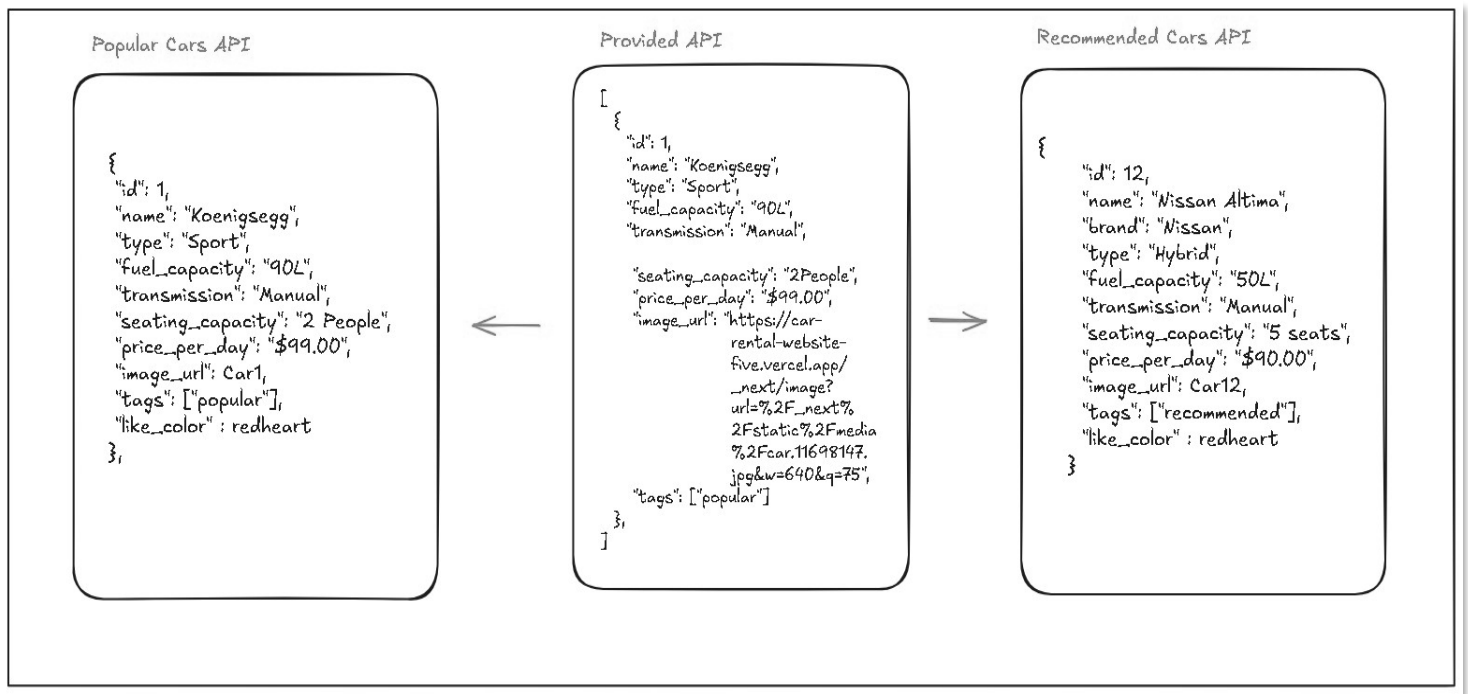


DAY 03: API INTEGRATION AND DATA MIGRATION

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
      }
    }
  ],
};
```

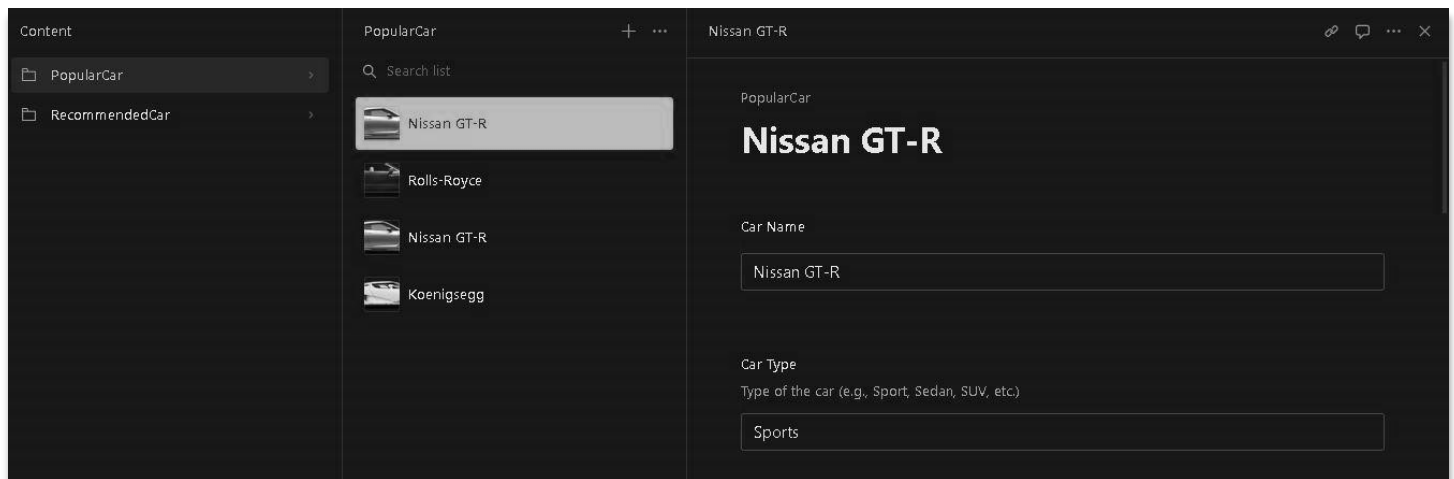
MODIFIED DATA FOR POPULAR CARS

```
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
<div>Popularcar</div> <div>Nissan GT-R</div> <div>Sports</div> <div></div> <div>80L Manual 2 People</div> <div>\$80.00/day Rent Now</div>	<div>Popularcar</div> <div>Koenigsegg</div> <div>Sports</div> <div></div> <div>90L Manual 2 People</div> <div>\$99.00/day Rent Now</div>	<div>Popularcar</div> <div>Nissan GT-R</div> <div>Sports</div> <div></div> <div>80L Manual 2 People</div> <div>\$80.00/day Rent Now</div>	<div>Popularcar</div> <div>Rolls-Royce</div> <div>Sedan</div> <div></div> <div>70L Manual 4 People</div> <div>\$96.00/day Rent Now</div>	
Recommendation Cars				View All
<div>recommendedcar</div> <div>Chevrolet Camaro</div> <div>Gasoline</div> <div></div> <div>70L Manual 4 seats</div> <div>\$110.00/day Rent Now</div>	<div>recommendedcar</div> <div>Ford Mustang</div> <div>Gasoline</div> <div></div> <div>60L Manual 4 seats</div> <div>\$80.00/day Rent Now</div>	<div>recommendedcar</div> <div>Nissan Altima</div> <div>Hybrid</div> <div></div> <div>50L Manual 5 seats</div> <div>\$90.00/day Rent Now</div>	<div>recommendedcar</div> <div>Mercedes-Benz C-Class</div> <div>Gasoline</div> <div></div> <div>65L Manual 5 seats</div> <div>\$140.00/day Rent Now</div>	
<div>recommendedcar</div> <div>All New Terlos</div> <div>SUV</div> <div></div> <div>90L Manual 6 People</div> <div>\$74.00/day Rent Now</div>	<div>recommendedcar</div> <div>Audi A6</div> <div>Hybrid</div> <div></div> <div>50L Manual 5 seats</div> <div>\$120.00/day Rent Now</div>	<div>recommendedcar</div> <div>Porsche 911</div> <div>Gasoline</div> <div></div> <div>60L Manual 4 People</div> <div>\$200.00/day Rent Now</div>	<div>recommendedcar</div> <div>BMW X5</div> <div>Diesel</div> <div></div> <div>70L Manual 7 seats</div> <div>\$150.00/day Rent Now</div>	
<div>recommendedcar</div> <div>Tesla Model 3</div> <div>Electric</div> <div></div> <div>100L Manual 5 seats</div> <div>\$100.0/day Rent Now</div>	<div>recommendedcar</div> <div>MG ZX Exclusive</div> <div>Hatchback</div> <div></div> <div>90L Manual 2 People</div> <div>\$99.00/day Rent Now</div>	<div>recommendedcar</div> <div>Rolls-Royce</div> <div>SUV</div> <div></div> <div>70L Manual 6 People</div> <div>\$72.00/day Rent Now</div>	<div>recommendedcar</div> <div>CR-V</div> <div>SUV</div> <div></div> <div>80L Manual 6 People</div> <div>\$80.00/day Rent Now</div>	