

MARKET PLACE HACKATHON 2025

DAY 04: BUILDING DYNAMIC COMPONENTS FOR MARKETPLACE Implementation Report (Rental E-Commerce)

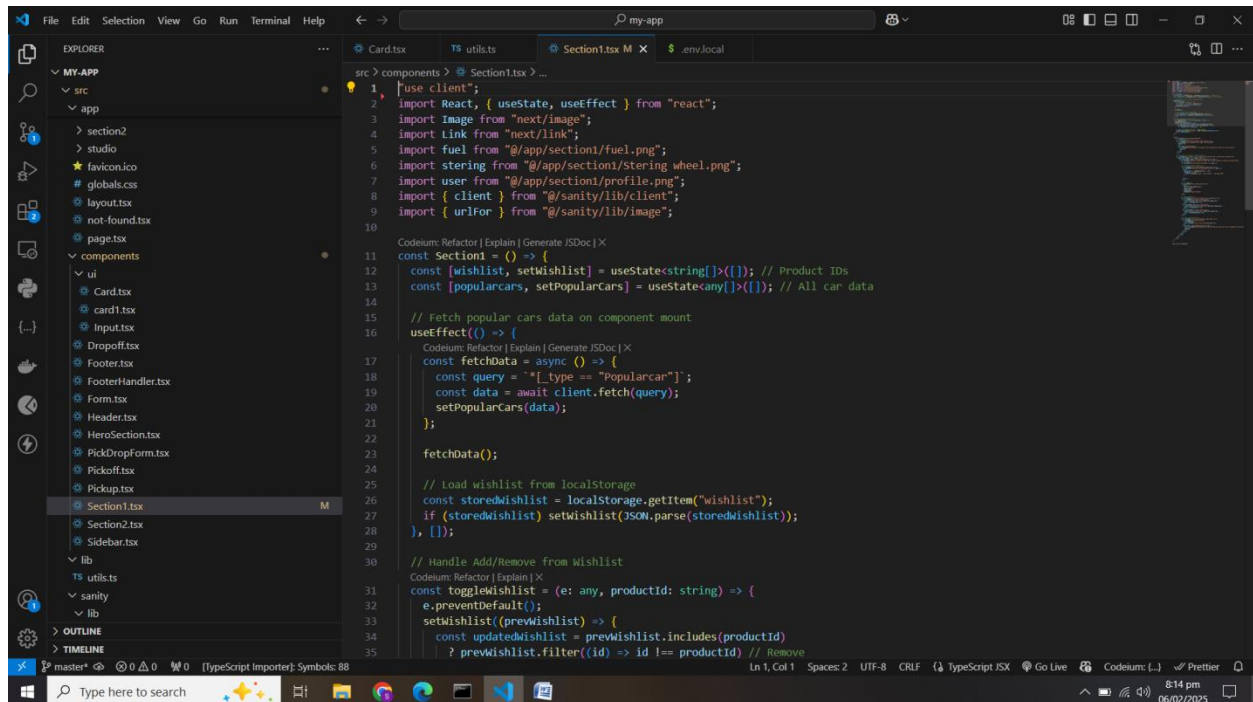
Objective:

On Day 4, we worked on creating dynamic frontend components for the Rental E-Commerce Marketplace. The focus was on showing data fetched from Sanity CMS and APIs. We built reusable components, managed state efficiently, and ensured the design was responsive.

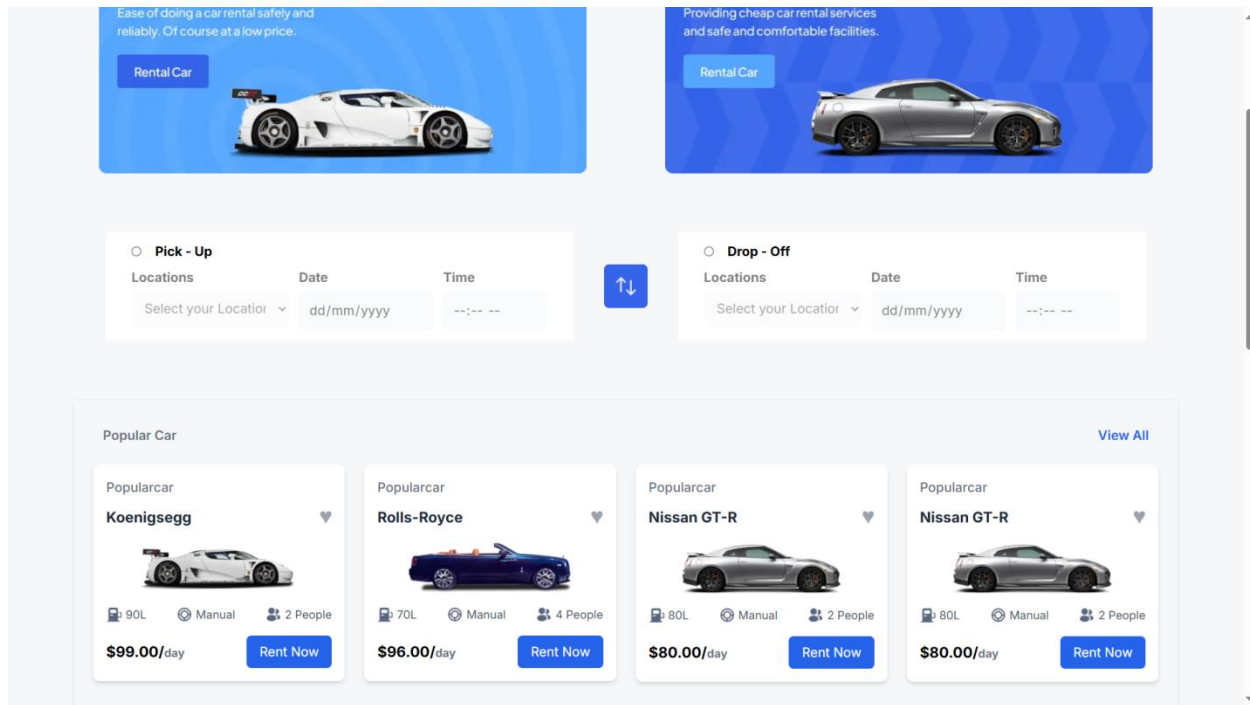
1. FUNCTION DELIVARABLES :

- PRODUCT LISTING WITH DYNAMIC DATA

❖ Section 1 (Dynamic Popular Car)



```
1  {use client};
2  import React, { useState, useEffect } from "react";
3  import Image from "next/image";
4  import Link from "next/link";
5  import fuel from "@app/section1/fuel.png";
6  import steering from "@app/section1/steering wheel.png";
7  import user from "@app/section1/profile.png";
8  import { client } from "@sanity/lib/client";
9  import { urlFor } from "@sanity/lib/image";
10
11  const Section1 = () => {
12    const [wishlist, setWishlist] = useState<string[]>([]); // Product IDs
13    const [popularcars, setPopularCars] = useState<any[]>([]); // All car data
14
15    // Fetch popular cars data on component mount
16    useEffect(() => {
17      const fetchData = async () => {
18        const query = "[*_type == 'Popularcar']";
19        const data = await client.fetch(query);
20        setPopularCars(data);
21      };
22      fetchData();
23
24      // Load wishlist from localStorage
25      const storedwishlist = localStorage.getItem("wishlist");
26      if (storedwishlist) setWishlist(JSON.parse(storedwishlist));
27    }, []);
28
29    // Handle Add/Remove from Wishlist
30    const togglewishlist = (e: any, productid: string) => {
31      e.preventDefault();
32      setWishlist((prevwishlist) => {
33        const updatedwishlist = prevwishlist.includes(productid)
34          ? prevwishlist.filter((id) => id !== productid) // Remove
35          : [...prevwishlist, productid]; // Add
36      });
37    };
38  };
39
40  export default Section1;
```

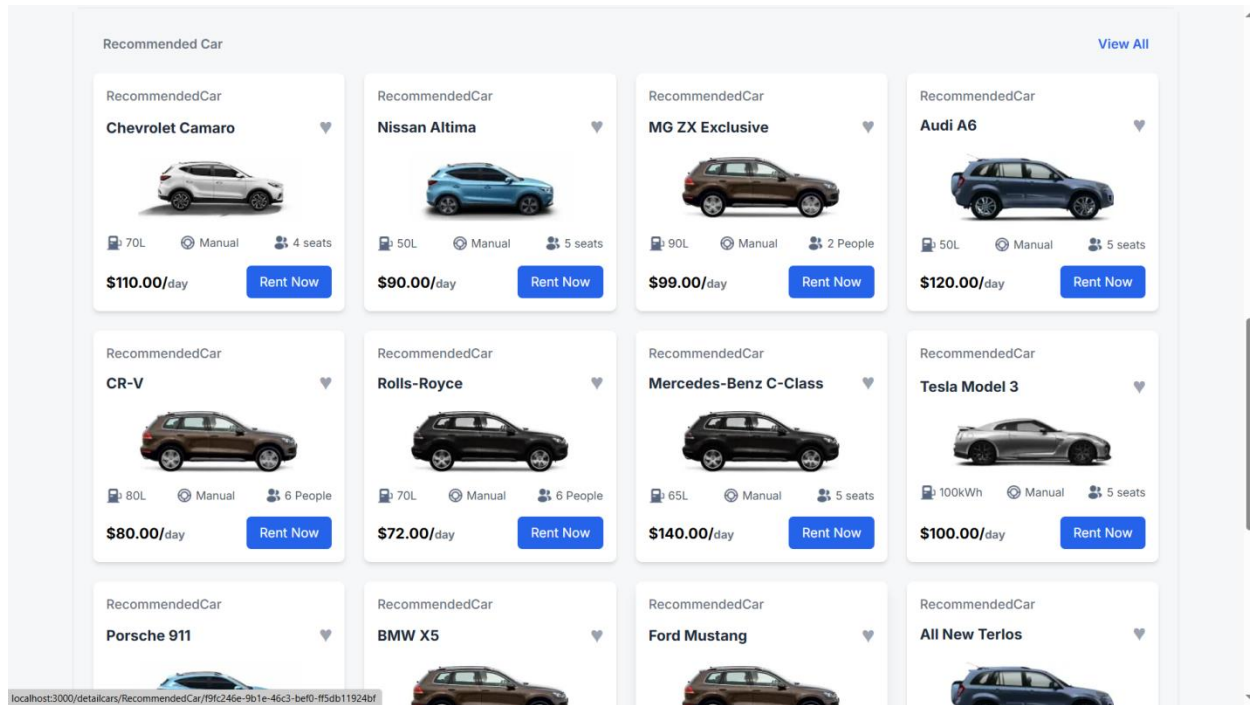


❖ Section 2 (Dynamic Recommended Car)

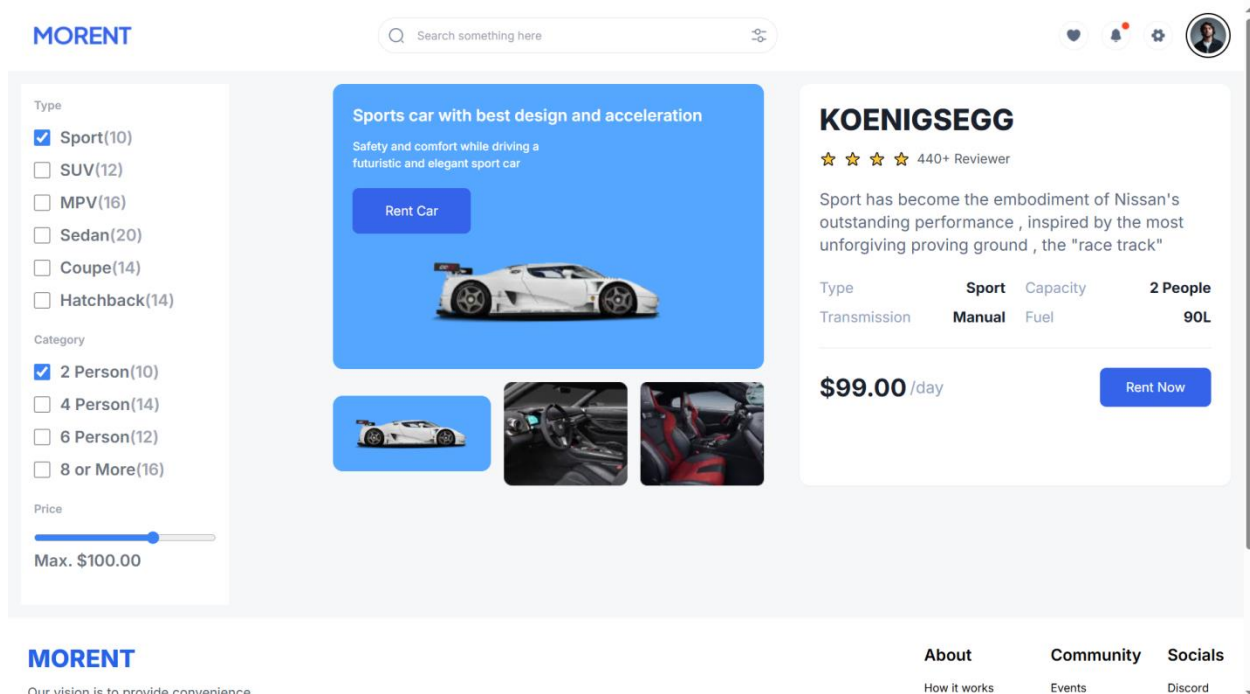
```

File Edit Selection View Go Run Terminal Help
src > components > Section2.tsx > ...
1. "use client";
2. import React, { useState, useEffect } from "react";
3. import Image from "next/image";
4. import Link from "next/link";
5. import fuel from "@app/section1/fuel.png";
6. import sterling from "@module/e:/Hackathon 3 new work/my-app/src/sanity/lib/client"
7. import user from "@app";
8. import { client } from "@sanity/lib/client";
9. import { urlFor } from "@sanity/lib/image";
10.
Codeium: Refactor | Explain | Generate | JSDoc | X
11. const Section2 = () => {
12.   const [wishlist, setWishlist] = useState<string[]>([]);
13.   const [recommendedCars, setRecommendedCars] = useState<any[]>([]);
14.   const [showAll, setShowAll] = useState(false);
15.
16.   // Fetch recommended cars on mount
17.   useEffect(() => {
18.     Codeium: Refactor | Explain | Generate | JSDoc | X
19.     const fetchData = async () => {
20.       const query = `*[ _type == "RecommendedCar" ]`;
21.       const data = await client.fetch(query);
22.       setRecommendedCars(data);
23.     };
24.     fetchData();
25.
26.     // Load wishlist from localStorage
27.     const storedWishlist = localStorage.getItem("wishlist");
28.     if (storedWishlist) setWishlist(JSON.parse(storedWishlist));
29.   }, []);
30.
31.   // Handle Add/Remove from Wishlist
32.   Codeium: Refactor | Explain | X
33.   const toggleWishlist = (e: any, productid: string) => {
34.     e.preventDefault();
35.     setWishlist((prevWishlist) => {
36.       const updatedWishlist = prevWishlist.includes(productid)

```



- **INDIVIDUAL PRODUCT DETAIL PAGE**



Type

- ☐ Sport(10)
- ☒ SUV(12)
- ☐ MPV(16)
- ☐ Sedan(20)
- ☐ Coupe(14)
- ☐ Hatchback(14)

Category

- ☐ 2 Person(10)
- ☐ 4 Person(14)
- ☒ 6 Person(12)
- ☐ 8 or More(16)

Price



Sports car with best design and acceleration

Safety and comfort while driving a futuristic and elegant sport car

Rent Car



ALL NEW TERLOS

440+ Reviewer

NISMO has become the embodiment of Nissan's outstanding performance , inspired by the most unforgiving proving ground , the "race track"

Type **SUV** Capacity **6 People**
Transmission **Manual** Fuel **90L**

\$74.00 /day

Rent Now

Type

- ☐ Sport(10)
- ☐ SUV(12)
- ☐ MPV(16)
- ☐ Sedan(20)
- ☐ Coupe(14)
- ☒ Hatchback(14)

Category

- ☒ 2 Person(10)
- ☐ 4 Person(14)
- ☐ 6 Person(12)
- ☐ 8 or More(16)

Price



Sports car with best design and acceleration

Safety and comfort while driving a futuristic and elegant sport car

Rent Car



MG ZX EXCLUSIVE

440+ Reviewer

NISMO has become the embodiment of Nissan's outstanding performance , inspired by the most unforgiving proving ground , the "race track"

Type **Hatchback** Capacity **2 People**
Transmission **Manual** Fuel **90L**

\$99.00 /day

Rent Now

- ALL CATEGORIES WITH FILTER OPTIONS

MORENT

Search something here

TYPE

☒ Sport
 ☐ Sedan
 ☐ SUV
 ☐ Hatchback
 ☐ Gasoline
 ☐ Hybrid
 ☐ Electric
 ☐ Diesel

Capacity

☐ 2 People
 ☐ 4 People
 ☐ 5 People
 ☐ 6 People

Popularcar

Koenigsegg

Sport

90L Manual 2 People
 \$99.00/day
 Rent Now

Popularcar

Nissan GT-R

Sport

80L Manual 2 People
 \$80.00/day
 Rent Now

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Nissan GT-R

Sport

80L Manual 2 People
 \$80.00/day
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Our vision is to provide convenience and help increase your sales business.

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TYPE

☐ Sport
 ☐ Sedan
 ☒ SUV
 ☒ Hatchback
 ☐ Gasoline
 ☐ Hybrid
 ☐ Electric
 ☐ Diesel

Capacity

☒ 2 People
 ☐ 4 People
 ☐ 5 People
 ☒ 6 People

RecommendedCar

MG ZX Exclusive

Hatchback

90L Manual 2 People
 \$99.00/day
 Rent Now

RecommendedCar

CR-V

SUV

80L Manual 6 People
 \$80.00/day
 Rent Now

RecommendedCar

Rolls-Royce

SUV

70L Manual 6 People
 \$72.00/day
 Rent Now

RecommendedCar

All New Terios

SUV

90L Manual 6 People
 \$74.00/day
 Rent Now

Show More

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- WISHLIST PAGE:

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My Wishlist

Nissan Altima

Type: Hybrid

Description: NISMO has become the embodiment of Nissan's outstanding performance , inspired by the most unforgiving proving ground , the "race track"

Seating Capacity: 5 seats

Fuel Capacity: 50L

Tesla Model 3

Type: Electric

Description: NISMO has become the embodiment of Nissan's outstanding performance , inspired by the most unforgiving proving ground , the "race track"

Seating Capacity: 5 seats

Fuel Capacity: 100kWh

Porsche 911

Type: Gasoline

Description: NISMO has become the embodiment of Nissan's outstanding performance , inspired by the most unforgiving proving ground , the "race track"

Seating Capacity: 4 seats

Fuel Capacity: 60L

- USER DETAIL PAGE:

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Confirm Booking

Please enter your billing info

Step 1 to 4

Name

Your Name

Phone Number

Address

Address

Town/City

Rental Info

Please select your Rental Date

Step 2 to 4

Pick - Up

Location

Date

Select your Location

dd/mm/yyyy

Time

--:-- --

Payment Method

Please enter your payment method

Step 3 to 4

Credit Card

Card Number

Expiration Date

Card number

dd/mm/yyyy

Card Holder

CVC

Rental Summary

Prices may change depending on the length of the rental and the price of your rental car

Koenigsegg

★ ★ ★ ★

440+ Reviews

Subtotal

\$99.00

Tax

\$0

Total Rental Price

\$99.00

Overall price and includes rental discount

2. SANITY DATABASE

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RecommendedCar

PopularCar

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Rolls-Royce

Nissan GT-R

Nissan GT-R

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MG ZX Exclusive

All New Terlos

CR-V

Rolls-Royce

Chevrolet Camaro

Mercedes-Benz C-Class

Audi A6

BMW X5

Ford Mustang

Tesla Model 3

Porsche 911

Nissan Altima