

Day 4 - Dynamic Frontend Components - [BUILDING DYNAMIC FRONTEND COMPONENTS]

Summary

Functional Deliverables

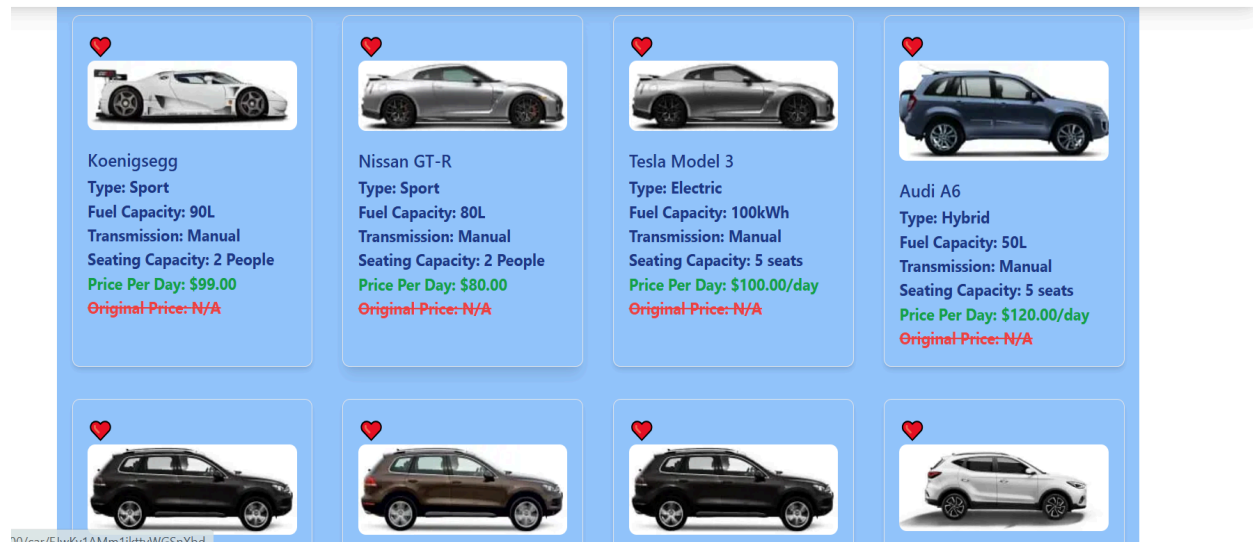
- **Product Listing Page:** Displays dynamic data from API.
- **Product Detail Pages:** Accurate routing and data rendering.
- **Filters, Search, and Pagination:** Fully functional.
- **Additional Features:** Related products and user profile components.

Code Deliverables

- **Key Components:** ProductCard, ProductList, SearchBar.
- **API Integration & Routing:** Fetching and displaying dynamic data.
- **Example Code Snippets:** Essential code for key component

Category Component:

The "Rent a Car" category offers a wide variety of vehicles for those in need of temporary transportation. Whether you're planning a road trip, attending an event, or simply need a car for daily use, this category provides flexible rental options. From compact cars for city commuting to luxury vehicles for a special occasion, there's something to suit every need and budget. Many rental services also offer additional features like GPS, child seats, and insurance packages to ensure a smooth and secure driving experience. Rent a car today for convenience, comfort, and freedom on the road!

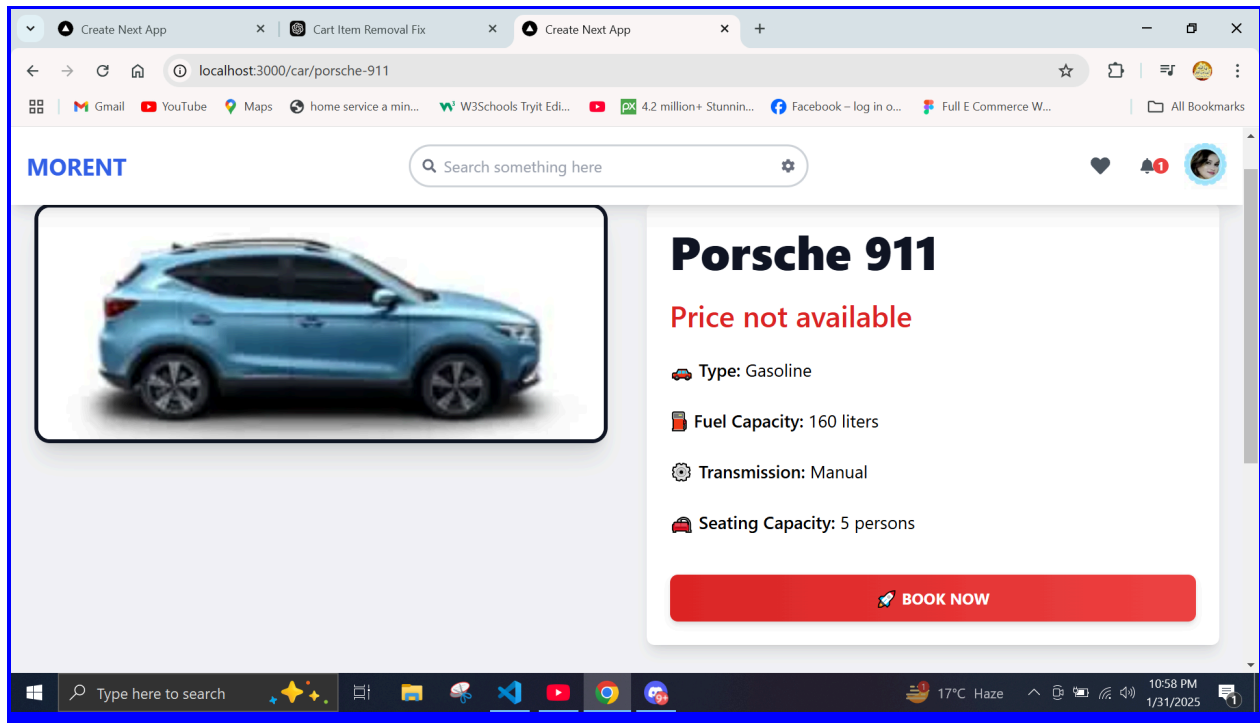


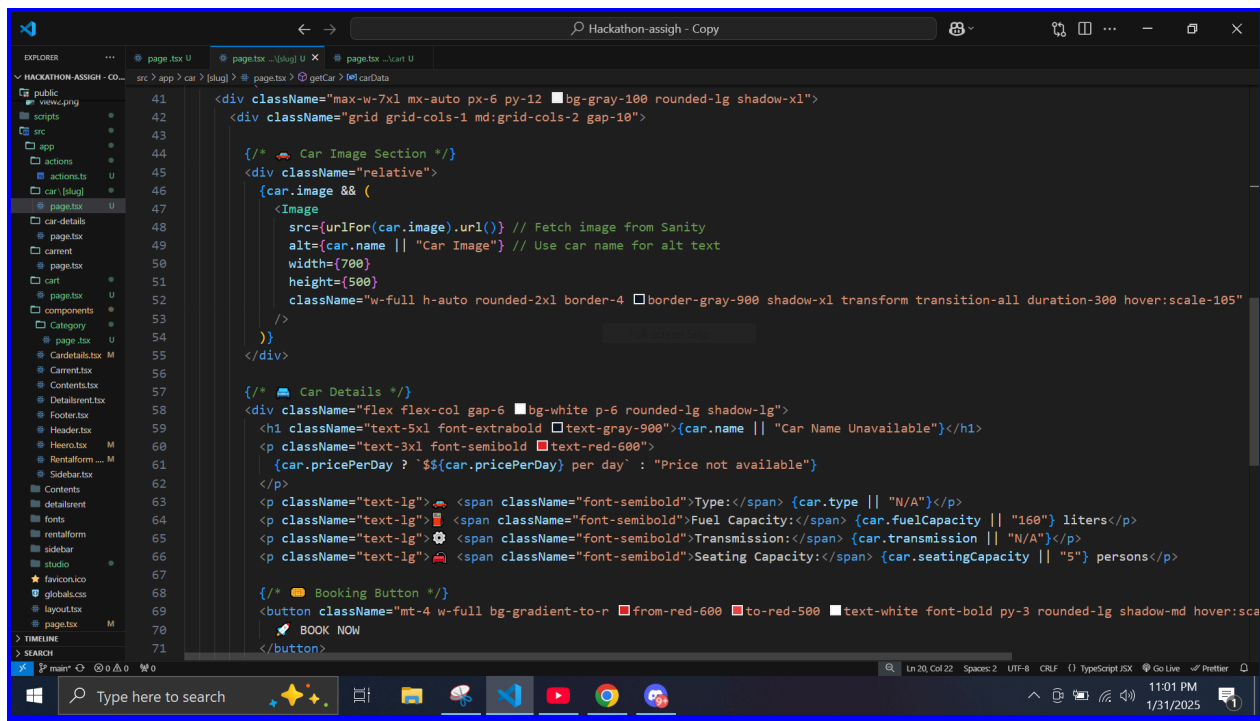
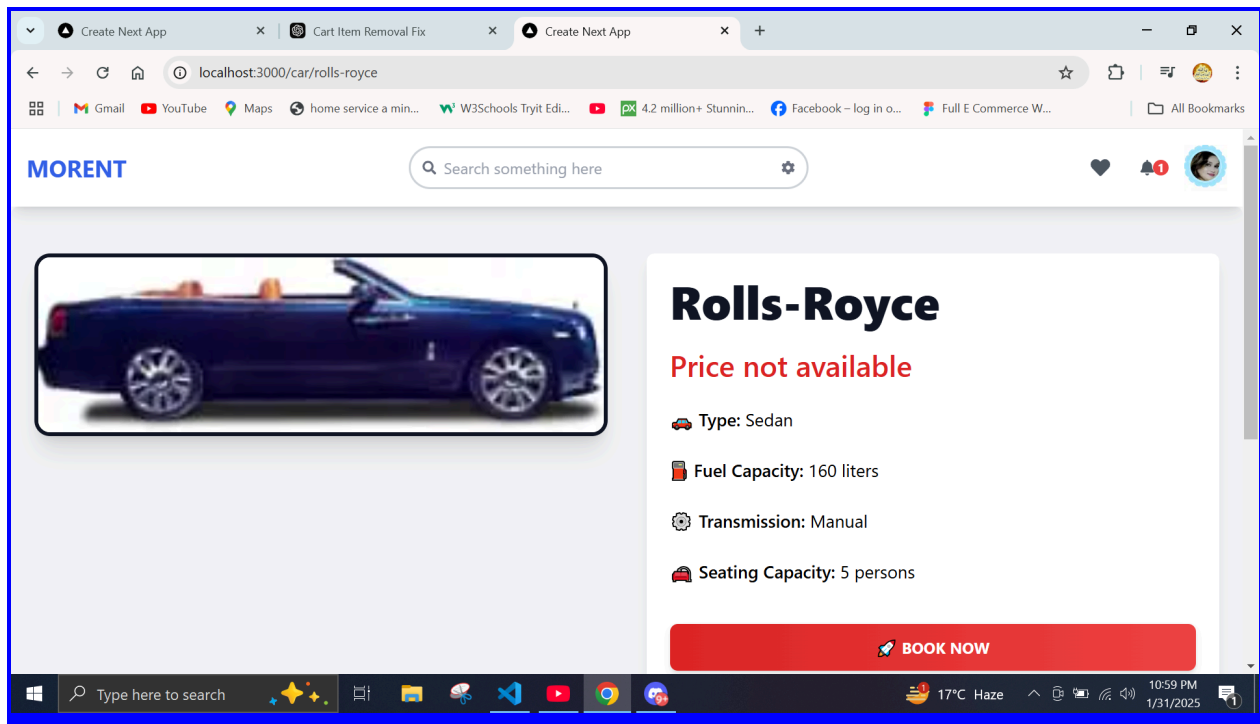
```

src > app > components > Category > @ page.tsx > @ Category > @ cars.map() callback
58     key={car._id}
59     className="relative border rounded-lg shadow-md bg-blue-400 p-5 transition transform h
60   >
61     { /* Wishlist Heart Icon */ }
62     <span className="absolute top-3 right-3 text-red-500 text-2xl cursor-pointer hover:sc
63   </span>
64     { /* Car Image */ }
65     <Link href={` /car/${car.slug?.current}`} className="block">
66       {car.image ? (
67         <Image
68           src={urlFor(car.image).url()}
69           alt={car.name || "Car Image"}
70           width={300}
71           height={200}
72           className="rounded-lg w-full h-50 object-cover"
73         />
74       ) : (
75         <div className="bg-gray-300 w-full h-48 flex items-center justify-center text-gray
76           No Image Available
77         </div>
78       )}
79     </Link>
80
81     { /* Car Details */ }
82     <h2 className="text-xl font-semibold mt-4 text-gray-800">{car.name}</h2>
83     <p className="text-gray-600">Type: {car.type}</p>
84     <p className="text-gray-600">Fuel: {car.fuelCapacity}L</p>
85     <p className="text-gray-600">Transmission: {car.transmission}</p>
86     <p className="text-gray-600">Seats: {car.seatingCapacity}</p>
87     <p className="text-green-600 font-bold text-lg">💰 ${car.pricePerDay} / day</p>

```

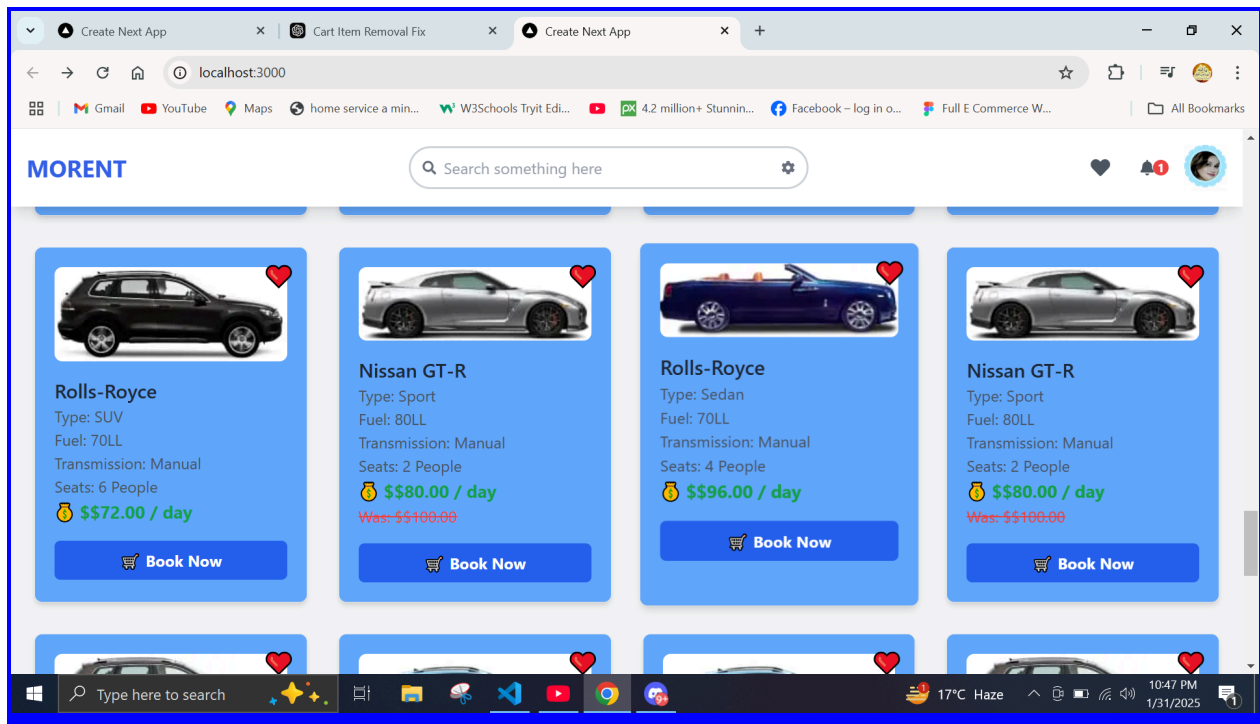
- Building Dynamic Frontend Components





Book Now / like AddToCart Functionality

```
src > app > components > Category > page.tsx > Category > cars.map() callback
89     {car.originalPrice && (
90       <p className="line-through text-red-500">Was: ${car.originalPrice}</p>
91     )}
92   )}
93
94
95   {/* Add to Cart Button */}
96   <button
97     className="w-full bg-blue-600 text-white font-bold py-2 rounded-md mt-4 hover:bg-blue-700 transition"
98     onClick={(e) => handleAddToCart(e, car)}
99   >
100     🛒 Book Now
101   </button>
102 </div>
103   )}
104 </div>
105 </div>
106 );
107 };
108
109 export default Category;
110
```



Checkout and proceed



Checkout

Billing Details

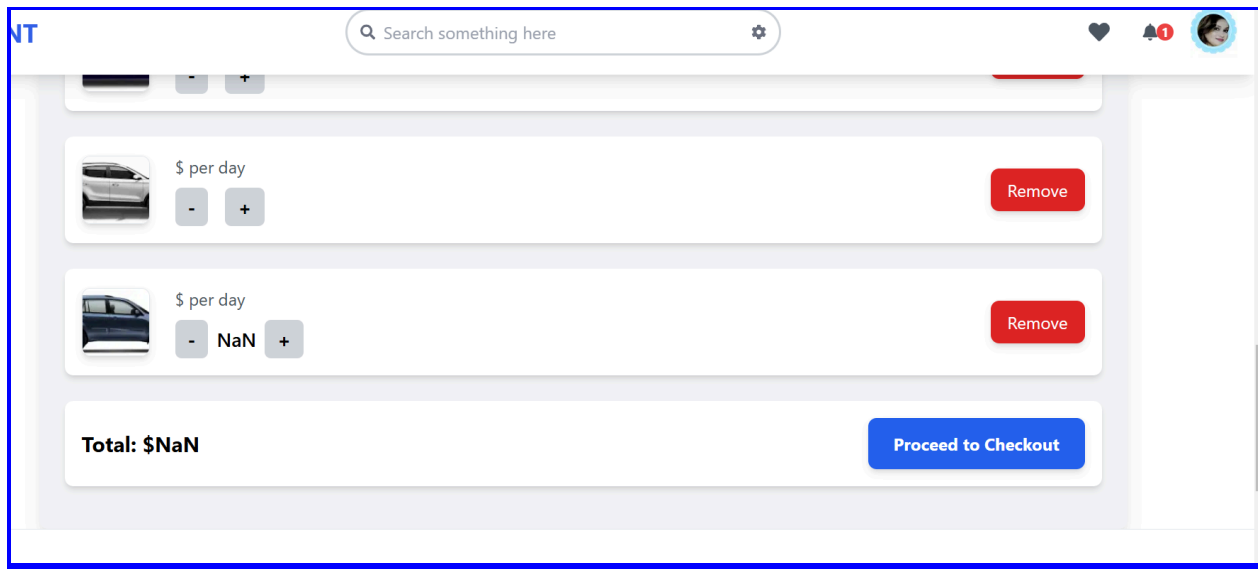
Naghmana

imran2244ansari@gmail.com

Street Address

City

```
72
73 {cartItems.length > 0 ? (
74   <div className="space-y-6">
75     {cartItems.map((item) => (
76       <div key={item._id} className="flex items-center gap-6 bg-white p-4 rounded-lg shadow-m
77         /* 🚗 Car Image */
78         {item.image && (
79           <Image
80             src={urlFor(item.image).url()}
81             alt="image"
82             width={100}
83             height={100}
84             className="w-16 h-16 object-cover rounded-lg border shadow-md"
85           />
86         )}
87
88         /* 📄 Car Details */
89         <div className="flex-1">
90           <h2 className="text-xl font-semibold">{item.CarName}</h2>
91           <p className="text-gray-600">${item.price} per day</p>
92
93           /* 📏 Quantity Selector */
94           <div className="flex items-center gap-2 mt-2">
95             <button
96               className="bg-gray-300 px-3 py-1 rounded-md text-lg font-bold hover:bg-gray-4
97               onClick={() => handleQuantityChange(item._id, Math.max(1, item.inventory - 1))}
98             >
99
```



```
<div className="max-w-4xl mx-auto px-6 py-10 bg-gray-100 rounded-lg shadow-lg">
  <h1 className="text-4xl font-bold text-gray-900 mb-6">🛒 Checkout</h1>

  <form onSubmit={handleCheckout} className="grid grid-cols-1 md:grid-cols-2 gap-6 bg-white p-6 rounded-l
    { /* Billing Details */ }
    <div className="col-span-2">
      <h2 className="text-2xl font-semibold mb-4">Billing Details</h2>
      <input type="text" name="fullName" placeholder="Full Name" required onChange={handleChange} className
      <input type="email" name="email" placeholder="Email Address" required onChange={handleChange} classNa
      <input type="text" name="address" placeholder="Street Address" required onChange={handleChange} class
      <input type="text" name="city" placeholder="City" onChange={handleChange} className="w-full p-3 mb-4
      <input type="text" name="country" placeholder="Country" onChange={handleChange} className="w-full p-3
      <input type="text" name="zipCode" placeholder="Zip Code" onChange={handleChange} className="w-full p-3
    </div>

    { /* Payment Method */ }
    <div className="col-span-2">
      <h2 className="text-2xl font-semibold mb-4">Payment Method</h2>
      <select name="paymentMethod" onChange={handleChange} className="w-full p-3 border rounded-md">
        <option value="credit_card">💳 Credit Card</option>
        <option value="paypal">💰 PayPal</option>
        <option value="bank_transfer">🏦 Bank Transfer</option>
      </select>
    </div>

    { /* Order Summary */ }
    <div className="col-span-2">
      <h2 className="text-2xl font-semibold mb-4">Order Summary</h2>
      <div className="bg-gray-200 p-4 rounded-lg">
        <p className="text-lg font-medium">Total Amount: <span className="font-bold">$299.99</span></p>
      </div>
    </div>
  </form>
</div>
```

Payment method and Orders


```

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      </div>
    </div>
  </form>

```

Zip Code

Payment Method

💳 Credit Card

▼

Order Summary

Total Amount: \$299.99

Confirm Order