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Class: Friday (7pm to 10 pm)

Building Dynamic Frontend Components for our Marketplace

Day 4: Bringing My App to Life

Today's focus is on creating dynamic frontend components to show marketplace data using Sanity CMS or APIs. It's like adding life to my app!

What's the Plan?

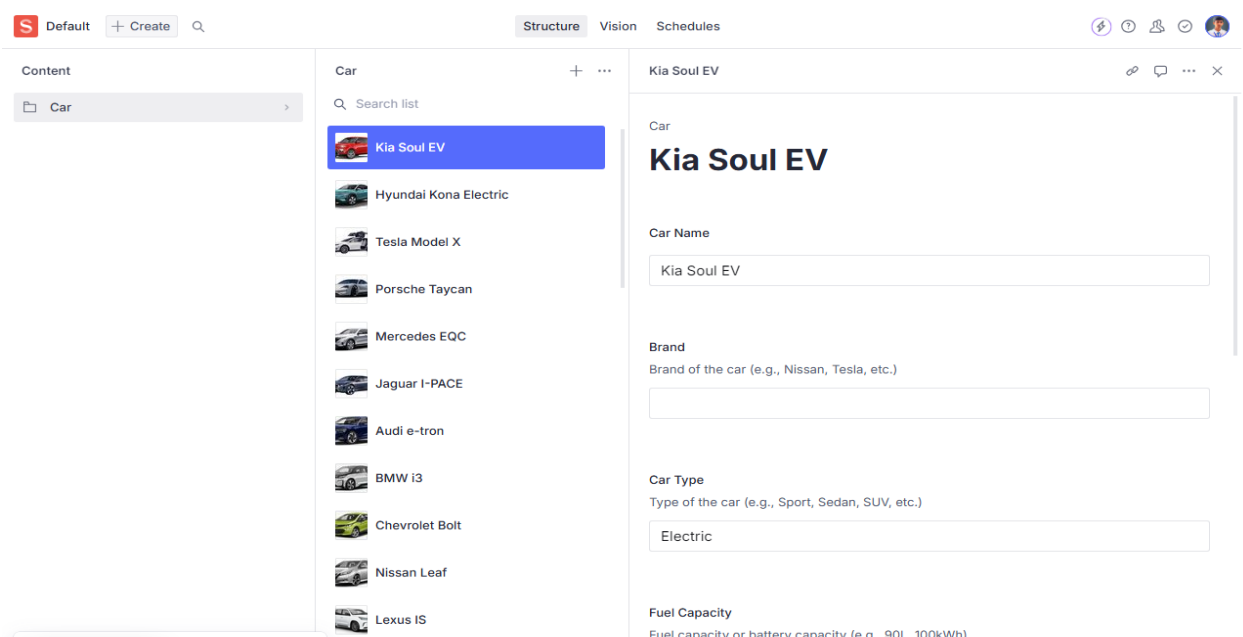
- **Modular Design** – Build reusable components that fit anywhere.
- **Scalability** – Make my app ready to grow.
- **Responsiveness** – Ensure it looks great on every device.

What Did I Build?

A sleek and interactive **Dynamic Marketplace!**

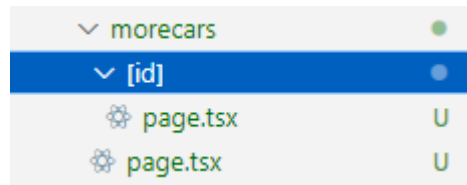
1. Product Showcase:

The aim is to create a visually engaging product grid. Each product prominently displays its **name, price, image, and status**, ensuring users get all key details at a glance. This dynamic showcase leverages a **reusable product component** and fetches real-time data from **Sanity CMS** using efficient **GROQ queries**, making it scalable and efficient.



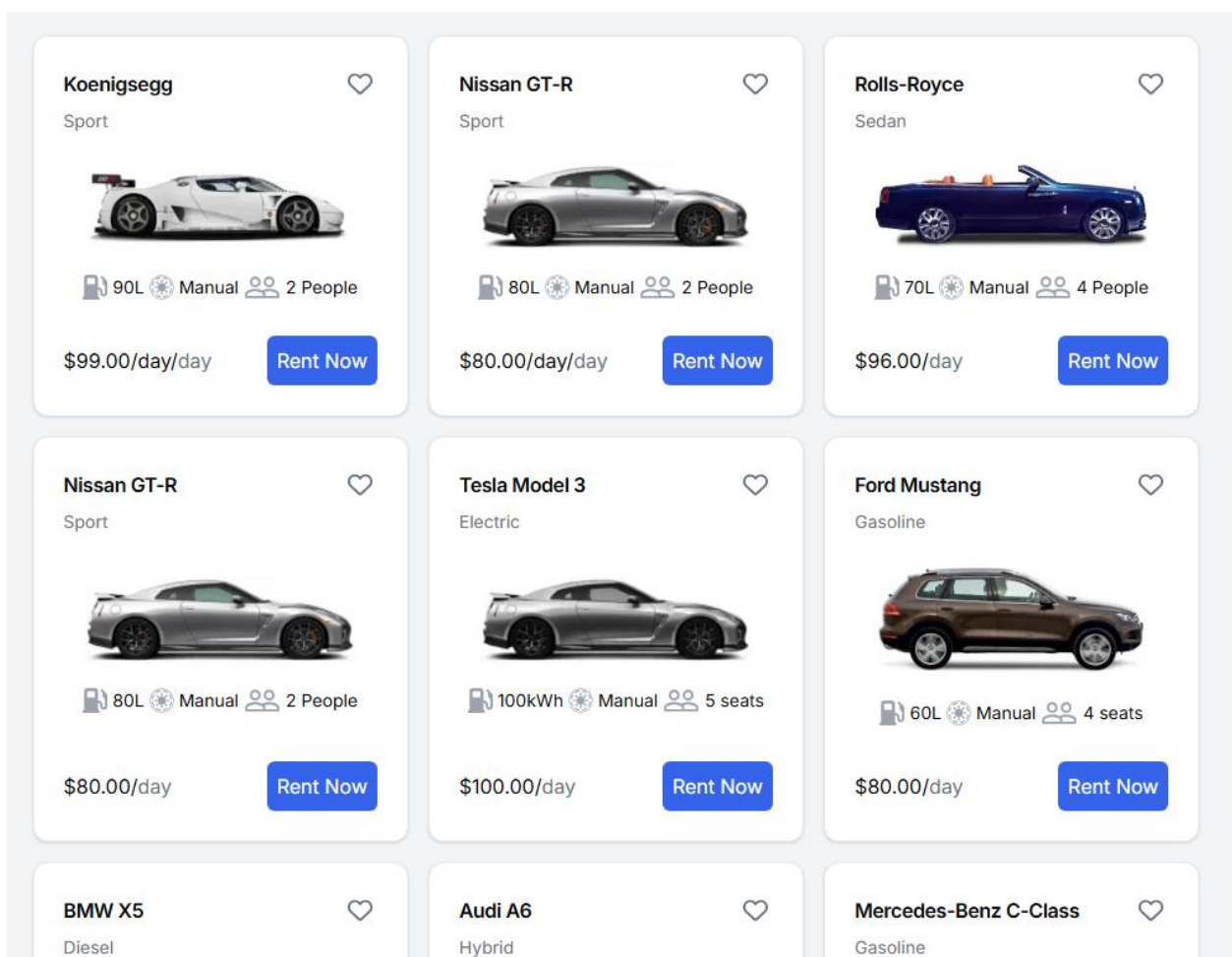
2. Product Details:

This section lets users explore **every detail of a product**, including its **description**, **pricing**, and available options like **sizes or colors**. The feature is powered by **dynamic routing in Next.js** (e.g., `/morecars/[id]`), which fetches and displays **product-specific data** seamlessly.



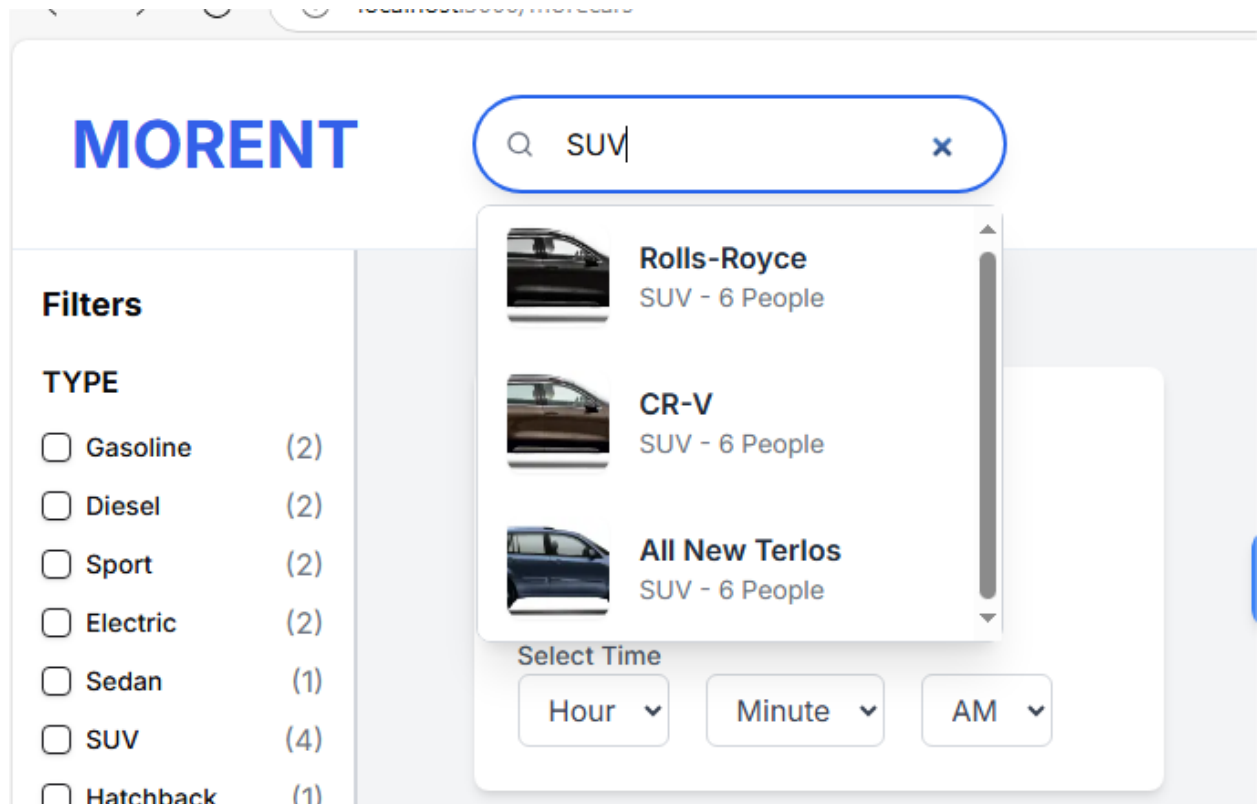
3. Explore by Category:

This feature helps users easily **navigate cars by category**. A **dropdown menu** enables dynamic filtering of products, making the search more intuitive. The categories are **pulled from Sanity CMS** and allow for **real-time filtering**, providing a seamless browsing experience.



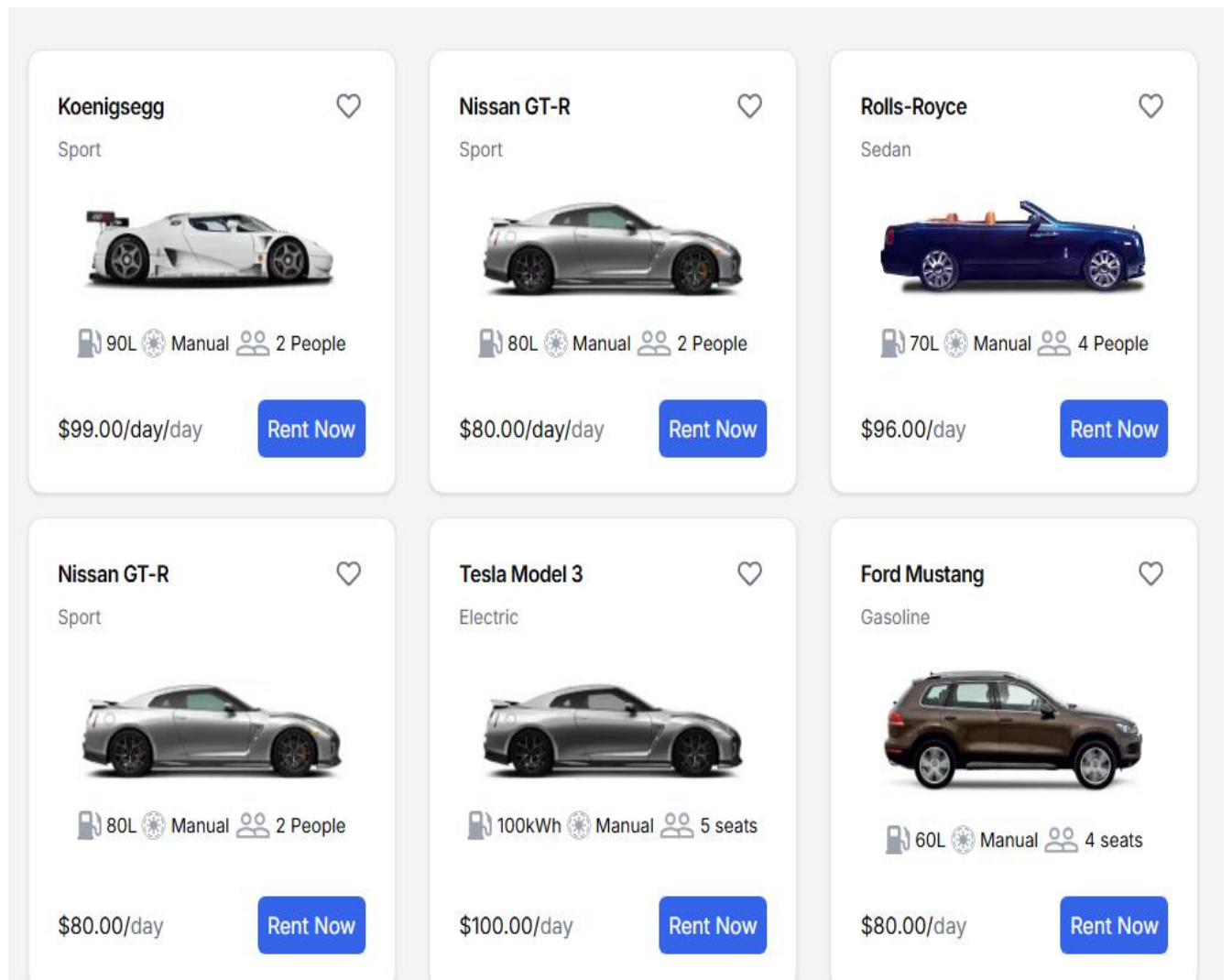
4. Smart Search for Effortless Browsing:

The **smart search bar** simplifies finding products by offering **real-time search functionality**. Users can search by **product name** or **tags**, with results updating instantly as they type. This feature ensures a **quick and smooth browsing experience**, enhancing usability.



5. Shopping Cart:







The **shopping cart** allows users to keep track of the items they wish to purchase. It displays the **items**, their **quantities**, and the **total price**. The cart is **managed globally using React Context API**, making it easy for users to add, remove, or adjust quantities. This ensures a smooth shopping experience from start to finish.



6. Wishlist for Later:

The **wishlist** feature allows users to save products they might want to purchase in the future. Each product card includes a **heart button** that users can click to add items to their wishlist. The data is stored in **local storage** to ensure the wishlist persists even after a page refresh. This makes it easy for users to come back to their saved items later.


ADD TO WISHLISH

<p>Hatchback</p>  <p>90L Manual 2 People</p> <p>\$99.00/day Rent Now</p>	<p>Sport</p>  <p>90L Manual 2 People</p> <p>\$120.00/day Rent Now</p>	<p>Sport</p>  <p>85L Manual 2 People</p> <p>\$150.00/day Rent Now</p>
<p>Bugatti Veyron Sport</p>  <p>100L Automatic 2 People</p> <p>\$200.00/day Rent Now</p>	<p>McLaren P1 Sport</p>  <p>90L Automatic 2 People</p> <p>\$180.00/day Rent Now</p>	<p>Pagani Zonda Sport</p>  <p>85L Manual 2 People</p> <p>\$190.00/day Rent Now</p>

WASHLIST PAGE

Your Wishlist


McLaren P1 Sport



90L Automatic 2 People

\$180.00/day [Rent Now](#)

BMW M4 Sport



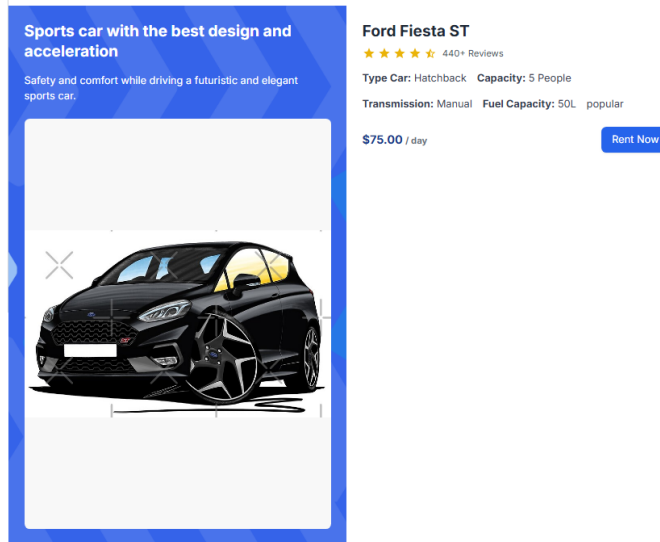
70L Manual 2 People

\$130.00/day [Rent Now](#)

MODENT

7. Smooth Checkout Process:


The **checkout** feature ensures a seamless purchasing experience for users. It includes a **multi-step form** where users can enter their **billing, shipping, and payment** details (mocked for now). Form validation is in place to ensure **accurate data** entry at every step of the process, guiding users smoothly towards completing their purchase.



Payment Details


Secure your car rental by completing your payment details below.


Car Details




Ford Fiesta ST
Type: Hatchback
Price per Day: \$75.00

Select Payment Method

 Credit Card

 JazzCash

 EasyPaisa

Card Details

Confirm and Proceed

Payment Confirmation

Thank you for your payment! Your transaction has been successfully processed.

Payment Details

Payment Method: JazzCash

Account Holder: Amubakar



Car Details

Name: Ford Fiesta ST

Type: Hatchback

Price per Day: \$75.00

Next: Billing Information

Billing Information

Please provide your billing information to proceed with the order.



Ford Fiesta ST

Type: Hatchback

Price per Day: \$75.00

Noor Abubakar

bakarabumuhammad78@gmail.com

144sec 31 D

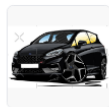
karcahi

52300

Next: Order Summary

Order Summary

Car Details



Name: Ford Fiesta ST

Type: Hatchback

Price per Day: \$75.00

Payment Details

Method: JazzCash

Billing Details

Full Name: Noor Abubakar

[Back to Home](#)

[Track Order](#)

[Save in Gallery](#)

Order/Service Overview

Car Name:	Ford Fiesta ST	Type:	Hatchback
Fuel Capacity:	50L	Transmission:	Manual
Seating Capacity:	5 People	Price per Day:	\$75.00

Location Tracking

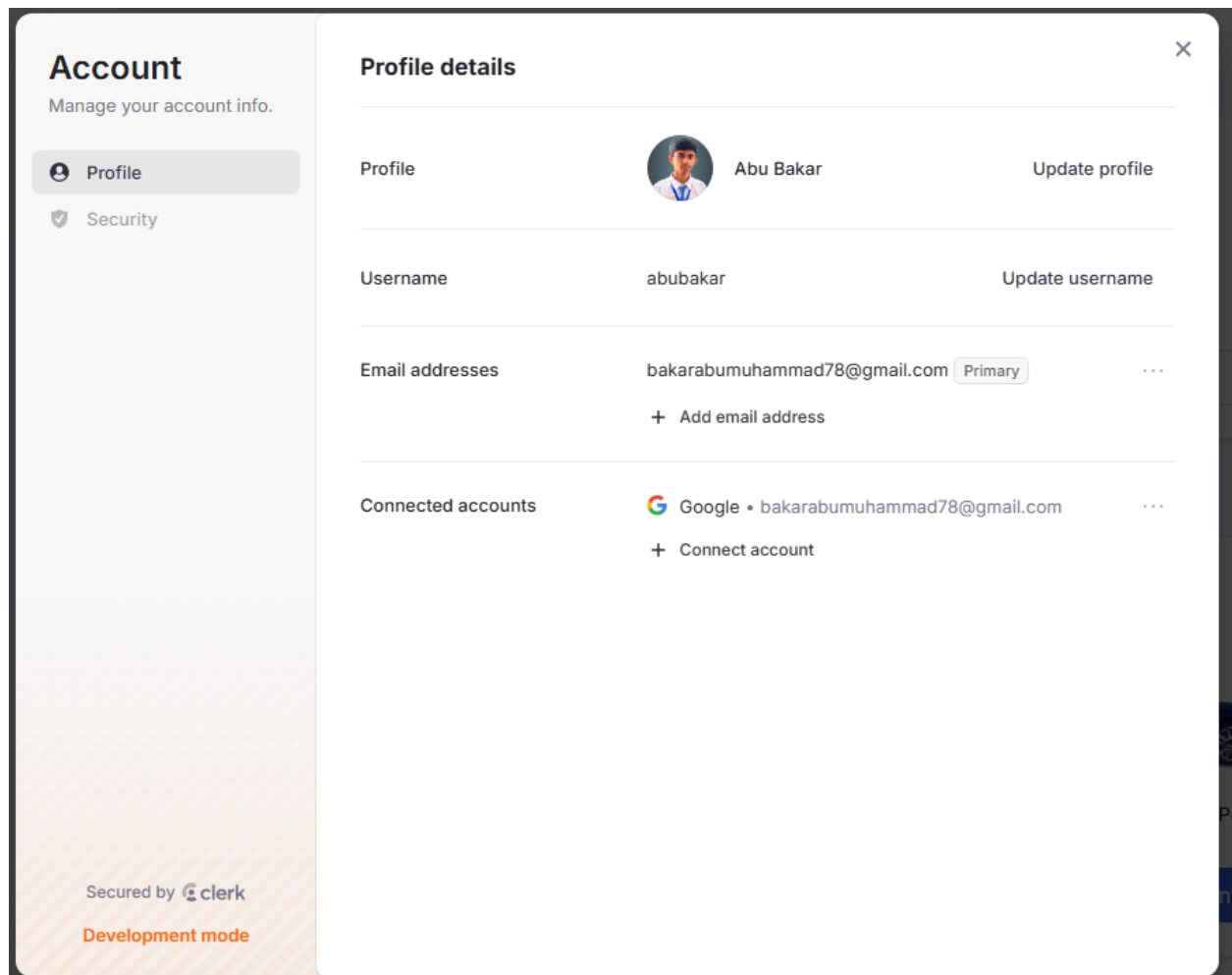


Speed:

61 km/h

8. User Profile Center:

The **User Profile** feature consolidates essential user information, including **name**, **email address**, and **order history**. Data is pulled from the **backend** and presented in an organized, **user-friendly layout**, ensuring an intuitive and straightforward experience for users to manage their personal details and track their orders.



9. Ratings & Reviews:

The **Ratings & Reviews** section helps build credibility by showcasing **user-generated feedback**. Each product displays **average ratings** and individual reviews to provide a complete picture. The reviews are dynamically fetched from **Sanity CMS**, ensuring up-to-date and authentic feedback for users to make informed decisions.

Customer Reviews

J John Doe

2025-01-25

Excellent service!

★★★★★

J Jane Smith

2025-01-24

Very good, but could be better.

★★★★☆

E Emily Davis

2025-01-23

Amazing experience! Highly recommend.

★★★★★

Add a Review

Name

Rating

★ ★ ★ ★ ★

Comment

Submit Review

10. Pagination Perfection:

The **Pagination Perfection** feature simplifies browsing through large product lists. Users can effortlessly navigate by using the **"Previous"** and **"Next"** buttons, providing a seamless browsing experience for products across multiple pages.

☐ Pick-Up

Enter Location

karachi

Select Date

03/27/2020

Select Time

1

00

AM

↓

↑

☒ Drop-Off

Enter Location

lahore

Select Date

10/27/2020

Select Time

4

27

PM

Filters

TYPE

☐ Gasoline (2)

☐ Diesel (2)

☐ Sport (2)

☐ Electric (2)

☐ Sedan (1)

☐ SUV (4)

☐ Hatchback (1)

☐ Hybrid (1)

CAPACITY

☐ 2 People (2)

☐ 4 People (1)

☐ 5 People (5)

☐ 6 People (6)

11. Filter Panel:

The **Filter Panel** allows users to refine their search by applying various filters. With options like **price range sliders**, **brand selection**, and **availability toggles**, users can quickly narrow down their choices. Dynamic filtering is achieved using interactive sliders and checkboxes, ensuring a smooth and responsive experience.


☒ Gasoline (2)
 ☐ Diesel (2)
 ☐ Sport (2)
 ☐ Electric (2)
 ☐ Sedan (1)
 ☐ SUV (4)
 ☐ Hatchback (1)
 ☐ Hybrid (1)

CAPACITY
☐ 2 People (2)
 ☐ 4 People (1)
 ☐ 5 People (5)
 ☐ 6 People (6)

Hour ▾ Minute ▾ AM ▾

Ford Mustang

Gasoline



60L

Manual


4 seats

\$80.00/day

Rent Now

Mercedes-Benz C-Class

Gasoline



65L

Manual


5 seats

\$140.00/day

Rent Now

Porsche 911

Gasoline



60L

Manual


4 seats

\$200.00/day

Rent Now

Chevrolet Camaro

Gasoline




12. Related Products:

The **Related Products** section suggests items that users might be interested in based on their current selection. This feature displays similar or complementary products on detail pages. It fetches related products dynamically using tags or categories, offering a personalized shopping experience.

You May Also Like

Nissan GT-R

Sport



80L

Manual


2 People

\$80.00/day/day

Rent Now

Rolls-Royce

Sedan



70L

Manual


4 People

\$96.00/day

Rent Now

Nissan GT-R

Sport



80L

Manual


2 People

\$80.00/day

Rent Now

Tesla Model 3

Electric



100kWh

Manual


5 seats

\$100.00/day

Rent Now

Ford Mustang

Gasoline



60L

Manual


4 seats

\$80.00/day

Rent Now

BMW X5

Diesel



70L

Manual

7 seats

\$150.00/day

Rent Now

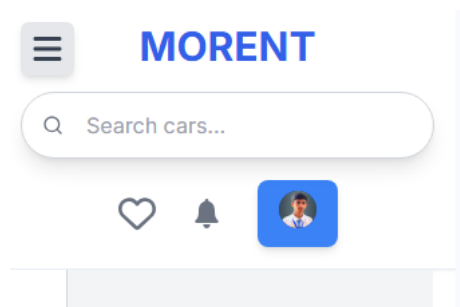
13. Header & Footer

The **Header & Footer** provide consistent navigation and branding throughout the site. They feature links to key pages like Home, About, and Contact, and are designed to be responsive. Built with user experience in mind, these sections ensure seamless navigation across devices.

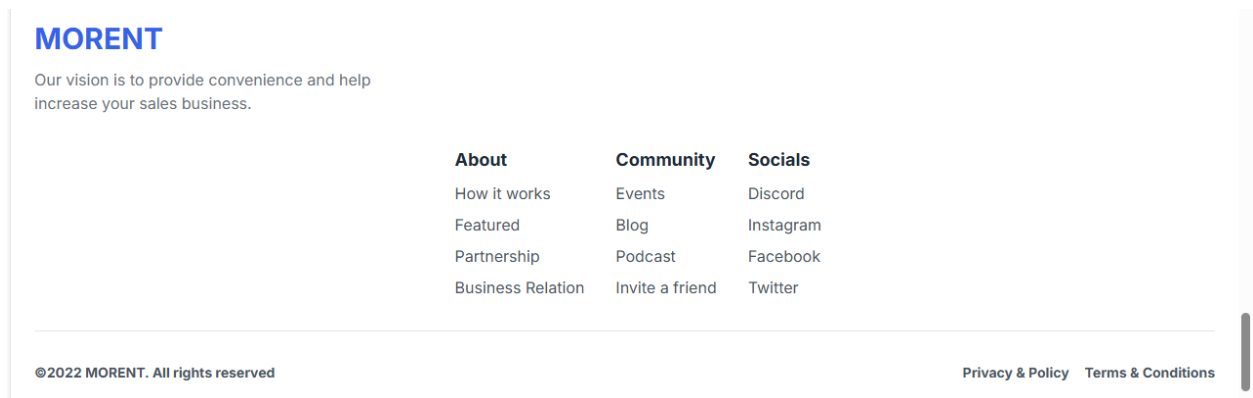
Header on Lg :



Header on Sm:



Footer on lg:



Footer on Sm:

MORENT

Our vision is to provide convenience
and help increase your sales business.

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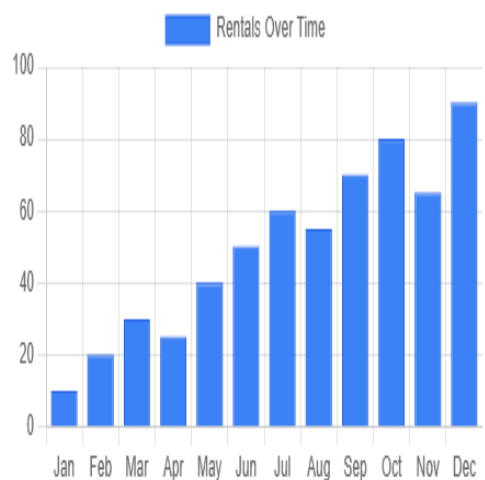
14. Analytical Performance:

The **Analytical Performance** section showcases consistent results of the business. It provides information about car statuses and rankings, helping users understand how products perform. This data is gathered from reviews and user experiences, offering valuable insights into product popularity and quality.

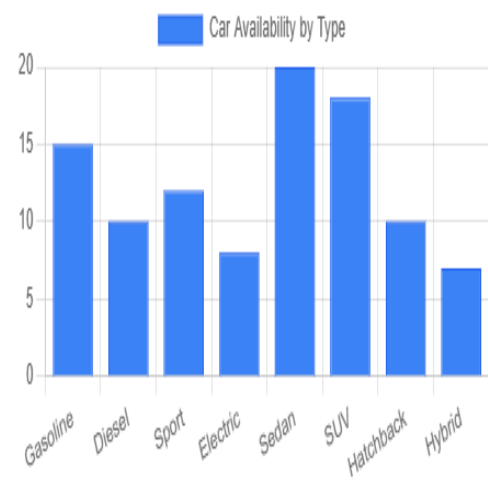
Analytics Dashboard

Gain insights into rental trends and car availability.

Rentals Over Time



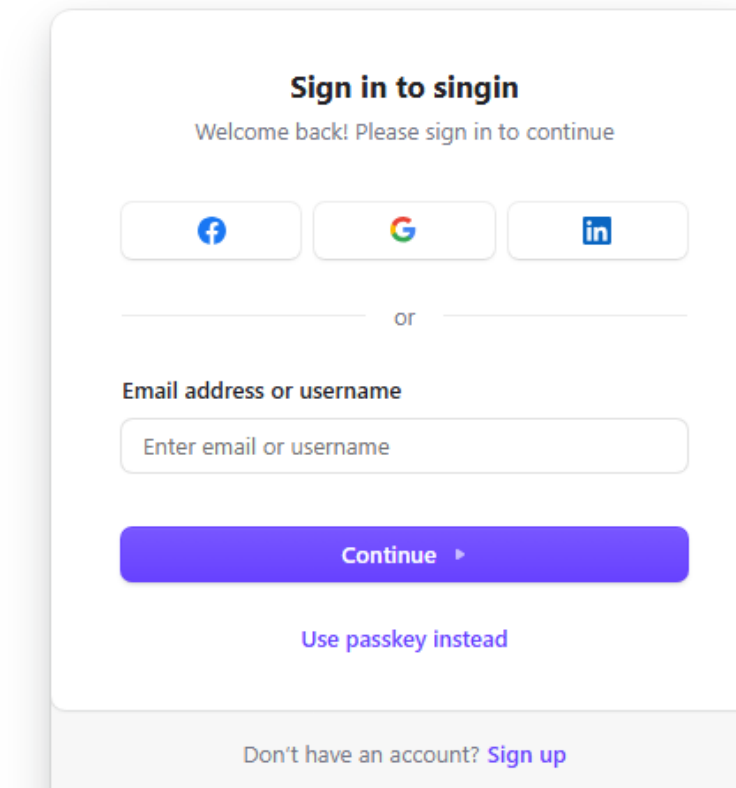
Car Availability by Type



This dashboard provides you with the insights needed to make informed decisions, helping you optimize rental operations and better customer needs. By tracking trends over time and evaluating car availability by type, you can uncover growth opportunities, refine fl

15. Sign Up / Sign In

With **Clerk**, users can securely sign up and sign in to your platform. The component handles account creation and session management, allowing users to log in with ease. Clerk ensures the security of user credentials and provides a smooth experience for both new and returning users. Simple, fast, and secure authentication made easy.



Conclusion

In conclusion, today's development focused on creating dynamic and user-friendly features for the marketplace. I built key components such as the product showcase, category filters, smart search, and a smooth checkout process, ensuring scalability and responsiveness. Additionally, features like a wishlist, ratings and reviews, user profiles, and related products were added to enhance the user experience. The platform is designed to be intuitive, with easy navigation and consistent performance across all devices, setting the stage for future expansion and functionality improvements.