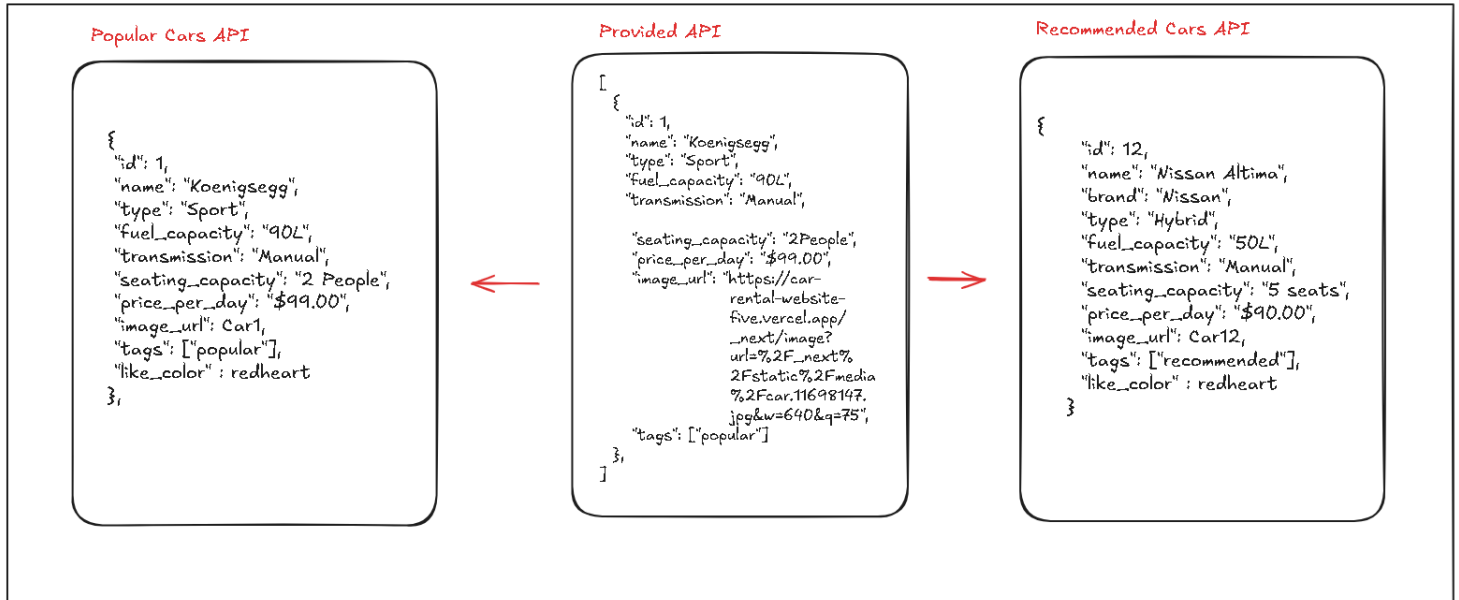


# MARKET PLACE HACKATHON 2025

## DAY 03: API INTEGRATION AND DATA MIGRATION

### 1. UNDERSTAND THE PROVIDED API

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



#### i. KEY ENDPOINT FOR API

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

- api/popular\_category
- api/recommended\_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, Tesla, 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., 90L, 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
      }
    }
  ],
};
```

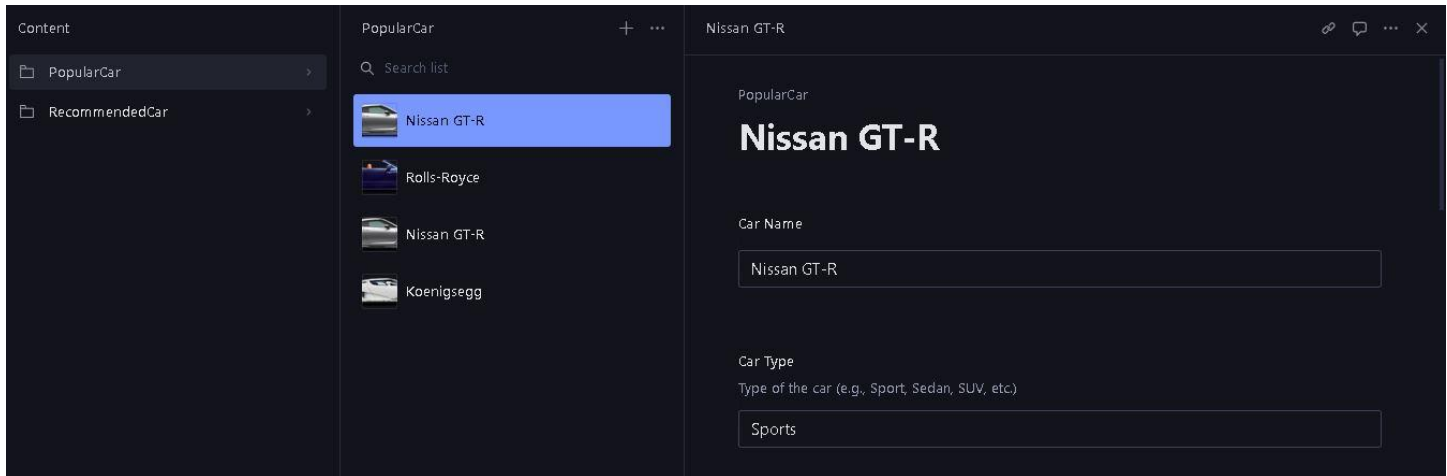
### MODIFIED DATA FOR POPULAR CARS

```
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., 90L, 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., 90L, 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



```
import React from 'react';
import Image from 'next/image';
import Link from 'next/link';
import fuel from '@app/assets/section1/fuel.png';
import steering from '@app/assets/section1/Steering 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>
  </div>
  )
}

export default Section1
```

## 4. DATA DISPLAY ON FRONTEND


Popular Cars

[View All](#)

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](#)


Recommendation Cars

[View All](#)

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](#)

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](#)