

MARKET PLACE HACKATHON 2025 DAY 03:

Day 3 - "API Integration Report – Rental E-Commerce"

Understanding API integration process.

The below diagrams shows the data for provided API that is divided into two categories (for Popular cars and Recommended cars)

Popular Cars API	Provided API	Recommended cars API
{ "id": 1, "name": "Koenigsegg", "type": "spot", "fuel-capacity": "90l", "transmission": "manual", "seating-capacity": "2 People", "price-per-day": "\$99.00", "image-URL": car1, "tags": ["popular"], "like-color" : redheart },	[{ "id": 1, "name": "Koenigsegg", "type": "spot", "fuel-capacity": "90l", "transmission": "manual", "seating-capacity": "2 People", "price-per-day": "\$99.00", "image-URL": "https://hackthone-3- template- 07.vercel.app/", "tags": ["Popular"] },]]	{ "id"; 12, "name": "Nissan Altima", "brand": "Nissan", "type": "hybrid", "fuel-capacity": "50l", "transmission": "Manual", "seating-capacity": "5seats", "price-per-day": "\$90.00", "image-URL": Car12, "tags": ["recommended "], "like-color" : redheart } }

- Key endpoint for API

The end-point for popular cars API and recommended cars API are as follows;

A- Api/popular-category

B- Apirecommended-category

2 - VALIDATE AND ADJUSTMENT OF SCHEMA

PROVIDED SCHEMA DATA

```
export default {
  name: 'car',
  type: 'document',
  title: 'Car',
  fields: [
    {
      name: 'name',
      type: 'string',
      title: 'Car Name',
    },
    {
      name: 'brand',
      type: 'string',
      title: 'Brand',
      description: 'Brand of the car (e.g., Nissan, Volvo, etc.)',
    },
    {
      name: 'type',
      type: 'string',
      title: 'Car Type',
      description: 'Type of the car (e.g., Sport, Sedan, SUV, etc.)',
    },
    {
      name: 'fuelCapacity',
      type: 'string',
      title: 'Fuel Capacity',
      description: 'Fuel capacity or battery capacity (e.g., 40L, 100kwh)',
    },
    {
      name: 'transmission',
      type: 'string',
      title: 'Transmission',
      description: 'Type of transmission (e.g., Manual, Automatic)',
    },
    {
      name: 'seatingCapacity',
      type: 'string',
      title: 'Seating Capacity',
      description: 'Number of seats (e.g., 2 People, 4 seats)',
    },
    {
      name: 'pricePerDay',
      type: 'string',
      title: 'Price Per Day',
      description: 'Rental price per day',
    },
    {
      name: 'originalPrice',
      type: 'string',
      title: 'Original Price',
      description: 'Original price before discount (if applicable)',
    },
    {
      name: 'tags',
      type: 'array',
      title: 'Tags',
      of: [{ type: 'string' }],
      options: {
        layout: 'tags',
      },
      description: 'Tags for categorization (e.g., popular, recommended)',
    },
    {
      name: 'image',
      type: 'image',
      title: 'Car Image',
      options: {
        hotspot: true
      }
    }
  ]
};
```

MODIFIED DATA FOR POPULAR CARS

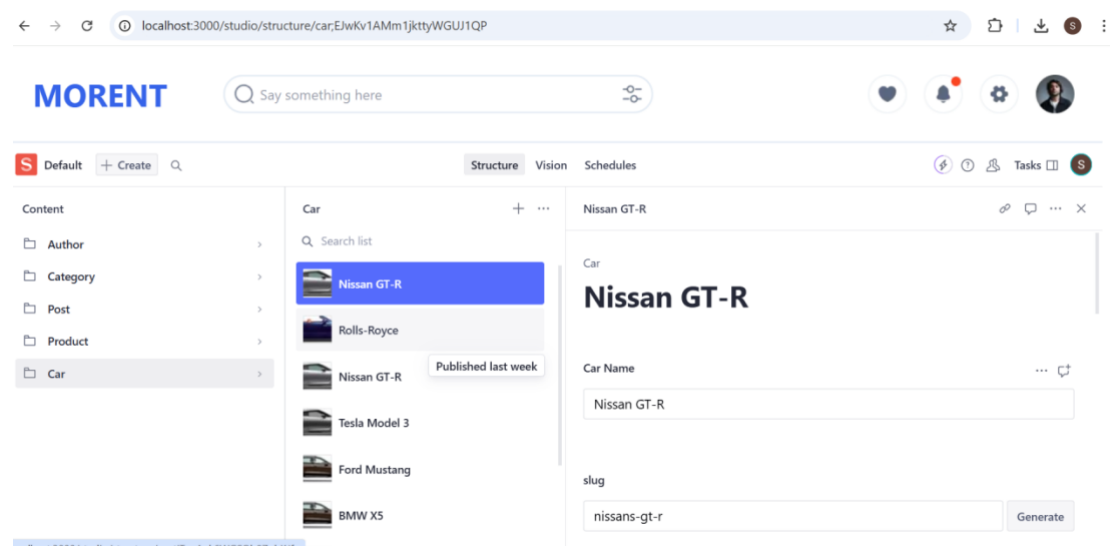
```
export default {
  name: 'PopularCar',
  type: 'document',
  title: 'PopularCar',
  fields: [
    {
      name: 'name',
      type: 'string',
      title: 'Car Name',
    },
    {
      name: 'type',
      type: 'string',
      title: 'Car Type',
      description: 'Type of the car (e.g., Sport, Sedan, SUV, etc.)',
    },
    {
      name: 'fuelCapacity',
      type: 'string',
      title: 'Fuel Capacity',
      description: 'Fuel capacity or battery capacity (e.g., 40L, 100kwh)',
    },
    {
      name: 'transmission',
      type: 'string',
      title: 'Transmission',
      description: 'Type of transmission (e.g., Manual, Automatic)',
    },
    {
      name: 'seatingCapacity',
      type: 'string',
      title: 'Seating Capacity',
      description: 'Number of seats (e.g., 2 People, 4 seats)',
    },
    {
      name: 'pricePerDay',
      type: 'string',
      title: 'Price Per Day',
      description: 'Rental price per day',
    },
    {
      name: 'tags',
      type: 'array',
      title: 'Tags',
      of: [{ type: 'string' }],
      options: {
        layout: 'tags',
      },
      description: 'Tags for categorization (e.g., popular, recommended)',
    },
    {
      name: 'image',
      type: 'image',
      title: 'Car Image',
      options: {
        hotspot: true
      }
    }
  ]
};
```

MODIFIED DATA FOR RECOMMENDED CARS

```
export default {
  name: 'RecommendedCar',
  type: 'document',
  title: 'RecommendedCar',
  fields: [
    {
      name: 'name',
      type: 'string',
      title: 'Car Name',
    },
    {
      name: 'type',
      type: 'string',
      title: 'Car Type',
      description: 'Type of the car (e.g., Sport, Sedan, SUV, etc.)',
    },
    {
      name: 'fuelCapacity',
      type: 'string',
      title: 'Fuel Capacity',
      description: 'Fuel capacity or battery capacity (e.g., 40L, 100kwh)',
    },
    {
      name: 'transmission',
      type: 'string',
      title: 'Transmission',
      description: 'Type of transmission (e.g., Manual, Automatic)',
    },
    {
      name: 'seatingCapacity',
      type: 'string',
      title: 'Seating Capacity',
      description: 'Number of seats (e.g., 2 People, 4 seats)',
    },
    {
      name: 'pricePerDay',
      type: 'string',
      title: 'Price Per Day',
      description: 'Rental price per day',
    },
    {
      name: 'tags',
      type: 'array',
      title: 'Tags',
      of: [{ type: 'string' }],
      options: {
        layout: 'tags',
      },
      description: 'Tags for categorization (e.g., popular, recommended)',
    },
    {
      name: 'image',
      type: 'image',
      title: 'Car Image',
      options: {
        hotspot: true
      }
    }
  ]
};
```

3. DATA FETCHING FROM SANITY

Here 're the pictures mentioned in which clearly shows , that' how data Fetch from sanity and migrate in the project



```
import React from 'react';
import Image from 'next/image';
import Link from 'next/link';
import fuel from '@app/assets/section1/fuel.png';
import sterling from '@app/assets/section1/Sterling wheel.png';
import user from '@app/assets/section1/profile.png';
import { client } from '@sanity/lib/client';
import { urlFor } from '@sanity/lib/image';

const Section1 = async () => {

  const query = `*[ _type == "Popularcar" ]`;
  const popularcars = await client.fetch(query);
  console.log(popularcars)

  return (
    <div className='px-[40px] py-[32px] bg-[#F6F7F9] '>
      { /* div for popular car heading and view all link */ }
      <div className='flex justify-between px-3' > ...
    </div>

    <div className='my-2 w-fit mx-auto sm:mx-0 sm:w-full justify-center gap-8 flex flex-col sm:flex-row sm:flex-wrap sm:justify-between' >
      { popularcars.map((r:any , index:number) => { ...
      }) }
    </div>
  )
}

export default Section1
```


4. DATA DISPLAY ON FRONTEND

Popular Cars

Popularcar

Nissan GT-R

Sports




80L Manual 2 People

\$80.00/day Rent Now

Popularcar

Koenigsegg

Sports




90L Manual 2 People

\$99.00/day Rent Now

Popularcar

Nissan GT-R

Sports




80L Manual 2 People

\$80.00/day Rent Now

Popularcar

Rolls-Royce

Sedan



70L Manual 4 People

\$96.00/day Rent Now


View All

Recommendation Cars

recommendedcar

Chevrolet Camaro

Gasoline




70L Manual 4 seats

\$110.00/day Rent Now

recommendedcar

Ford Mustang

Gasoline




60L Manual 4 seats

\$80.00/day Rent Now

recommendedcar

Nissan Altima

Hybrid




50L Manual 5 seats

\$90.00/day Rent Now

recommendedcar

Mercedes-Benz C-Class

Gasoline



65L Manual 5 seats


\$140.00/day Rent Now

View All

recommendedcar

All New Terlos

SUV




90L Manual 6 People

\$74.00/day Rent Now

recommendedcar

Audi A6

Hybrid




50L Manual 5 seats

\$120.00/day Rent Now

recommendedcar

Porsche 911

Gasoline




60L Manual 4 People

\$200.00/day Rent Now

recommendedcar

BMW X5

Diesel



70L Manual 7 seats

\$150.00/day Rent Now

recommendedcar

Tesla Model 3

Electric



100L Manual 5 seats

\$100.0/day Rent Now

recommendedcar

MG ZX Exclusive

Hatchback



90L Manual 2 People

\$99.00/day Rent Now

recommendedcar

Rolls-Royce

SUV



70L Manual 6 People

\$72.00/day Rent Now

recommendedcar

CR-V

SUV



80L Manual 6 People

\$80.00/day Rent Now