car models and rental pricing data, enhancing the data structure.

3. Next.js Frontend Integration

- Integrated Sanity CMS with the Next.js application using the `@sanity/client` package.
- Created API calls to fetch car data from Sanity and render it on the product listing and product detail pages.
- Implemented dynamic routing for each car model's page, utilizing data fetched from Sanity CMS.

4. Testing and Verification

- Tested data fetching and rendering on various pages to ensure seamless integration between Sanity and the frontend.
- Validated that the correct data was displayed for each car model, including details like availability, pricing, and images.

Challenges Faced:

- Ensuring that the data was correctly formatted and structured when migrating from the API to Sanity.
- Faced some challenges with ensuring the accurate and efficient rendering of car model data on the frontend.