

Step 3: Plan API Requirements

1. Car Listings

- **Endpoint Name:** /cars
- **Method:** GET
- **Description:** Fetch all available cars from Sanity CMS.
- **Response:**

```
[
  {
    "id": "123",
    "name": "Sedan X",
    "category": "Sedan",
    "rentPerDay": 70,
    "fuelCapacity": 40,
    "seats": 5,
    "transmissionType": "Automatic",
    "image": "url-to-car-image",
    "ratings": 4.5
  },
  ...
]
```

2. Car Details

- **Endpoint Name:** /cars/:id
- **Method:** GET
- **Description:** Fetch detailed information about a specific car.
- **Response:**

```
{
  "id": "123",
  "name": "Sedan X",
  "category": "Sedan",
  "rentPerDay": 70,
  "fuelCapacity": 40,
  "seats": 5,
  "transmissionType": "Automatic",
  "image": "url-to-car-image",
  "ratings": 4.5,
  "reviews": [
    { "user": "John", "comment": "Great car!", "rating": 5 },
    { "user": "Jane", "comment": "Smooth ride!", "rating": 4.5 }
  ]
}
```

3. Create a Rental Order

- **Endpoint Name:** /rentals
- **Method:** POST
- **Description:** Create a new rental order in Sanity CMS.
- **Payload:**

```
{
```

```
"userId": "u001",
"carId": "123",
"pickupLocation": "Location A",
"dropoffLocation": "Location B",
"rentalDuration": "7 days",
"totalCost": 500
}
```

- **Response:**

```
{
  "orderId": "o456",
  "status": "Success",
  "confirmation": "Your rental has been booked!"
}
```

4. Track Rental Status

- **Endpoint Name:** /rentals/:orderId/status
- **Method:** GET
- **Description:** Fetch the current status of a rental via a third-party shipment API
- **Response:**

```
{
  "shipmentId": "sh789",
  "orderId": "o456",
  "status": "In Transit",
  "expectedDropoffDate": "2025-01-20"
}
```

5. User Profile and Rental History

- **Endpoint Name:** /users/:id/rentals
- **Method:** GET
- **Description:** Fetch the rental history of a user.
- **Response:**

```
[
  {
    "orderId": "o456",
    "car": "Sedan X",
    "rentalDuration": "7 days",
    "pickupLocation": "Location A",
    "dropoffLocation": "Location B",
    "status": "Completed"
  },
  ...
]
```

6. Payment Processing

- **Endpoint Name:** /payments
- **Method:** POST
- **Description:** Process payment for a rental order.
- **Payload:**

```
{  
  "orderId": "o456",  
  "paymentMethod": "Credit Card",  
  "amount": 500  
}
```

- **Response:**

```
{  
  "paymentId": "p789",  
  "status": "Success",  
  "confirmation": "Payment received!"  
}
```