

# DAY 4 IMPLEMENTATION REPORT

## Day 4 Activity Summary:

The objective of this activity was to design and implement dynamic frontend components for a marketplace, ensuring they are modular and reusable. Students utilized Next.js and Sanity CMS to create responsive and professional UI components. Key components included:

- Product Listing and Detail Components
- Search Bar and Category Filters
- Product Tags Selection
- Product Like Section
- Product Recommended
- Alert Notification
- Add To Cart Features
- Pagination and Related Products Display
- Sanity Data Import
- Sanity Data Display

This activity replicates real-world workflows, providing practice for building scalable web applications.

## Frontend Development :

- Website Design Page Like ( Home Page , Category Page , Car Detail Page , Add To Cart
- Website Creation Languages Next.js And React.js
- Styling and Responsive Creation By Tailwind CSS

## Backend Development :

- Sanity Data and More APIs

## Components Integration :

- Cart System , User Profile , Search Bar , Tags , Like , Description , Cart Data Update System , Sanity Data Integrate and Much More.

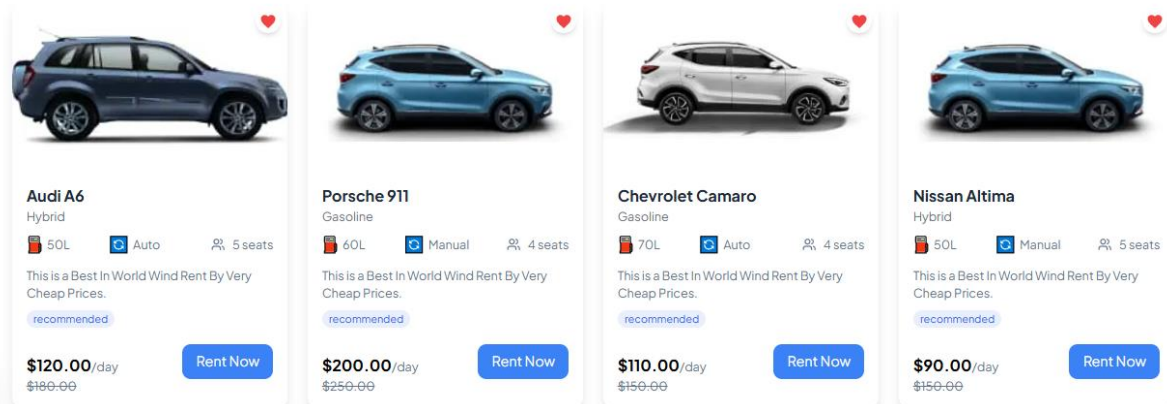
## Components Integration :

- Website Finally Result User-Friendly.
- Website Which Feature Improvement By Adding A.I By Voice Commutate But Present Feature is 24/7 Team Support and Low Prices Car Rent Easily.

## Product Listing Screen Shot

Sanity Car

[View All](#)



## Product Listing Code

```
src > app > display > car.tsx > CarDisplay > useEffect() callback
1 // Updated CarDisplay component (car.tsx)
2 "use client"; // Add this line to mark the component as a client component
3
4 import React, { useEffect, useState } from 'react';
5 import Image from 'next/image';
6 import { createClient } from '@sanity/client';
7 import { Users } from 'lucide-react';
8 import { urlFor } from '@sanity/lib/image';
9 import { useRouter } from 'next/navigation'; // Correct import for useRouter in App Router setup
10
11 // Sanity client setup
12 const client = createClient({
13   projectId: '32dr44ij', // Replace with your Sanity project ID
14   dataset: 'production',
15   apiVersion: "2023-01-01",
16   useCdn: true,
17 });
18
19 // Car interface for TypeScript
20 interface Car {
21   _id: string;
22   name: string;
23   brand: string;
24   description: string;
25   type: string;
26   fuelCapacity: string;
27   transmission: string;
28   seatingCapacity: string;
29   pricePerDay: string;
30   originalPrice: string;
31   tags: string[];
32   image?: {
```

## Dynamic Routing With Product Detail :

### Product 1



## Product 2

**MORENT**

**TYPE**


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




**CAPACITY**

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

**PRICE**

\$0Max. \$100.00





### Porsche 911

Porsche ★★★★☆ 440+ Reviewer

This is a Best In World Wind Rent By Very Cheap Prices.

**Type:** Gasoline **Fuel Capacity:** 60L

**Transmission:** Manual **Seating Capacity:** 4 seats

**\$200.00**/day  
~~\$250.00~~

[Add to Cart](#)

Your Cart

This Detail Code

```

const CarDetail = () => {
  const searchParams = useSearchParams();
  const carId = searchParams.get("id");

  interface Car {
    _id: string;
    name: string;
    brand: string;
    description: string;
    type: string;
    fuelCapacity: string;
    transmission: string;
    seatingCapacity: number;
    pricePerDay: number;
    originalPrice: number;
    tags: string[];
    image: string;
    quantity?: number; // Add quantity property
  }

  const [car, setCar] = useState<Car | null>(null);
  const [loading, setLoading] = useState(true);
  const [cart, setCart] = useState<Car[]>([]); // Cart state to store selected cars

  const addToCart = (car: Car) => {
    setCart((prevCart) => [...prevCart, car]); // Add selected car to cart
    alert(`${car.name} has been added to your cart!`); // Optional: show an alert to confirm
  };

  useEffect(() => {
    if (carId) {
      client
        .fetch(
          `*[_type == "car" && _id == $carId][0]{
            _id,
            name,
            brand,
            description,
          }`
        )
        .then((res) => {
          setCar(res);
          setLoading(false);
        });
    }
  }, [carId]);
};

```

## Product 3

**MORENT**

**TYPE**

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

**CAPACITY**

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

**PRICE**

\$0
Max. \$100.00

### Chevrolet Camaro

Chevrolet ★★★★★ 440+ Reviewer

This is a Best In World Wind Rent By Very Cheap Prices.

Type: Gasoline      Fuel Capacity: 70L

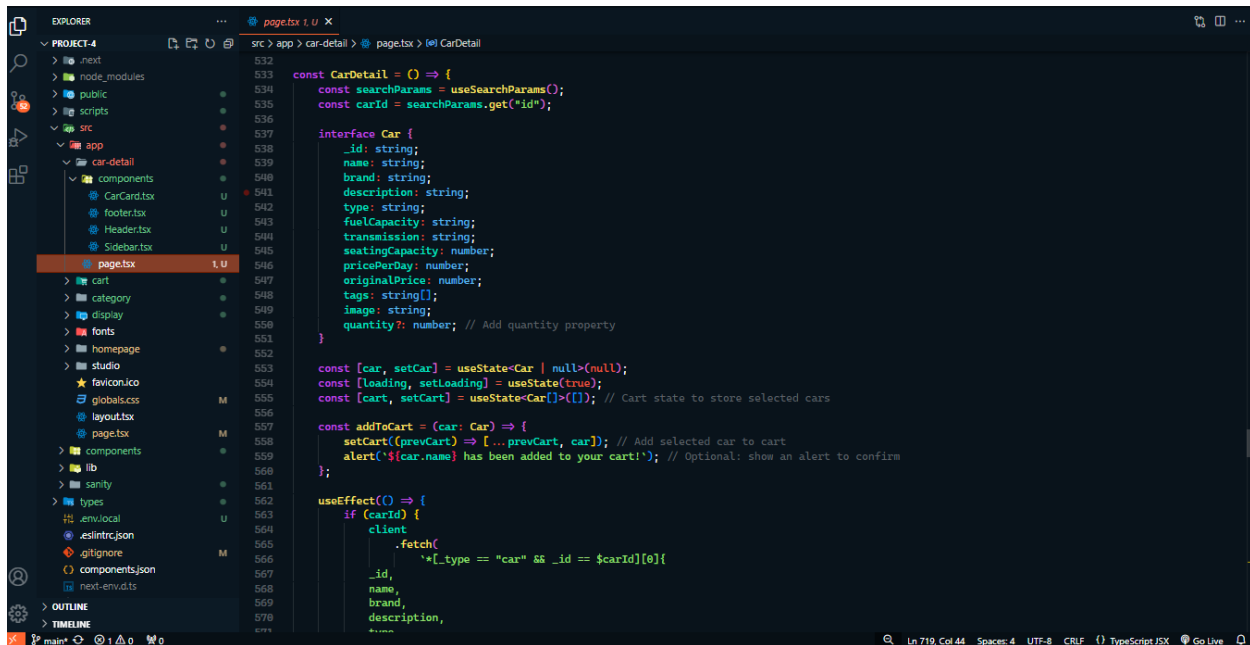
Transmission: Auto      Seating Capacity: 4 seats

**\$110.00/day**  
\$150.00

[Add to Cart](#)

**Your Cart**

# This Detail Code



```
532
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const CarDetail = () => {
  const searchParams = useSearchParams();
  const carId = searchParams.get("id");

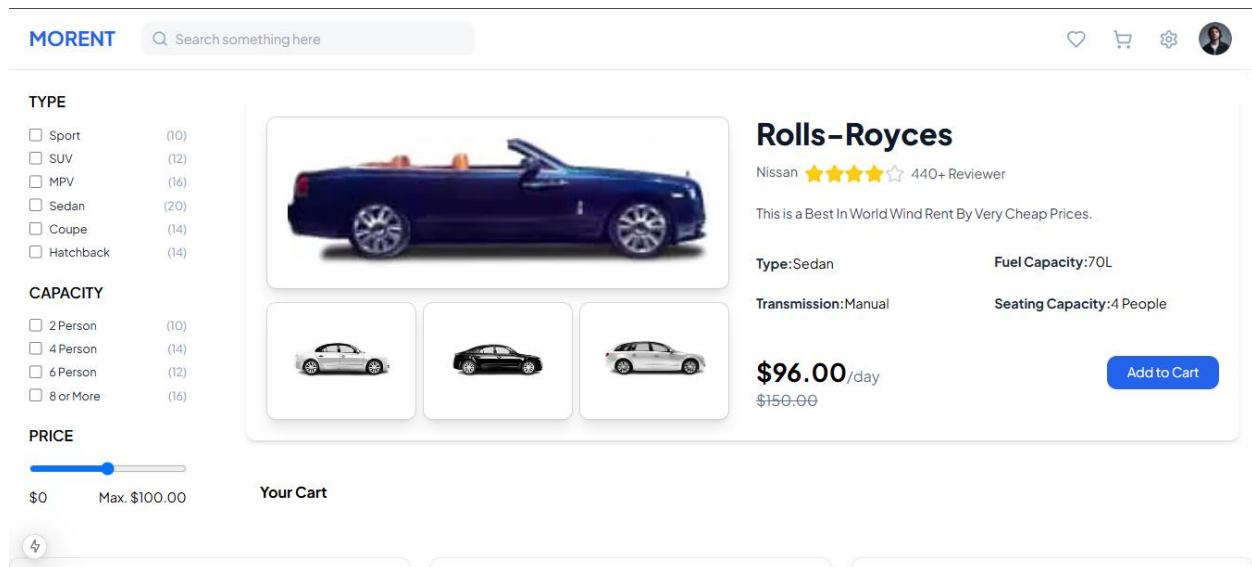
  interface Car {
    _id: string;
    name: string;
    brand: string;
    description: string;
    type: string;
    fuelCapacity: string;
    transmission: string;
    seatingCapacity: number;
    pricePerDay: number;
    originalPrice: number;
    tags: string[];
    image: string;
    quantity?: number; // Add quantity property
  }

  const [car, setCar] = useState<Car | null>(null);
  const [loading, setLoading] = useState(true);
  const [cart, setCart] = useState<Car[]>([]); // Cart state to store selected cars

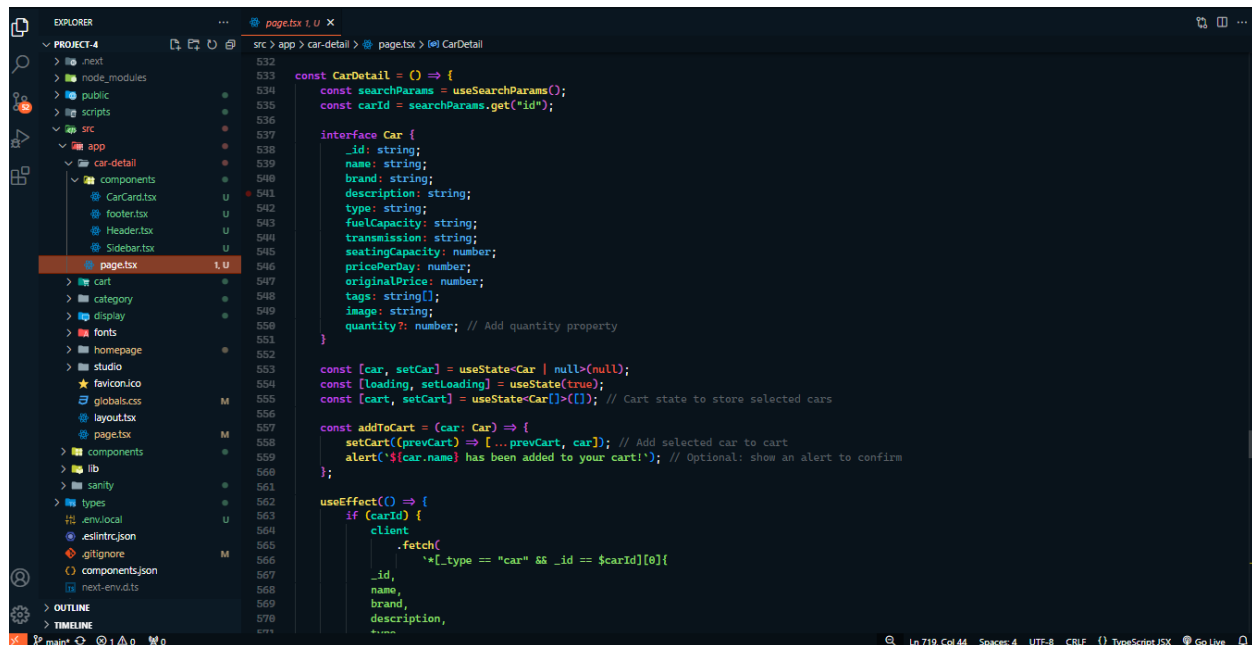
  const addToCart = (car: Car) => {
    setCart((prevCart) => [...prevCart, car]); // Add selected car to cart
    alert(`${car.name} has been added to your cart!`); // Optional: show an alert to confirm
  };

  useEffect(() => {
    if (carId) {
      client
        .fetch(
          `**[_type == "car" && _id == $carId][0]{
            _id,
            name,
            brand,
            description,
            ...`
        )
        .then((res) => {
          const json = res.json();
          setCar(json);
          setLoading(false);
        })
        .catch((err) => console.log(err));
    }
  }, [carId]);
}
```

# Product 4



## This Detail Code





# Display Search Bar



## Search Bar Code

```

EXPLORER
PROJECT 4
  > next
  > node_modules
  > public
  > scripts
  > src
    > app
      > car-detail
      > car
      > category
      > display
        > car.tx
        > fonts
      > homepage\components
        > car-card.tx
        > footer.tx
        > header.tx
        > hero.tx
        > search-form.tx
      > studio
      > favicons
      > global.css
      > layout.tx
      > page.tx
      > components
      > lib
      > sanity
      > types
      > .env.local
      > .eslintrc.json
      > .gitignore
      > components.json
      > next-env.d.ts
    > OUTLINE

src > app > homepage > components > header.tx > Header
1 import Link from "next/link"
2 import { Bell, Heart, Search, Settings, User } from 'lucide-react'
3 import { Button } from "@components/ui/button"
4 import { Input } from "@components/ui/input"
5 import Image from "next/image"
6
7 export default function Header() {
8   return (
9     <header className="sticky top-0 z-50 w-full border-b bg-background">
10       <div className="container flex h-16 items-center justify-between px-4">
11         <Link href="/" className="text-2xl font-bold text-primary">
12           MORENT
13         </Link>
14
15         { /* Search */ }
16
17         <div className="hidden md:block relative">
18           <Search className="absolute left-3 top-1/2 h-8 w-4 -translate-y-1/2 text-muted-foreground" />
19           <Input
20             type="search"
21             placeholder="Search something here"
22             className="w-[460px] pl-9 pr-4"
23           />
24         </div>
25         <div className="flex items-center gap-2">
26           <Button variant="ghost" size="icon">
27             <Heart className="h-5 w-5" />
28           </Button>
29           <Button variant="ghost" size="icon">
30             <Bell className="h-5 w-5" />
31           </Button>
32           <Button variant="ghost" size="icon">
33             <Settings className="h-5 w-5" />
34           </Button>
35           <Button variant="ghost" size="icon" className="rounded-full">
36             <Image
37               src="/profil.png?height=2000&width=2000"
38               alt="Sports car"
39               width={2000}
40             />

```

## Product Tags

**Audi A6**

Hybrid



This is a Best In World Wind Rent By Very Cheap Prices.

recommended

**\$120.00/day**  
\$180.00

Rent Now

**Porsche 911**

Gasoline



This is a Best In World Wind Rent By Very Cheap Prices.

recommended

**\$200.00/day**  
\$250.00

Rent Now

**Chevrolet Camaro**

Gasoline



This is a Best In World Wind Rent By Very Cheap Prices.

recommended

**\$110.00/day**  
\$150.00

Rent Now

**Nissan Altima**

Hybrid



This is a Best In World Wind Rent By Very Cheap Prices.

recommended

**\$90.00/day**  
\$150.00

Rent Now

# Product Tags Code

```

src > app > display > @ car.tsx > @ CarDisplay > @ cars.map() callback
118 const CarDisplay: React.FC = () => {
119   {cars.map((car) => {
120     </div>
121   </div>
122   <div className="flex items-center gap-2 text-muted-foreground">
123     <Users className="h-4 w-4" />
124     {car.seatingCapacity}
125   </div>
126   </div>
127   {/* Description */}
128   {car.description && <p className="mt-2 text-sm text-muted-foreground line-clamp-2">{car.description}</p>}
129   {/* Tags */}
130   {car.tags && car.tags.length > 0 && (
131     <div className="mt-2.5 flex flex-wrap gap-1">
132       {car.tags.map((tag, index) => {
133         <span
134           key={index}
135           className="inline-flex items-center rounded-full bg-primary/10 px-2 py-0.5 text-xs text-primary"
136         >
137           {tag}
138         </span>
139       )}
140     </div>
141   )}
142   {/* Price Section */}
143   <div className="flex items-center justify-between">
144     <div>
145       <p className="text-lg font-bold mt-7">
146         ${car.pricePerDay}
147       </p>
148       <p className="text-sm font-normal text-muted-foreground">/day</p>
149     </div>
150     <div>
151       <p className="text-sm text-muted-foreground line-through">${car.originalPrice}</p>
152     </div>
153   </div>
154   <button
155     onClick={() => router.push(`/car-detail?id=${car._id}`)} // Corrected navigation
156     className="bg-blue-500 text-white px-4 py-2 rounded-md hover:bg-blue-600"
157   >
158   </button>
159 }

```

# Category

MORENT

Search something here

Pick - Up

Select location

Select date

Select time

Drop - Off

Select location

Select date

Select time


TYPE

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

CAPACITY

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

Koenigsegg Sport



90L Manual 2


High-performance sports car with cutting-edge technology.

Luxury High Performance

\$99.00/day

Rent Now

Nissan GT-R Sport



90L Auto 4


Iconic Japanese sports car known for its performance and handling.

Fast Iconic

\$80.00/day

Rent Now

Rolls-Royce Phantom Sedan



100L Auto 5

Ultimate luxury sedan with unparalleled comfort and prestige.

Luxury Comfort

\$96.00/day

Rent Now

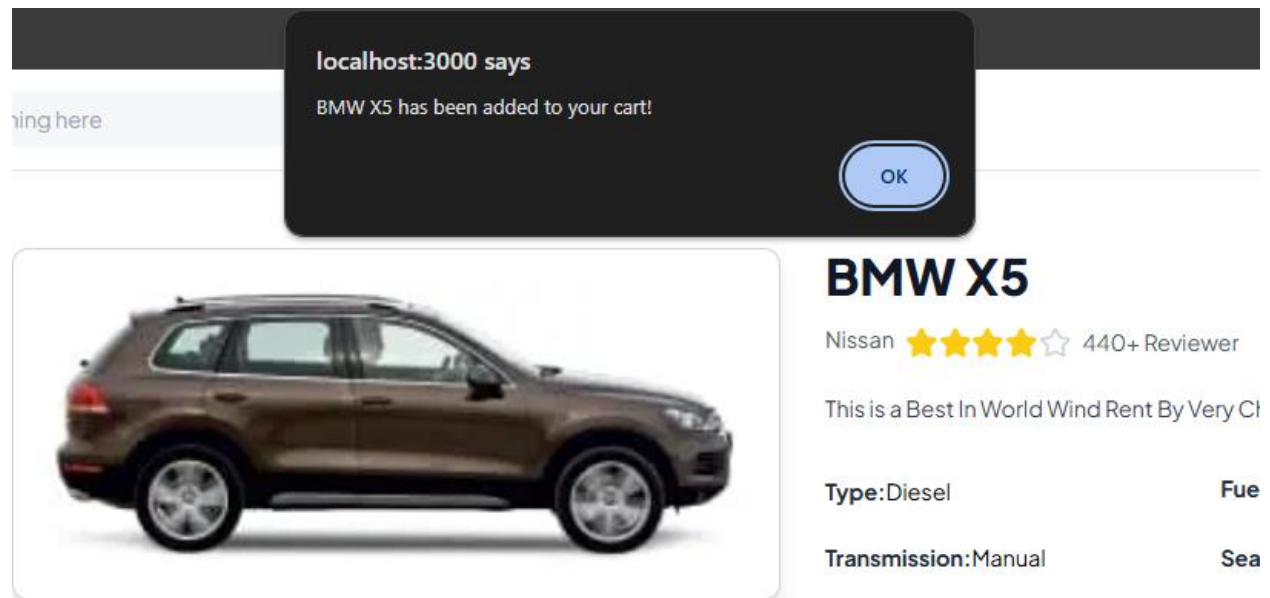
## Category Code

```

PROJECT-4  src > app > category > components > page.tsx > ...
  151   const cars = [
  152     {
  153       liked: true,
  154       slug: "koenigsegg",
  155     },
  156     // Add more cars here ...
  157   ];
  158
  159   const Category = () => {
  160     return (
  161       <div className="min-h-screen bg-morent-background">
  162         <Header />
  163         <main className="container py-8 px-4 md:px-8">
  164           <div className="flex flex-col md:flex-row gap-4 mb-8">
  165             <LocationPicker />
  166           </div>
  167           <div className="flex flex-col lg:flex-row gap-8">
  168             <Sidebar />
  169             <div className="flex-1">
  170               <div className="grid grid-cols-1 sm:grid-cols-2 lg:grid-cols-3 gap-6">
  171                 {cars.map((car, index) => (
  172                   <CarCard key={index} car={car} />
  173                 ))}
  174               </div>
  175               <div>
  176                 <CarDisplay />
  177                 <div className="flex justify-center mt-8">
  178                   <button className="bg-morent-blue text-white px-6 py-3 rounded-lg hover:bg-blue-600 transition-colors">
  179                     Show more cars
  180                   </button>
  181                 </div>
  182             </div>
  183           </div>
  184         </main>
  185       </div>
  186     );
  187   };
  188
  189   export default Category;

```

# Alert Notification



## Alert Notification Code

```

552
553   const [car, setCar] = useState<Car | null>(null);
554   const [loading, setLoading] = useState(true);
555   const [cart, setCart] = useState<Car[]>([]); // Cart state to store selected cars
556
557   {/* Add Notification */}
558
559   const addToCart = (car: Car) => {
560     setCart((prevCart) => [...prevCart, car]); // Add selected car to cart
561     alert(`${car.name} has been added to your cart!`); // Optional: show an alert to confirm
562   };
563

```

# Add To Cart

**CAPACITY**

☐ 2 Person (10)


☐ 4 Person (14)

☐ 6 Person (12)

☐ 8 or More (16)




**PRICE**

\$0 Max. \$100.00



Transmission: Manual

Seating Capacity: 7 seats

**\$150.00**/day

~~\$200.00~~

Add to Cart

**Your Cart**

BMW X5

+ - Remove

## Add To Cart Code

```

EXPLORER
PROJECT-4
  .next
  node_modules
  public
  scripts
  src
    app
      car-detail
      components
        page.tsx
        cart
        page.tsx
      category\components
        car.tsx
        CarCard.tsx
        footer.tsx
        Header.tsx
        LocationPicker.tsx
        page.tsx
        Sidebar.tsx
    display
    fonts
    homepage
    studio
  faviconico
  globals.css
  layout.tsx
  OUTLINE
  TIMELINE

page.tsx
src > app > cart > page.tsx > Page
1 // page.tsx
2 "use client";
3
4 import React, { useState } from "react";
5
6 export default function Page() {
7   const [showPopup, setShowPopup] = useState(false);
8   const [orders, setOrders] = useState<number>(0);
9   const [quantity, setQuantity] = useState(1);
10
11   const handleBookNow = () => {
12     setShowPopup(true);
13   };
14
15   const handleIncrease = () => setQuantity(quantity + 1);
16   const handleDecrease = () => quantity > 1 && setQuantity(quantity - 1);
17   const handleRemove = () => setQuantity(0);
18   const handleProcessed = () => {
19     alert("Your order successful confirm");
20     setShowPopup(false);
21     setOrders(orders + quantity);
22     setQuantity(1);
23   };
24
25   return (
26     <div className="p-4">
27       <button
28         onClick={handleBookNow}
29         className="px-4 py-2 bg-blue-500 text-white rounded"
30       >
31         Book Now
32       </button>
33     </div>
34   );
35 }

```

## Product Like

Sanity Car

[View All](#)



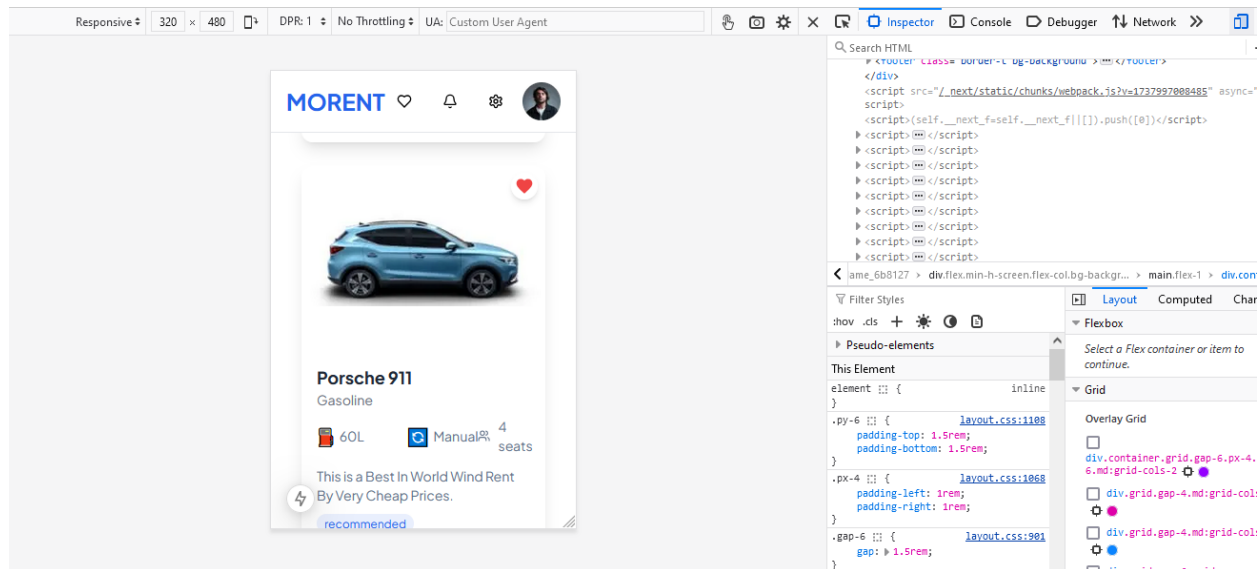
## Product Like Code

```

/* Product Like */
<div className="absolute top-2 right-2 bg-white p-1 rounded-full shadow-md cursor-pointer">
  <svg
    xmlns="http://www.w3.org/2000/svg"
    className="h-5 w-5 text-red-500"
    fill="currentColor"
    viewBox="0 0 24 24">
    <path d="M12 21.35l-1.45-1.32C5.4 15.36 2 12.28 2 8.5 2 5.42 4.42 3 7.5 3c1.74 0 3.41.81 4.5 2.09C13.09 3.81 14.76 3 16.5 3 19.58 3
    </path>
  </svg>
</div>
</div>

```

## Website Responsive



## Website Responsive code

```

/* Responsive Code */

<div className="flex-1">
  <div className="grid grid-cols-1 sm:grid-cols-2 lg:grid-cols-3 gap-6">
    {cars.map((car, index) => (
      <CarCard key={index} car={car} />
    ))}
  </div>
  <CarDisplay />
  <div className="flex justify-center mt-8">
    <button className="bg-morent-blue text-white px-6 py-3 rounded-lg hover:bg-blue-600 transition-colors">
      Show more cars
    </button>
  </div>

```