

# 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   );
39 };
40 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



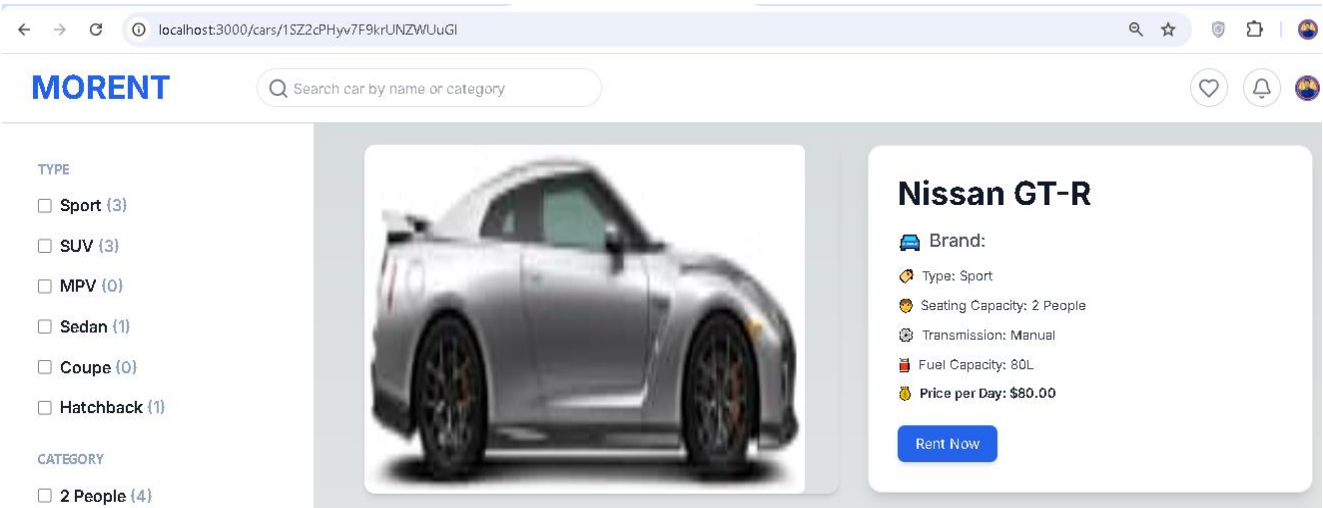
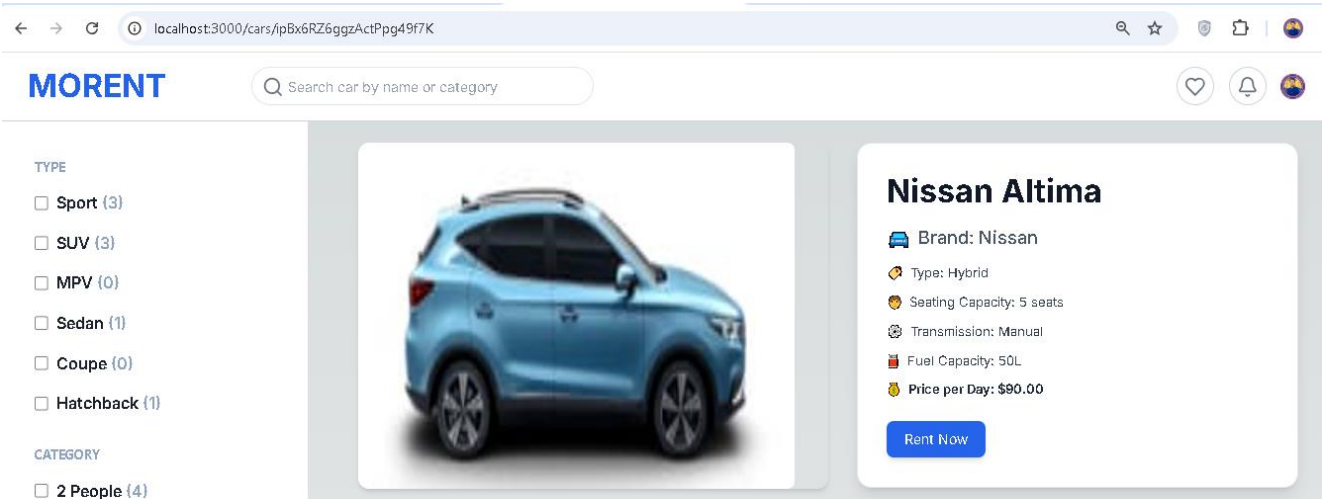
Nissan GT-R

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

Rent Now

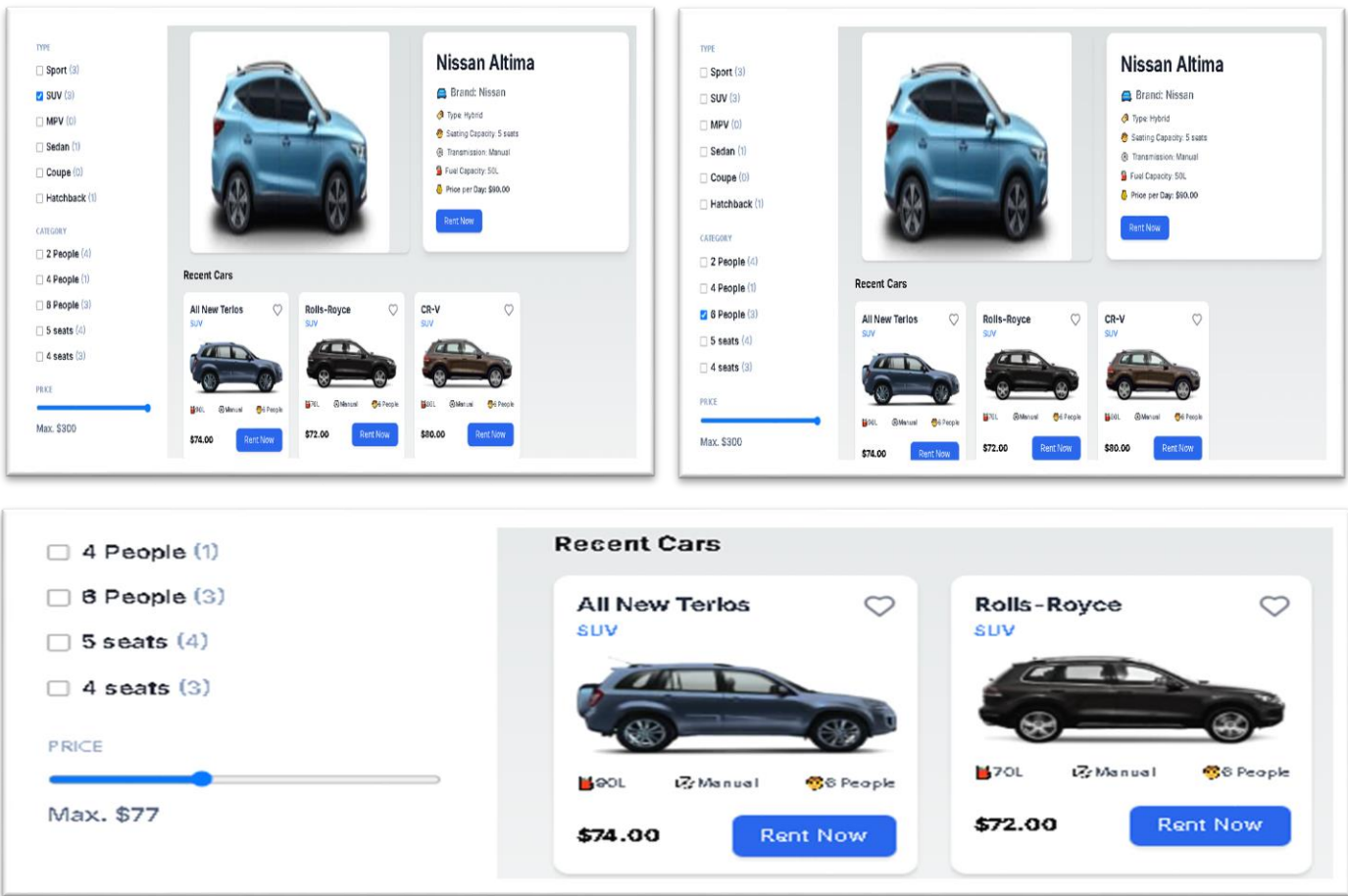
## Step 02: Product Detail Component

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

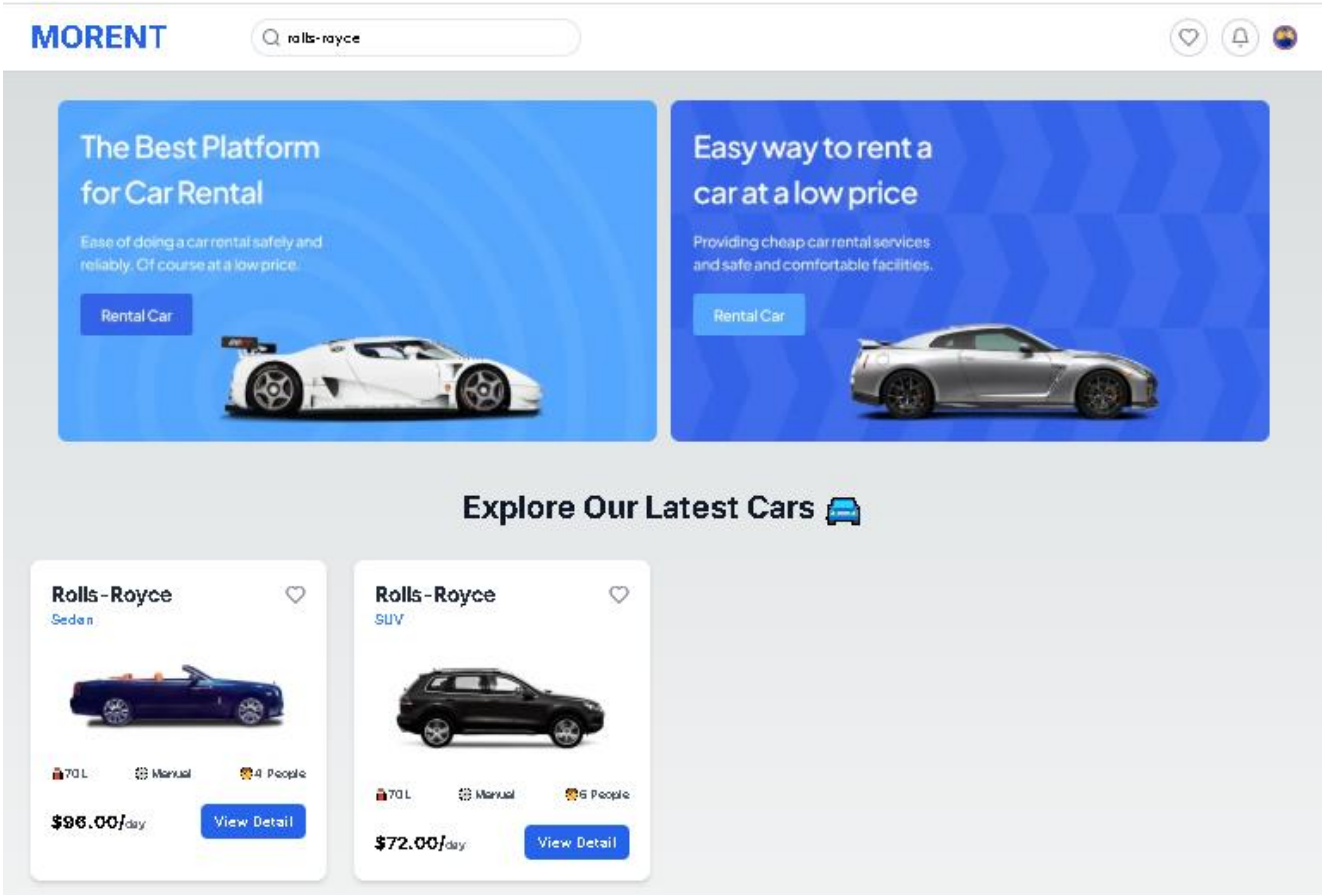


## Step 03: Filter-bar Functionality

- 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

0308-456789

Address Line 1

Shahdaddpur Town

Address Line 2

Shahdaddpur Town

City/ Locality

Shahdaddpur

State/ Province

Punjab

Postal Code

880300

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

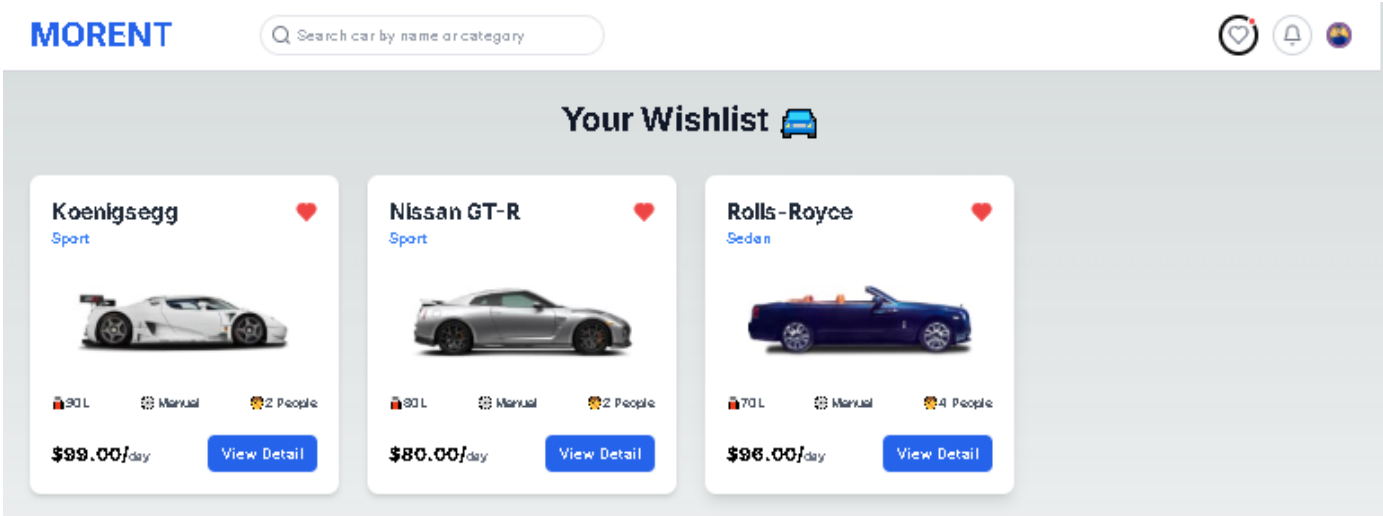
Proceed to Payment

```
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",
  ...
}
```

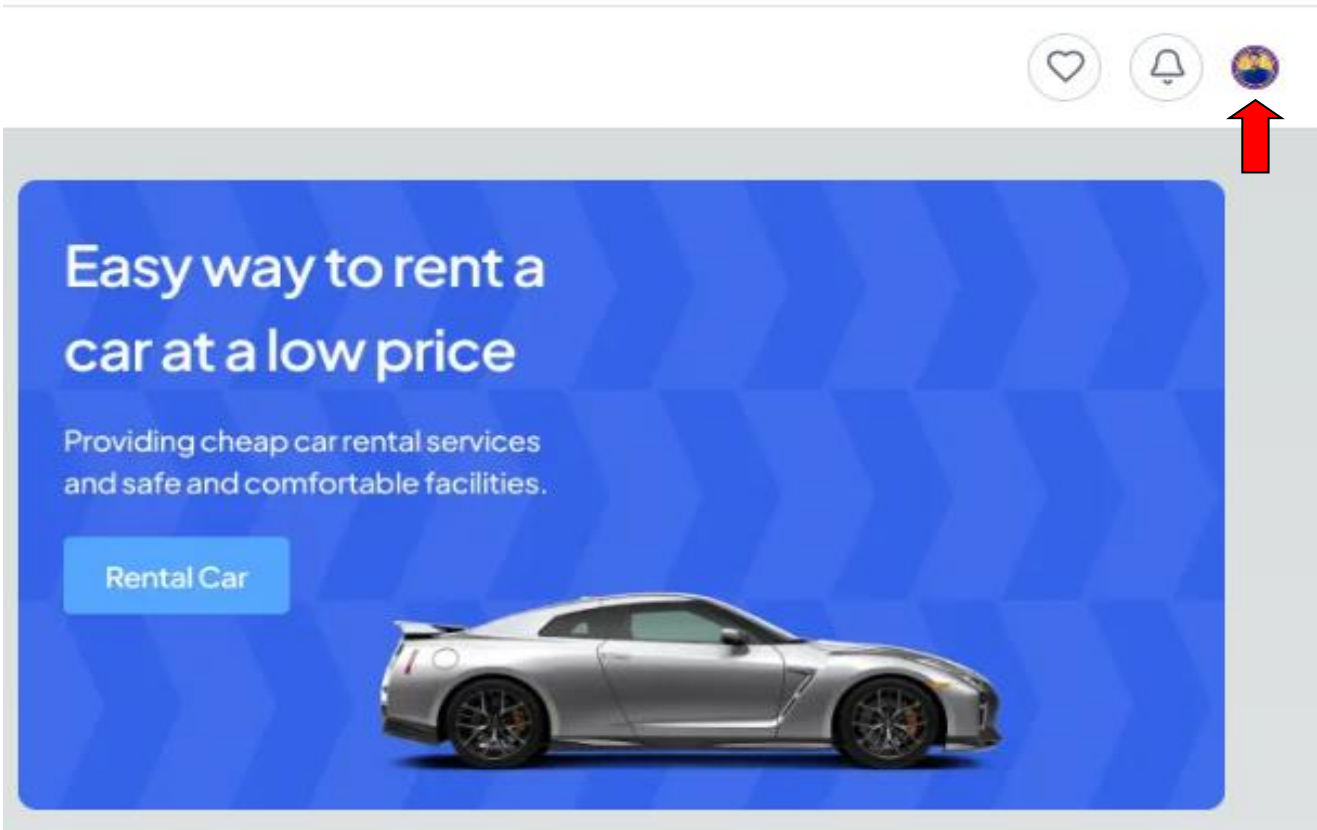
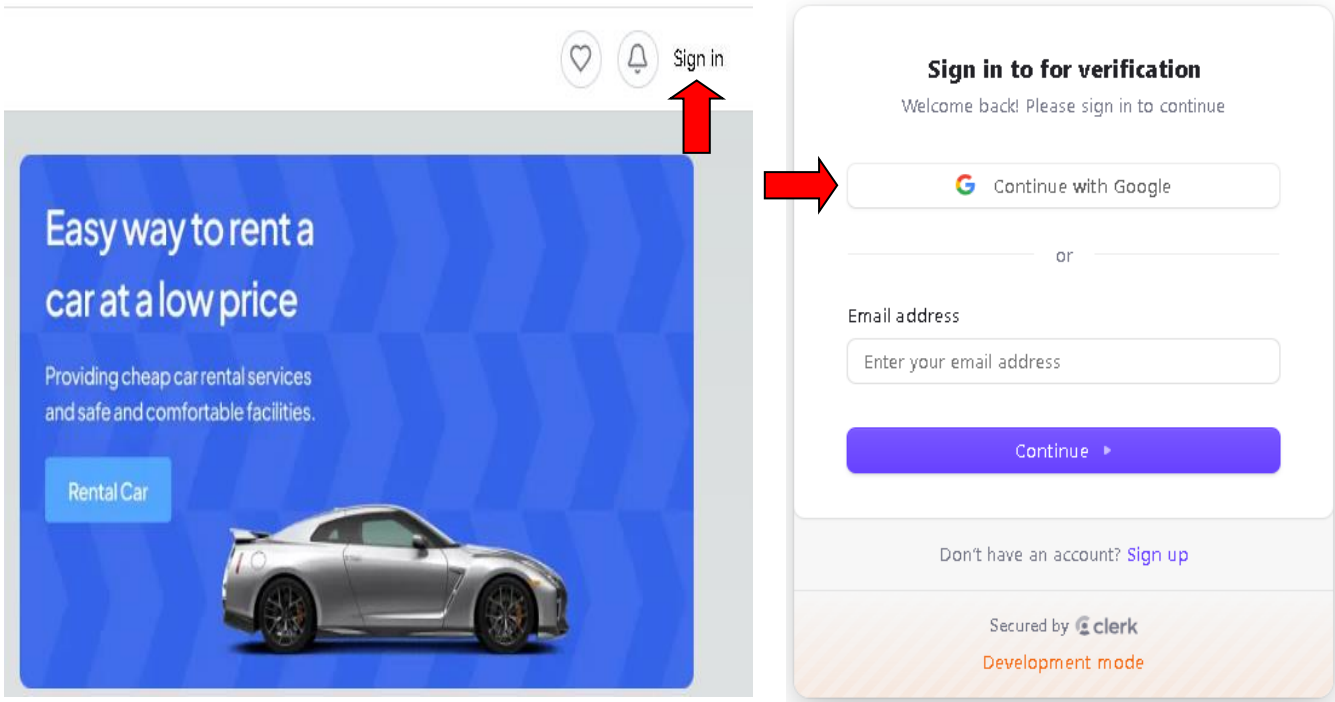
## Step 06: Wish-list/Favorite Functionality

- Allow users to save products for future reference.



## Step 07: User Authentication Functionality

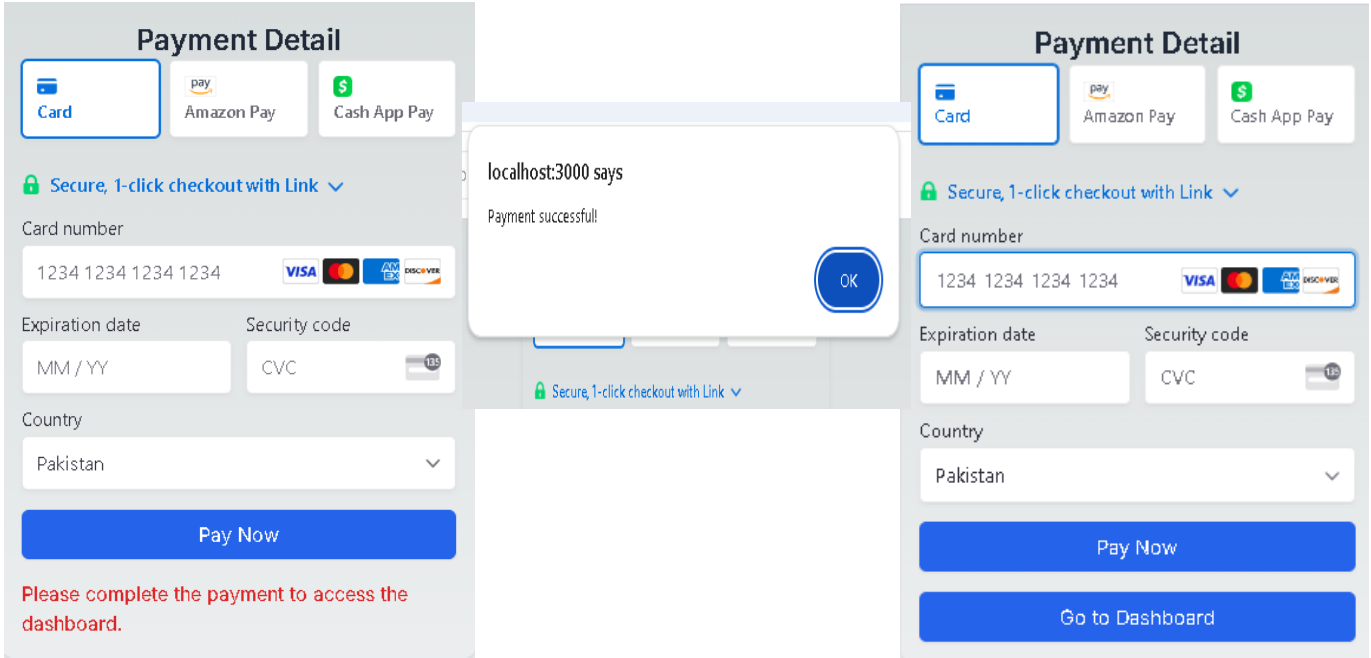
- Secure and seamless user authentication for enhanced access control.



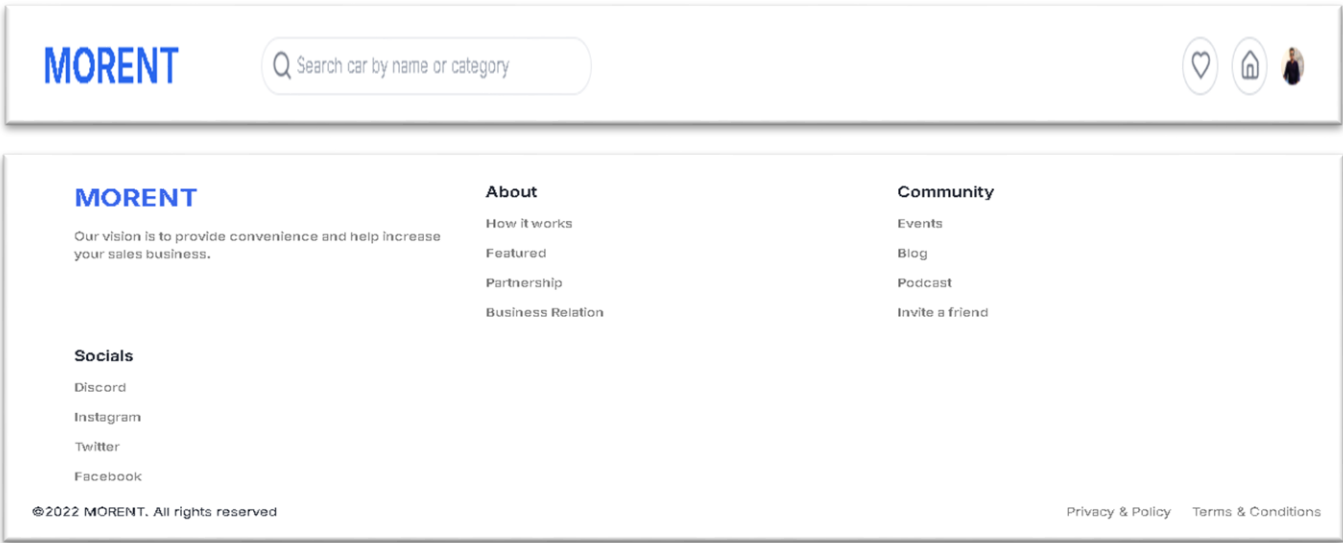


Step 08: Payment Method

- 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.

