

Hackathon Day 4: BUILDING DYNAMIC FRONTEND COMPONENTS FOR YOUR MARKETPLACE

Step 01: Product Listing Component

- Render product data dynamically in a grid layout.

```
1 import { client } from "@sanity/lib/client";
2 import { urlFor } from "@sanity/lib/image";
3 const HomePage = async () => {
4   const cars = await client.fetch('*[_type == "car"]');
5   return (
6     <div className="px-4 sm:px-6 lg:px-8 py-8">
7       <h1 className="text-3xl font-bold text-center mb-8">Our Cars</h1>
8       <div className="grid grid-cols-1 sm:grid-cols-2 md:grid-cols-3 lg:grid-cols-4 gap-6">
9         {cars.map((car: any) => (
10           <div
11             key={car.slug}
12             className=
13               "bg-white shadow-md rounded-lg overflow-hidden hover:shadow-lg transition-shadow duration-300">
14               {car.image && (
15                 <img
16                   src={urlFor(car.image).width(300).url()}
17                   alt={car.name}
18                   className="w-full h-40"/>
19                 )}
20               <div className="p-4">
21                 <h2 className="text-xl font-bold text-gray-800 mb-2">
22                   {car.name}
23                 </h2>
24                 <p className="text-sm text-gray-600">Brand: {car.brand}</p>
25                 <p className="text-sm text-gray-600">Type: {car.type}</p>
26                 <p className="text-sm text-gray-600">Fuel Capacity: {car.fuelCapacity}</p>
27                 <p className="text-sm text-gray-600">Seating Capacity: {car.seatingCapacity}</p>
28                 <p className="text-sm text-gray-600">
29                   Price per Day: <span className="font-bold text-blue-500">${car.pricePerDay}</span>
30                 </p>
31                 <button className="mt-3 px-3 py-2 bg-blue-600 rounded-md text-white hover:bg-blue-500">
32                   Rent Now
33                 </button>
34               </div>
35             </div>
36           ))}
37         </div>
38       </div>
39     );
40   };
41   export default HomePage;
```



Koenigsegg
Type: Sport
Fuel Capacity: 90L
Seating Capacity: 2 People
Price per Day: **\$\$\$99.00**

Rent Now



Nissan GT-R
Type: Sport
Fuel Capacity: 80L
Seating Capacity: 2 People
Price per Day: **\$\$\$80.00**

Rent Now



Rolls-Royce
Type: Sedan
Fuel Capacity: 70L
Seating Capacity: 4 People
Price per Day: **\$\$\$96.00**

Rent Now

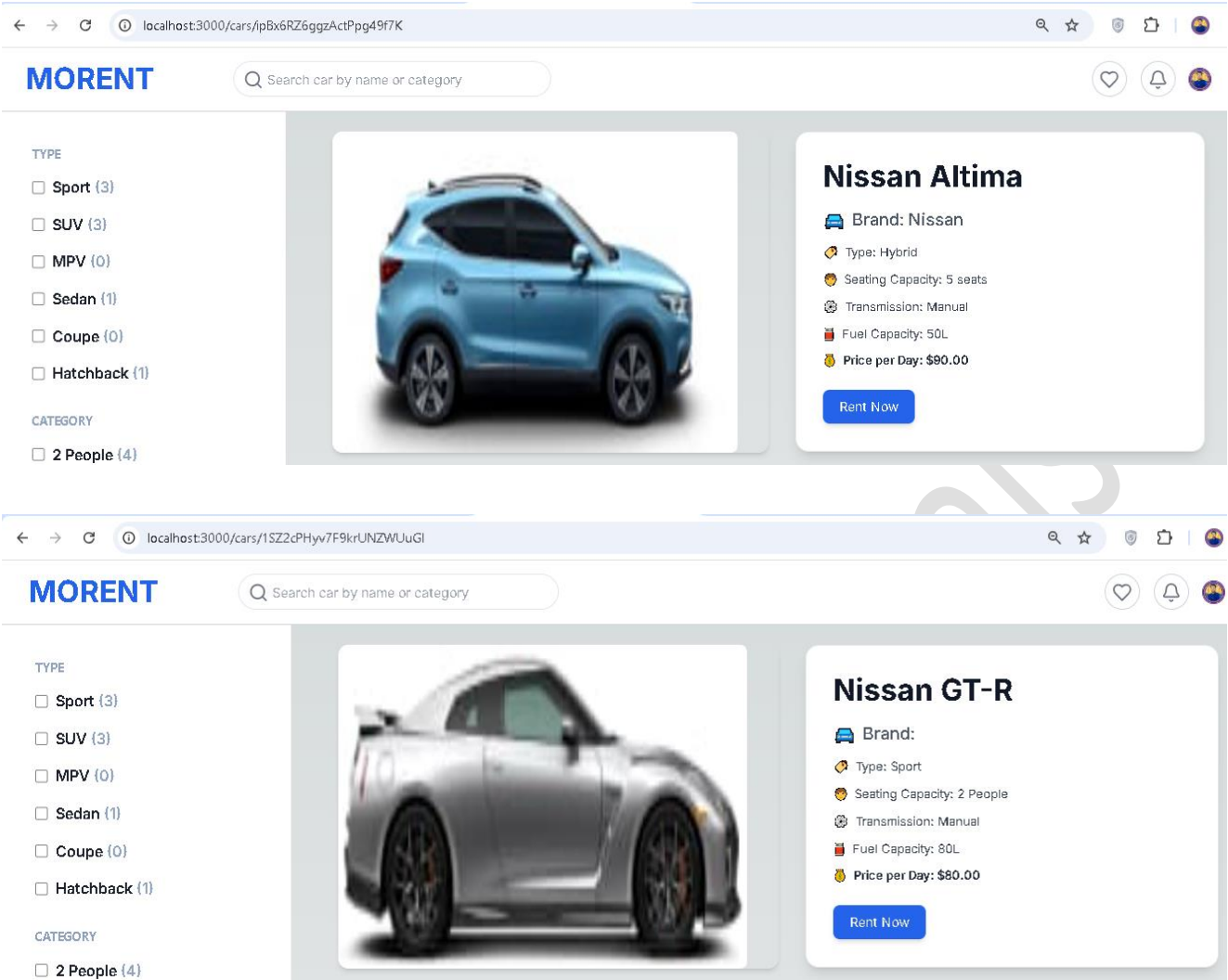


Nissan GT-R
Type: Sport
Fuel Capacity: 80L
Seating Capacity: 2 People
Price per Day: **\$\$\$80.00**

Rent Now

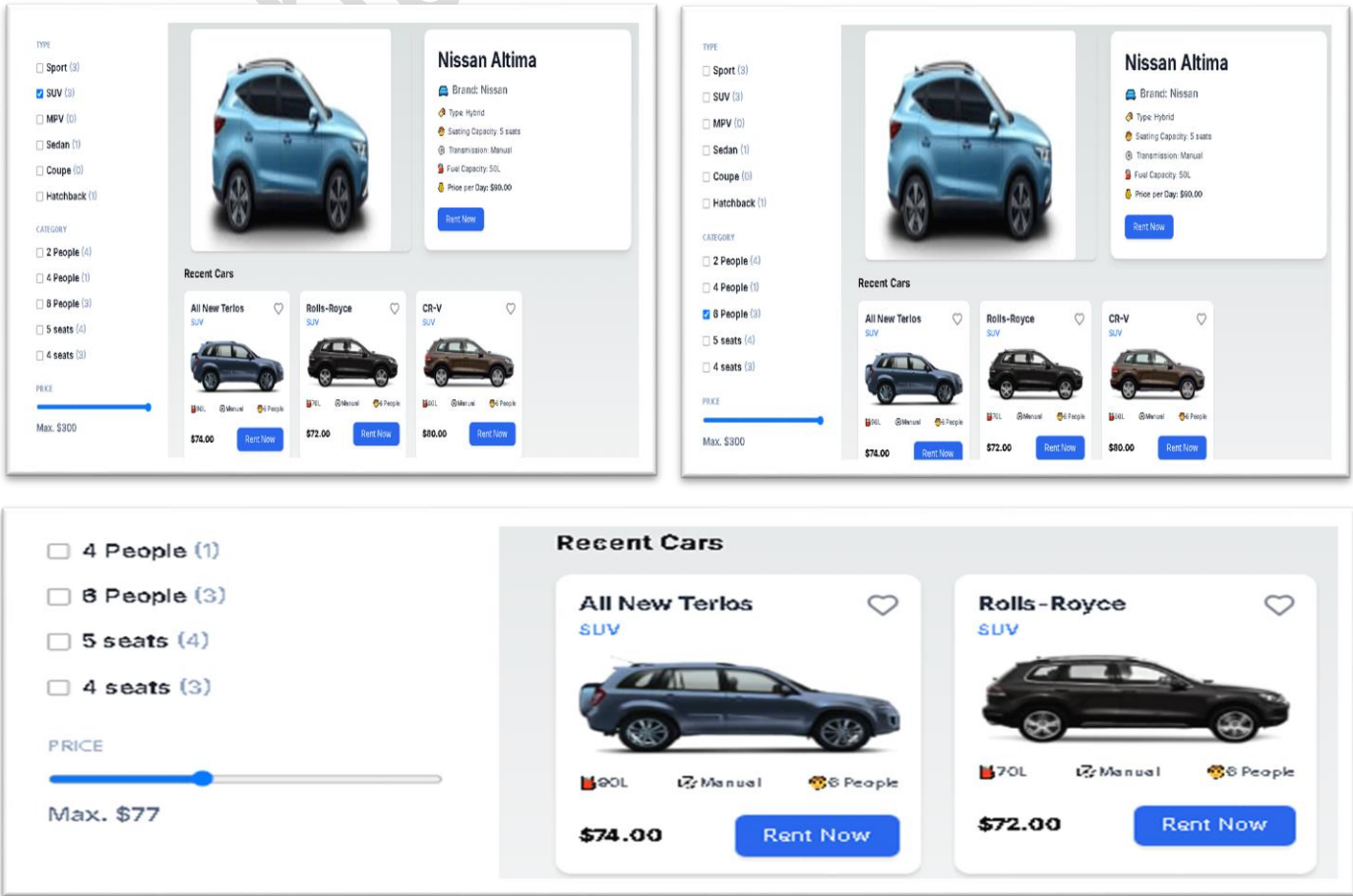
Step 02: Product Detail Component

- Create individual product detail pages using dynamic routing in Next.js.

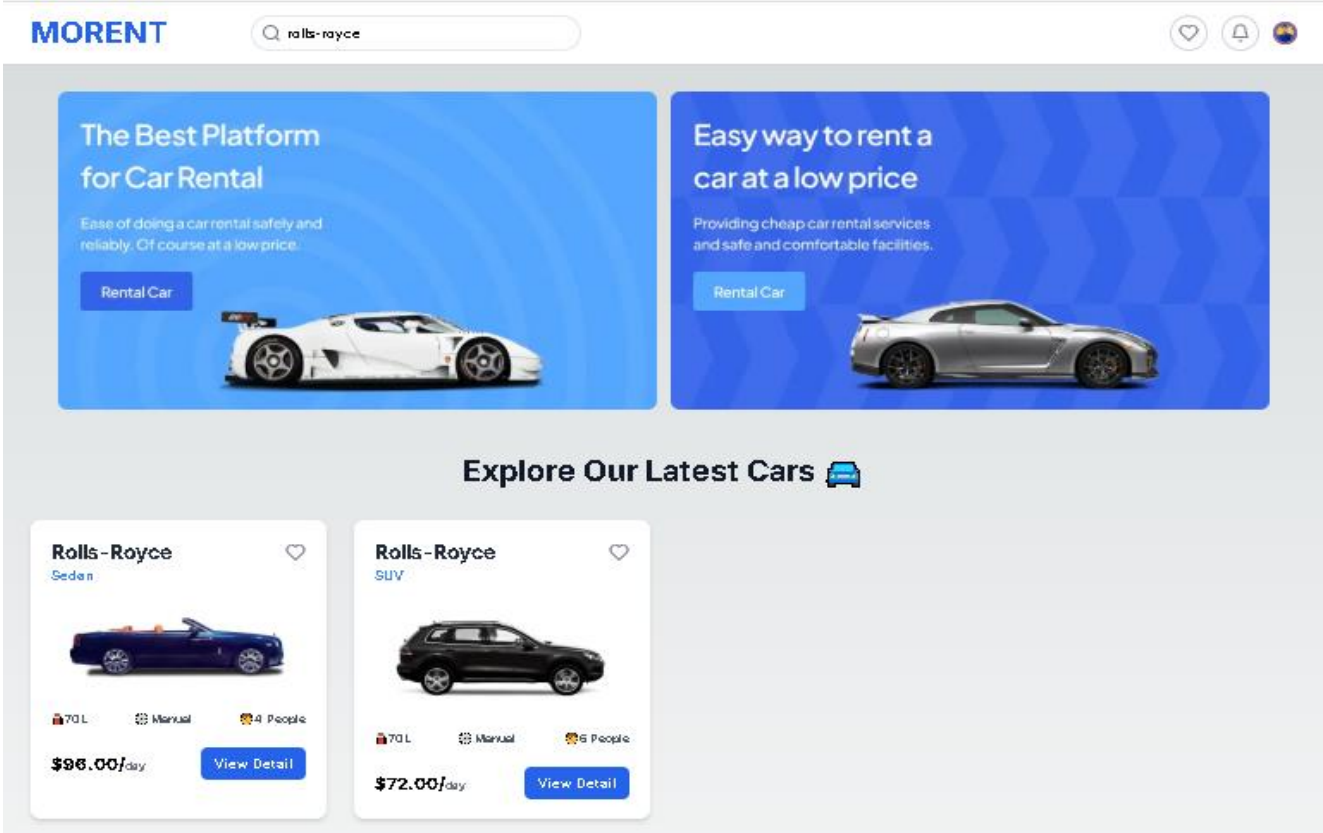


Step 03: Filter-bar Functionality

- Filtering of products by selected categories.



Step 04: Enable Search Bar



Step 05: Track Car and With User Input in Form

- Two responses occur here: Sanity submission and Tracking when the user provides input using the available form and clicks Submit.

Shipping Form

Ship To Address

Name

Zeeshan

Phone

0306-45678

Address Line 1

Shahdadaur Town

Address Line 2

Shahdadaur Town

City/ Locality

Shahdadaur

State/ Province

Punjab

Postal Code

83030

Country Code

Pakistan

Residential Indicator

no

Submit

Rental Summary

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

Nissan GT – R

★★★★☆ 440+ Reviewer

Subtotal

\$80.00

Tax

\$0

Apply promo code

Apply now

Total Rental Price

\$80.00

Overall price and includes rental discount

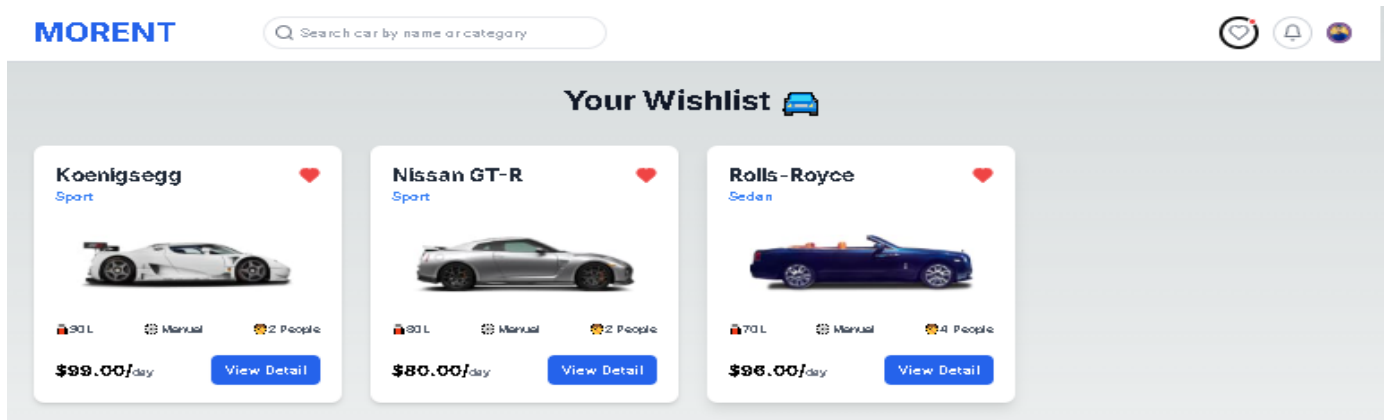
Proceed to Payment

```
Response from Api
{
  "shipmentId": "se-49180861",
  "carrierId": null,
  "serviceCode": null,
  "externalOrderId": null,
  "items": Array(0),
  ...
}

Sanity submission success:
{
  "_createdAt": "2025-02-04T07:33:35Z",
  "_id": "ip8x6RZ6ggzActPpgInDrv",
  "_rev": "ip8x6RZ6ggzActPpgInDpu",
  "_type": "shipment",
  _updatedAt": "2025-02-04T07:33:35Z",
  ...
}
```

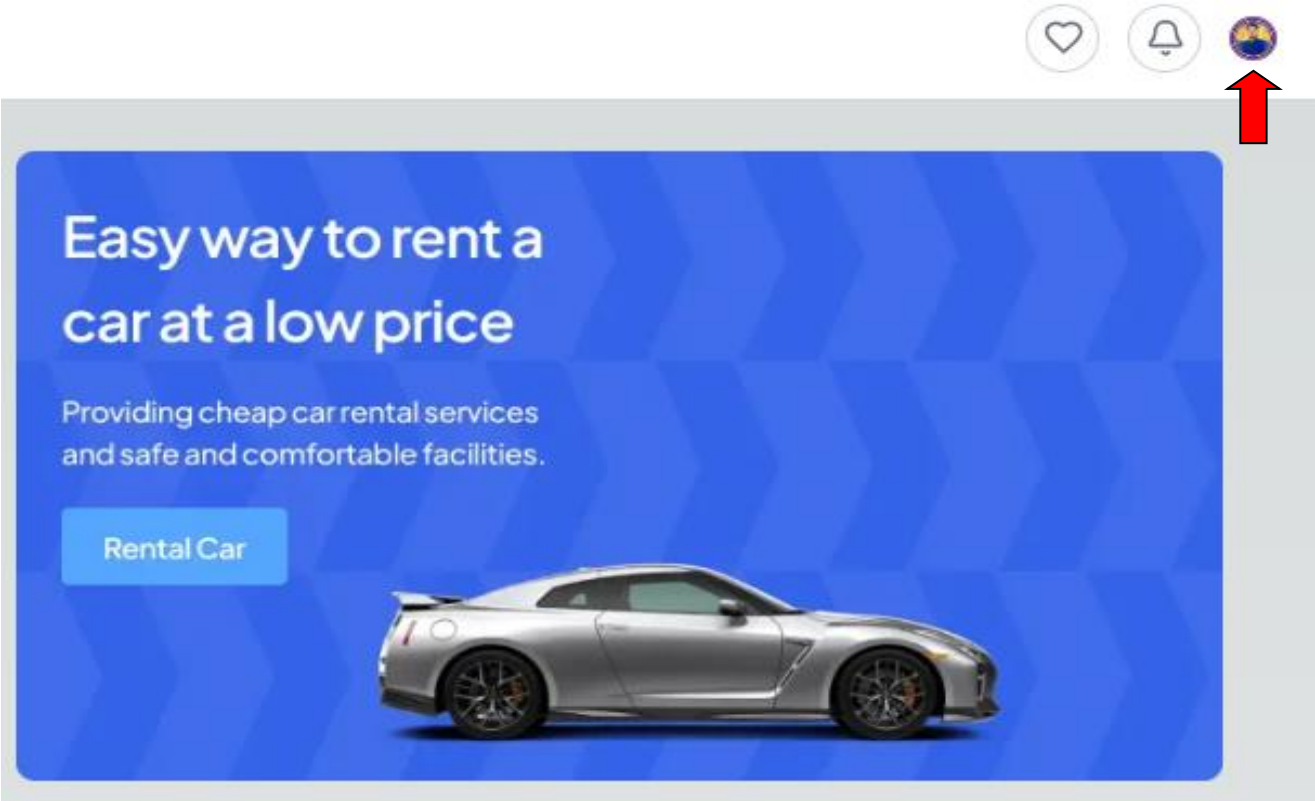
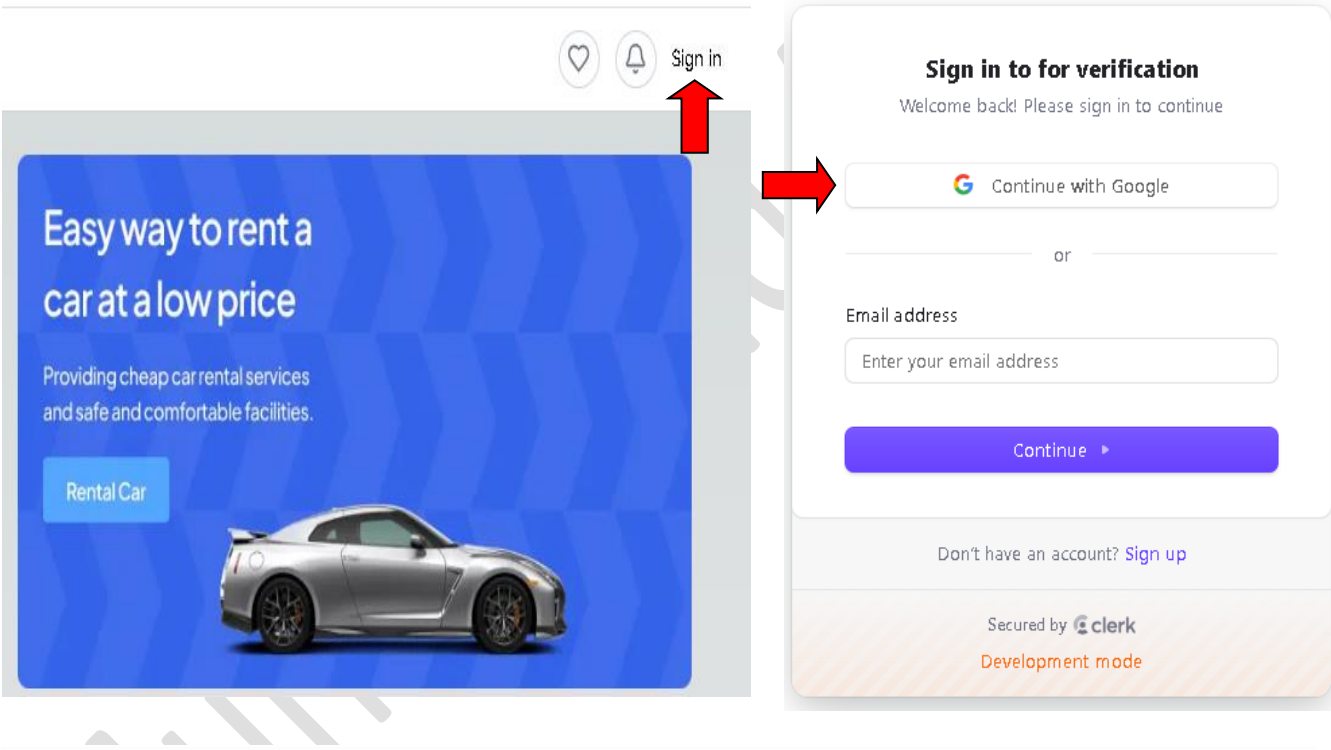
Step 06: Wish-list/Favorite Functionality

- Allow users to save products for future reference.



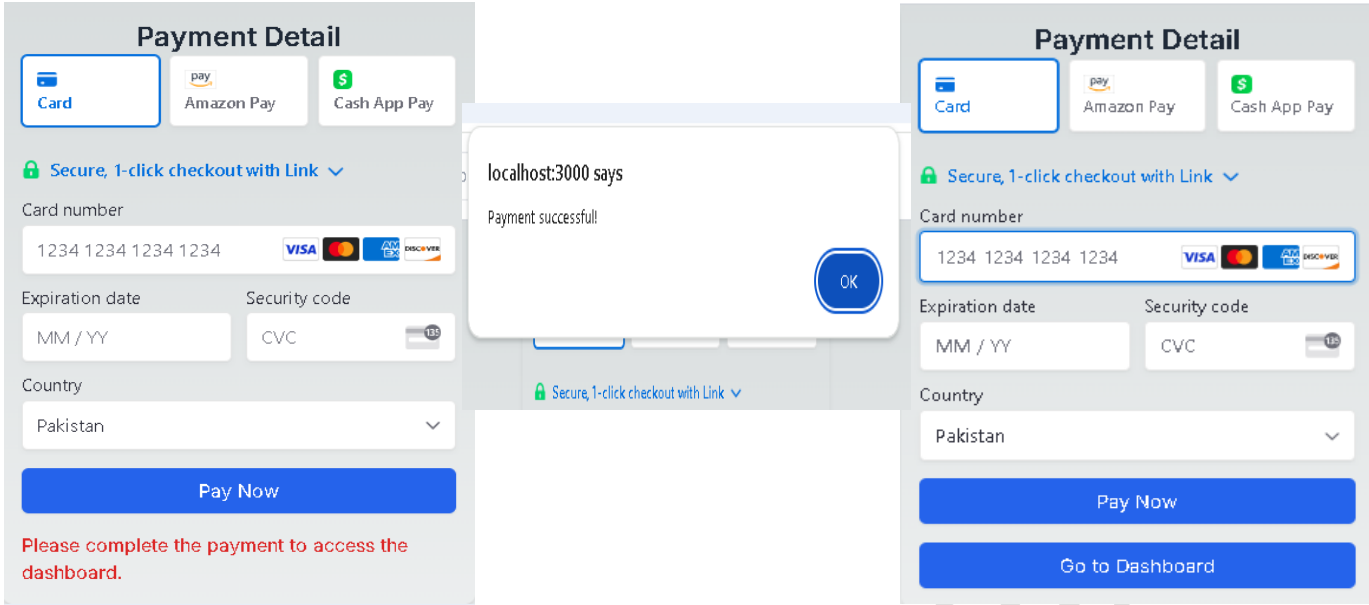
Step 07: User Authentication Functionality

- Secure and seamless user authentication for enhanced access control.

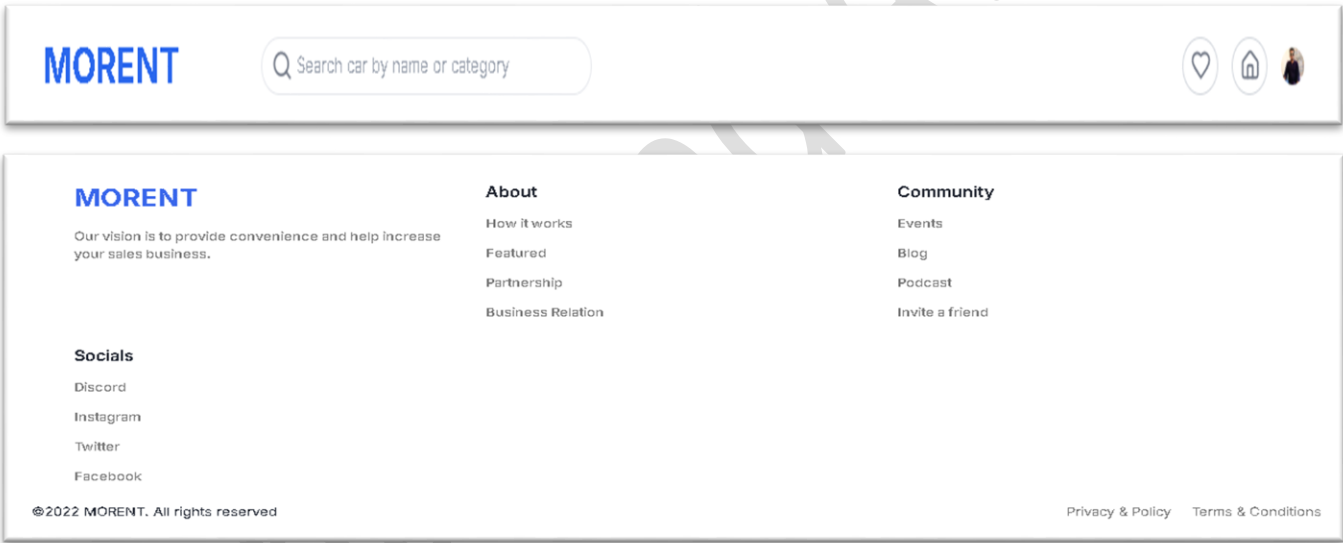


Step 08: Payment Method

- Secure and flexible payment methods for a seamless transaction experience, with access to the dashboard granted only after payment.

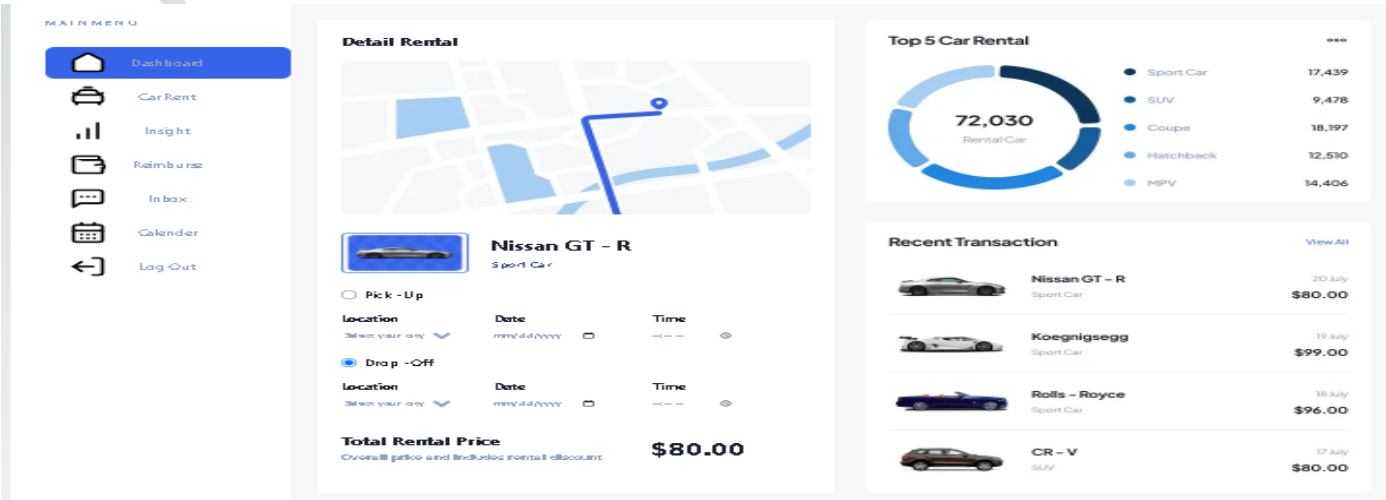


Step 09: Responsive Header / Footer.



Step 10: User Dashboard.

- A personalized user dashboard providing easy access to all your account information, settings, and features.



THANK YOU