Name: M.ABDULLAH
Roll Number: 433137
Class: Friday (7pm to 10 pm)

Day 4 - Building Dynamic Frontend Components for our Marketplace

Objective: "Alright, Day 4 is here! Today, we're building dynamic frontend components to showcase marketplace data pulled straight from Sanity CMS or APIs. Think of it as giving your app a heartbeat!

We'll focus on:

1. **Modular design** – Create components you can reuse anywhere.
2. **Scalability** – Build something that grows with your app.
3. **Responsiveness** – Make it look amazing on any device.

## What We Built? A Dynamic Marketplace Experience:

1. **Product Showcase**
   - **The Goal:** Bring products to life in a visually appealing grid.
   - **Features:** Name, price, image, and status displayed for each item.
   - **Behind the Scenes:** A reusable product component powered by data fetched from Sanity CMS using GROQ queries.
   - **Visual Proof:**
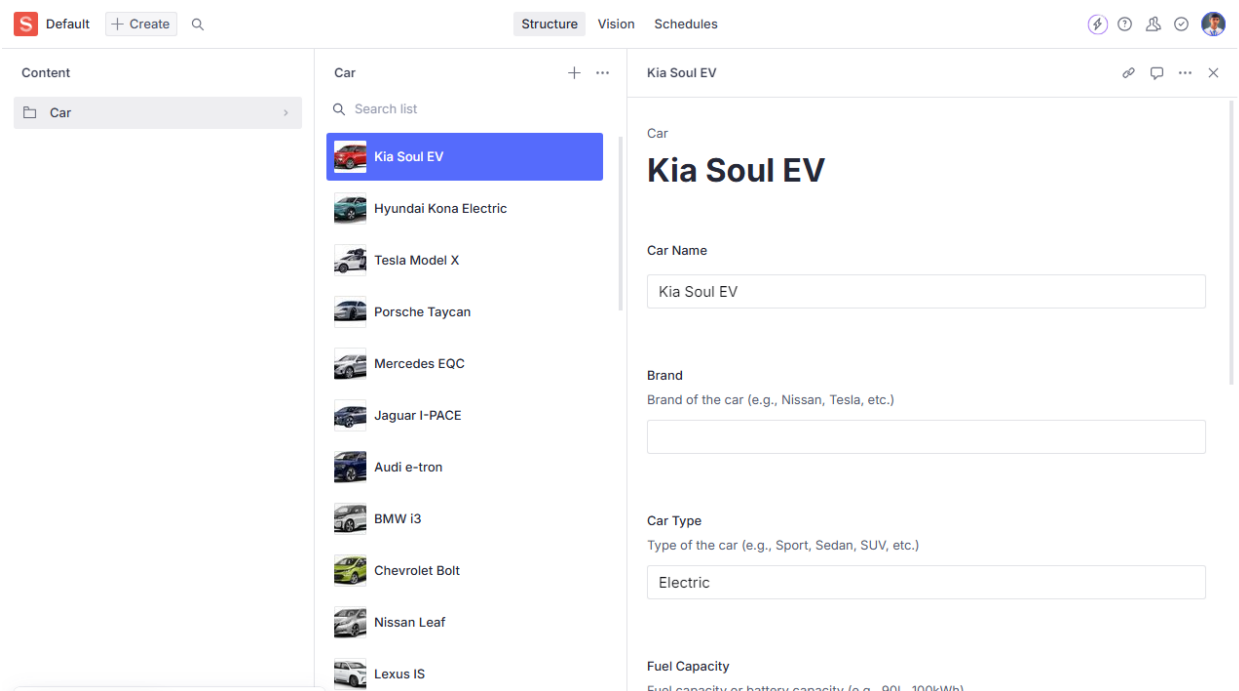
2. Deep Dive into Products:

- o **The Goal:** Let users explore every detail of a product.
- o **Features:** Description, pricing, and available options like sizes or colors.
- o **Behind the Scenes:** Dynamic routing in Next.js (/morecars/[id]) fetches and displays product-specific data.
- o **Visual Proof:**
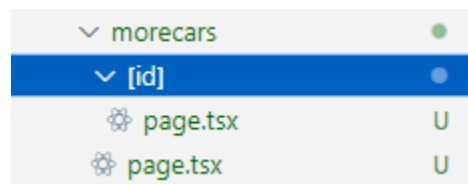
3. Category Explorer:

- o **The Goal:** Help users navigate cars by category.
- o **Features:** A dropdown menu to filter products dynamically.
- o **Behind the Scenes:** Categories pulled from Sanity CMS, with real-time filtering.
- o **Visual Proof:**

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

70L · Manual · 4 seats

$110.00/day — **Rent Now**

Koenigsegg
Sport

90L · Manual · 2 People

$99.00/day/day — **Rent Now**

Nissan GT-R
Sport

80L · Manual · 2 People

$80.00/day/day — **Rent Now**

Nissan GT-R
Sport

80L · Manual · 2 People

$80.00/day — **Rent Now**

Ferrari Enzo
Sport

90L · Manual · 2 People

$120.00/day — **Rent Now**

Lamborghini Huracan
Sport

85L · Manual · 2 People

$150.00/day — **Rent Now**
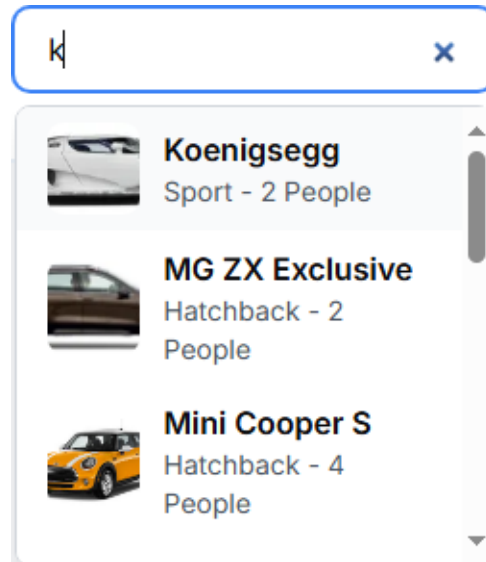
Bugatti Veyron
Sport

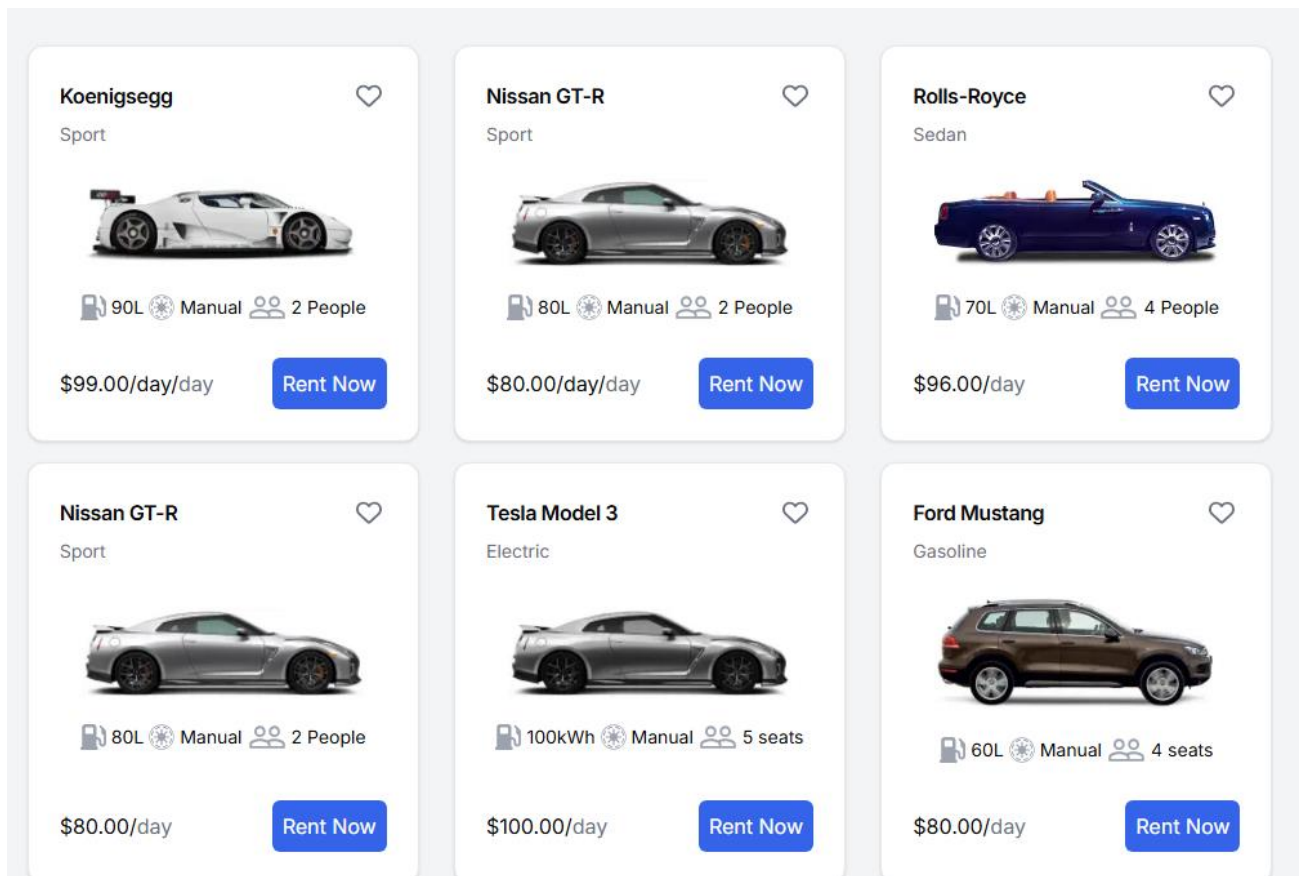100L · Automatic · 2 People

$200.00/day — **Rent Now**

4. **Smart Search:**
   - **The Goal:** Make finding products effortless.
   - **Features:** Real-time search by product name or tags.
   - **Behind the Scenes:** A sleek search bar that filters results as you type.
   - **Visual Proof:**

5. **Shopping Cart:**
   - **The Goal:** Keep track of what users want to buy.
   - **Features:** Displays items, quantities, and total price.
   - **Behind the Scenes:** Managed globally with React Context API. Users can add, remove, or adjust quantities.
   - **Visual Proof:**

Koenigsegg	♡	Nissan GT-R	♡	Rolls-Royce	♡
Sport		Sport		Sedan	

⛽ 90L ❄ Manual 👥 2 People

⛽ 80L ❄ Manual 👥 2 People

⛽ 70L ❄ Manual 👥 4 People

$99.00/day/day   **Rent Now**

$80.00/day/day   **Rent Now**

$96.00/day   **Rent Now**

Nissan GT-R	♡	Tesla Model 3	♡	Ford Mustang	♡
Sport		Electric		Gasoline	

⛽ 80L ❄ Manual 👥 2 People

⛽ 100kWh ❄ Manual 👥 5 seats

⛽ 60L ❄ Manual 👥 4 seats

$80.00/day   **Rent Now**

$100.00/day   **Rent Now**

$80.00/day   **Rent Now**

6. **Wishlist Wonder**
   o **The Goal:** Let users save products for later.
   o **Features:** A heart button on each product card to add items to the wishlist.
   o **Behind the Scenes:** Wishlist data stored in local storage for persistence.
   o **Visual Proof:**

Koenigsegg
Sport

90L · Manual · 2 People

$99.00/day/day   **Rent Now**

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**

Your Wishlist

Koenigsegg
Sport

90L · Manual · 2 People

$99.00/day/day   **Rent Now**

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**

7. **User Profile Hub**
   - o **The Goal:** Centralize user-specific information.
   - o **Features:** Name, email addresse, & Orders.
   - o **Behind the Scenes:** Data fetched from the backend and displayed in a clean, user-friendly layout.
   - o **Visual Proof:**
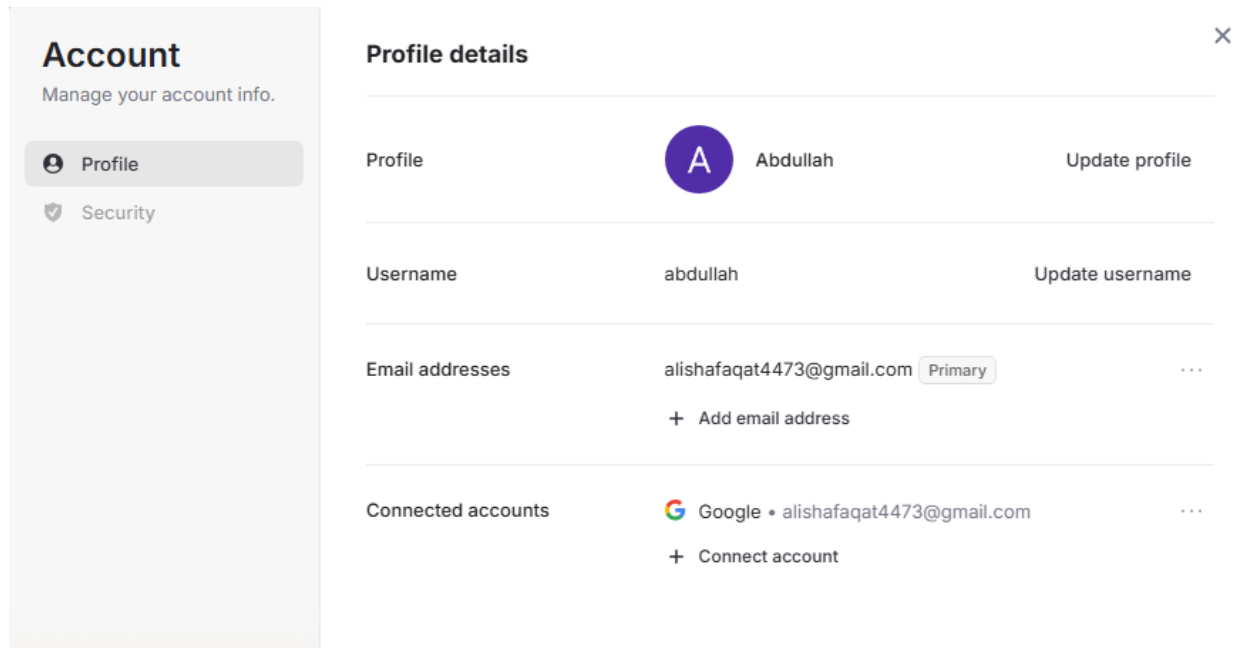
8. **Reviews & Ratings**
   - o **The Goal:** Build trust with user-generated feedback.
   - o **Features:** Average ratings and individual reviews for each product.
   - o **Behind the Scenes:** Reviews fetched from Sanity CMS and displayed dynamically.
   - o **Visual Proof:**

Sports car with the best design and acceleration

Safety and comfort while driving a futuristic and elegant sports car.

Nissan GT-R

★ ★ ★ ★ ½ 440+ Reviews

Type Car: Sport **Capacity:** 2 People **Transmission:** Manual

Fuel Capacity: 80L popular

$80.00/day / day

Rent Now

Reviews

A	**Abubakar** Customer	1/20/2025 ★ ☆ ☆ ☆ ☆

We are greatly helped by the services of the MORENT Application. Morent has low prices and also a wide variety of cars with good and comfortable facilities. In addition, the service provided by the officers is also very friendly and very polite.

A	**Abubakar** Customer	1/20/2025 ★ ★ ★ ☆ ☆

We are greatly helped by the services of the MORENT Application. Morent has low prices and also a wide variety of cars with good and comfortable facilities. In addition, the service provided by the officers is also very friendly and very polite.

m	**muhammad abdullah** Customer	1/26/2025 ★ ★ ★ ★ ★

We are greatly helped by the services of the MORENT Application. Morent has low prices and also a wide variety of cars with good and comfortable facilities. In addition, the service provided by the officers is also very friendly and very polite.

Leave a Review

Your Name

Your Review

1 Star

Submit Review

9. **Pagination Perfection**
   o **The Goal:** Make large product lists easy to navigate.
   o **Features:** "Previous" and "Next" buttons for smooth browsing.
   o **Behind the Scenes:** Breaks down product lists into bite-sized pages.
   o **Visual Proof:**

```
const BookingForm: React.FC = () => {
  return (
    <div className="lg:flex lg:items-center lg:justify-between sm:grid sm:grid-cols-1 gap-12  sm:p-6 lg:p-8 □bg-gray-100 ">
      {/* Pick-Up Section */}
      <div className="□bg-white rounded-lg shadow-md p-6 flex flex-col gap-5 object-cover justify-between  lg:w-[49%]">
        <div className="flex items-center gap-2">
          <input
            type="radio"
            id="pickup"
            name="bookingType"
            className="■text-blue-500"
            defaultChecked
          />
          <label htmlFor="pickup" className="font-medium ■text-gray-700">
            Pick-Up
          </label>
        </div>
        <div className="flex gap-4 flex-wrap">
          {/* Location Input */}
          <div className="flex flex-col w-full sm:w-1/2 md:w-1/3">
            <label className="font-medium ■text-gray-600 text-sm md:text-nowrap">Enter Location</label>
            <input
              type="text"
              className="border □border-gray-300 rounded-md px-3 py-2 ■text-gray-700"
              placeholder="Enter location (e.g., City, Country)"
            />
          </div>

          {/* Date Picker */}
          <div className="flex flex-col w-full sm:w-1/2 md:w-1/3">
            <label className="font-medium ■text-gray-600 text-sm md:text-nowrap">Select Date</label>
            <input
              type="date"
              className="border □border-gray-300 rounded-md px-3 py-2 ■text-gray-700"
            />
          </div>

          {/* Custom Time Picker */}
          <div className="flex flex-col w-full sm:w-1/2 md:w-1/3">
            <label className="font-medium ■text-gray-600 text-sm md:text-nowrap">Select Time</label>
            <div className="md:flex items-center gap-2 space-y-3 space-x-1 lg:space-y-0 lg:space-x-3">
              <select className="border □border-gray-300 rounded-md px-3 py-2 ■text-gray-700">
                <option value="">Hour</option>
                {[...Array(12).keys()].map((i) => (
                  <option key={i} value={i + 1}>
                    {i + 1}
                  </option>
                ))}
              </select>
```

```jsx
{/* Drop-Off Section */}
<div className="☐bg-white rounded-lg shadow-md p-6 flex flex-col gap-5 justify-between w-full lg:w-[45%]">
  <div className="flex items-center gap-2">
    <input
      type="radio"
      id="dropoff"
      name="bookingType"
      className="🟦text-blue-500"
    />
    <label htmlFor="dropoff" className="font-medium ⬛text-gray-700">
      Drop-Off
    </label>
  </div>
  <div className="flex gap-4 flex-wrap">
    {/* Location Input */}
    <div className="flex flex-col w-full sm:w--1/2 md:w-1/3">
      <label className="font-medium ⬛text-gray-600 text-sm md:text-nowrap">Enter Location</label>
      <input
        type="text"
        className="border ☐border-gray-300 rounded-md px-3 py-2 ⬛text-gray-700"
        placeholder="Enter location (e.g., City, Country)"
      />
    </div>

    {/* Date Picker */}
    <div className="flex flex-col w-full sm:w--1/2 md:w-1/3">
      <label className="font-medium ⬛text-gray-600 text-sm md:text-nowrap">Select Date</label>
      <input
        type="date"
        className="border ☐border-gray-300 rounded-md px-3 py-2 ⬛text-gray-700"
      />
    </div>

    {/* Custom Time Picker */}
    <div className="md:flex flex-col w-full sm:w--1/2 md:w-1/3">
      <label className="font-medium ⬛text-gray-600 text-sm md:text-nowrap">Select Time</label>
      <div className="md:flex items-center gap-2 space-y-3 space-x-1 lg:space-y-0 lg:space-x-3">
        <select className="border ☐border-gray-300 rounded-md px-3 py-2 ⬛text-gray-700">
          <option value="">Hour</option>
          {[...Array(12).keys()].map((i) => (
            <option key={i} value={i + 1}>
              {i + 1}
            </option>
          ))}
        </select>
        <select className="border ☐border-gray-300 rounded-md px-3 py-2 ⬛text-gray-700">
          <option value="">Minute</option>
          {[...Array(60).keys()].map((i) => (
            <option key={i} value={i}>
              {i < 10 ? `0${i}` : i}
            </option>
```

➢ Output

➢ Code:

```jsx
return (
  <div className="">
    <div className="relative">
    {/* Toggle Button */}
    <div className="md:hidden sm:block lg:hidden block">
      <button
        onClick={side}
        className="p-2 ■text-gray-700 □bg-gray-200 rounded-md shadow-md fixed top-4 left-4 z-20"
      >
        {sidebar ? <IoClose size={24} /> : <FaBars size={24} />}
      </button>

      {/* Sidebar */}
      {sidebar && (
        <div className="fixed top-0 left-0  h-full □bg-white p-4 border-r ■border-gray-300 transform
        duration-300 ease-in-out z-10 sm:w-[250px]">
          <h2 className="text-lg font-bold mb-4 mt-[2cm]">Filters</h2>

          {/* TYPE Section */}
          <div className="mb-6">
            <h3 className="text-md font-semibold mb-3">TYPE</h3>
            <ul className="space-y-2">
              <li className="flex items-center justify-between">
                <div className="flex items-center space-x-2">
                  <Checkbox id="terms" />
                  <label
                    htmlFor="terms"
                    className="text-sm font-medium leading-none"
                  >
                    Sport
                  </label>
                </div>
                <span className="■text-gray-500">(2)</span>
              </li>
              <li className="flex items-center justify-between">
                <div className="flex items-center space-x-2">
                  <Checkbox id="sedan" />
                  <label
                    htmlFor="sedan"
                    className="text-sm font-medium leading-none"
                  >
```

```
{/* CAPACITY Section */}
<div>
  <h3 className="text-md font-semibold mb-3">CAPACITY</h3>
  <ul className="space-y-2">
    <li className="flex items-center justify-between">
      <div className="flex items-center space-x-2">
        <Checkbox id="2-people" />
        <label
          htmlFor="2-people"
          className="text-sm font--medium leading-none"
        >
          2 People
        </label>
      </div>
      <span className="■text-gray-500">(2)</span>
    </li>
    <li className="flex items-center justify-between">
      <div className="flex items-center space-x-2">
        <Checkbox id="4-people" />
        <label
          htmlFor="4-people"
          className="text-sm font--medium leading-none"
        >
```

> **Output:**

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)

10. **Filter Panel:**

- o **The Goal:** Help users narrow down their search.
- o **Features:** Price range sliders, brand selection, and availability toggles.
- o **Behind the Scenes:** Dynamic filtering using sliders and checkboxes.
- o **Visual Proof:**
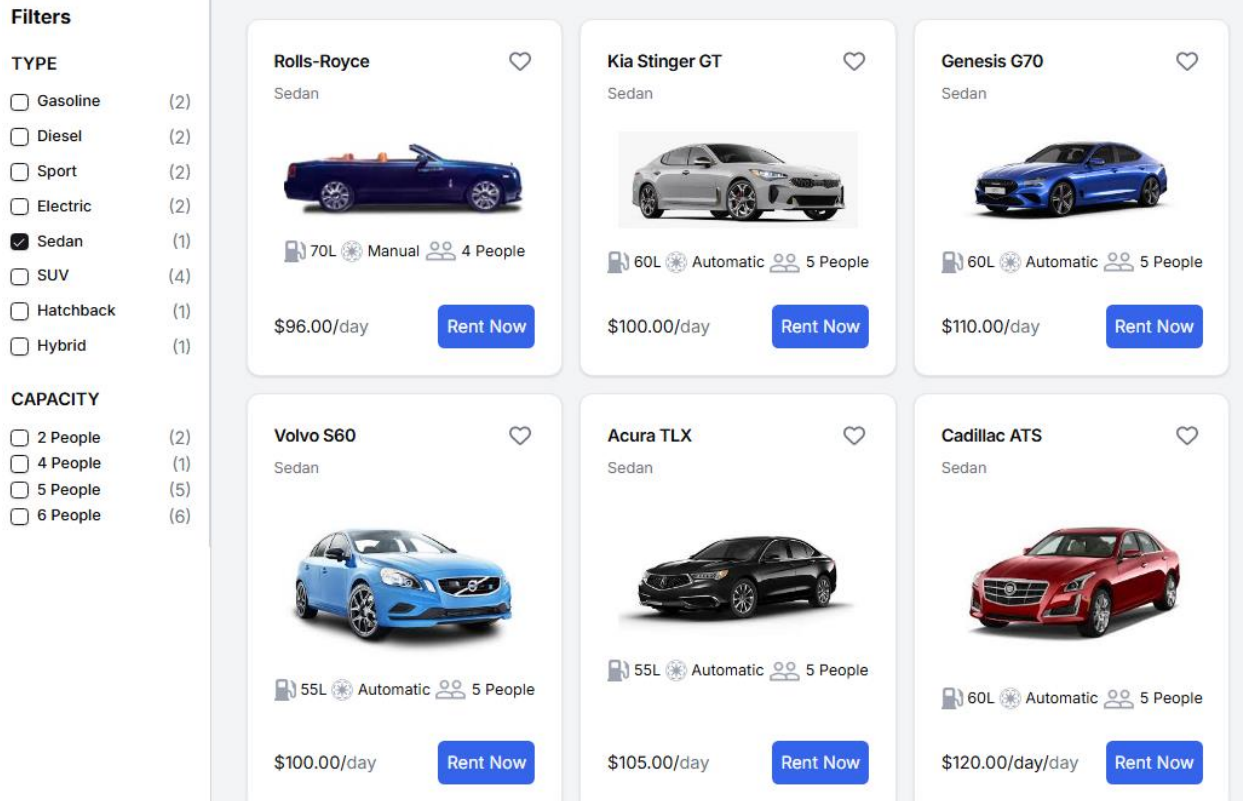
11. **Related Products:**

- o **The Goal:** Suggest items users might love.
- o **Features:** Displays similar or complementary products on detail pages.
- o **Behind the Scenes:** Fetches related products based on tags or categories.
- o **Visual Proof:**

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**

12. Header & Footer:

- o **The Goal:** Provide consistent navigation and branding.
- o **Features:** Links to key pages (Home, About, Contact) and responsive design.
- o **Behind the Scenes:** Built for seamless user experience across devices.
- o **Visual Proof:**

Header on Lg :

MORENT   Search cars...   ♡ 🔔 **Sign in**

Header on Sm:

MORENT

Search cars...

♡ 🔔 **Sign in**

Footer on lg:

MORENT

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

About
How it works
Featured
Partnership
Business Relation

Community
Events
Blog
Podcast
Invite a friend

Socials
Discord
Instagram
Facebook
Twitter

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MORENT

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Invite a friend

Socials
Discord
Instagram
Facebook
Twitter

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13. **Analytical Performance:**
   - **The Goal:** Show consistent results of our business.
   - **Features:** Provide info about cars status & cars rankings .
   - **Behind the Scenes:** Based on reviews & users experience.
   - **Visual Proof:**

Analytics Dashboard
Gain insights into rental trends and car availability.

Rentals Over Time

Car Availability by Type
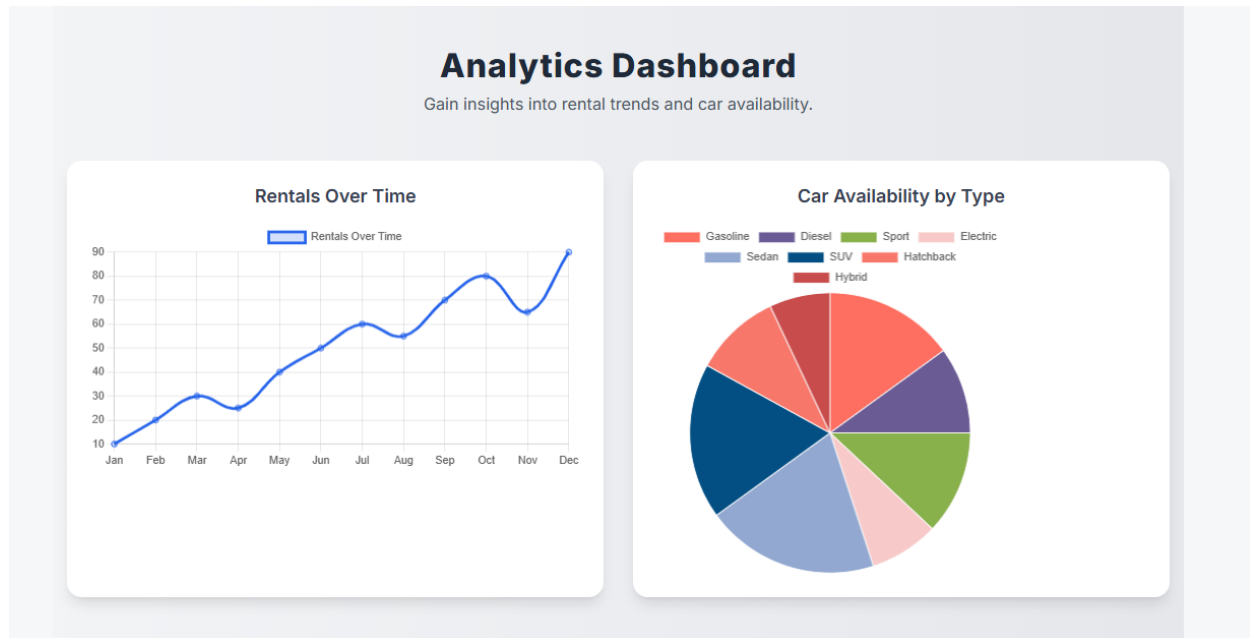
14. **Payments:**
   - **The Goal:** To provide users with a comprehensive view of their payment history and transaction details.
   - **Features:**

     - Payment Methods : Display available payment options (credit/debit cards, EazyPaisa, JazzCash.).
     - Status Updates: Indicate whether payments are pending, completed, or failed.
     - Security: Ensure all payment information is encrypted and protected.

   - **Behind the Scenes:** Payments data fetched securely from the backend to ensure accuracy and security.
   - **Visual Proof:**

Payment Details

Please enter your payment information to complete the booking.

Car Details

Car Name: Nissan GT-R
Type: Sport
Price per Day: $80.00/day

Select Payment Method

○ Credit Card **VISA**

◉ JazzCash

○ EasyPaisa

Mobile Details

+923282513267

abdullah

Next: Billing Information

Payment Confirmation

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

Car Details

Car Name: Nissan GT-R
Type: Sport
Price per Day: $80.00/day

Payment Details

Payment Method: JazzCash
Mobile Number: +923282513267
Account Holder Name: abdullah

Next

Billing Information

Please enter your billing information to proceed.

Car Details

Car Name: Nissan GT-R
Type: Sport
Price per Day: $80.00/day

abdullah	bakarabumuhammad78@gmail.com
144sec 31 D	karcahi
2222	

Next: Order Summary

OrderSummary

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

Car Details

Car Name: Nissan GT-R
Type: Sport
Price per Day: $80.00/day

Payment Details

Payment Method: JazzCash
Mobile Number: +923282513267
Account Holder Name: abdullah

Billing Details

Full Name: abdullah
Email: bakarabumuhammad78@gmail.com
Address: 144sec 31 D
City: karcahi
Zip Code: 2222

**Go Back to Home** **Track Order** **Download as PDF**

15. Tracking

- **The Goal:** To provide users with real-time updates on the status of their orders or vehicles, ensuring transparency and ease of access
- **Features:**

  - **Order/Car Status:** Show current status (e.g., processing, shipped, delivered, out for delivery) of users' orders or vehicles.
  - **Location Map:** Integrate a live map or progress bar showing the journey of the order or vehicle.

- **Behind the Scenes:** Tracking data fetched in real-time from the backend, ensuring users get accurate and up-to-date information on their orders or vehicles.
- **Visual Proof**

Order/Service Overview

Car Name:	Nissan GT-R
Type:	Sport
Fuel Capacity:	80L
Transmission:	Manual
Seating Capacity:	2 People
Price per Day:	$80.00/day

Location Tracking
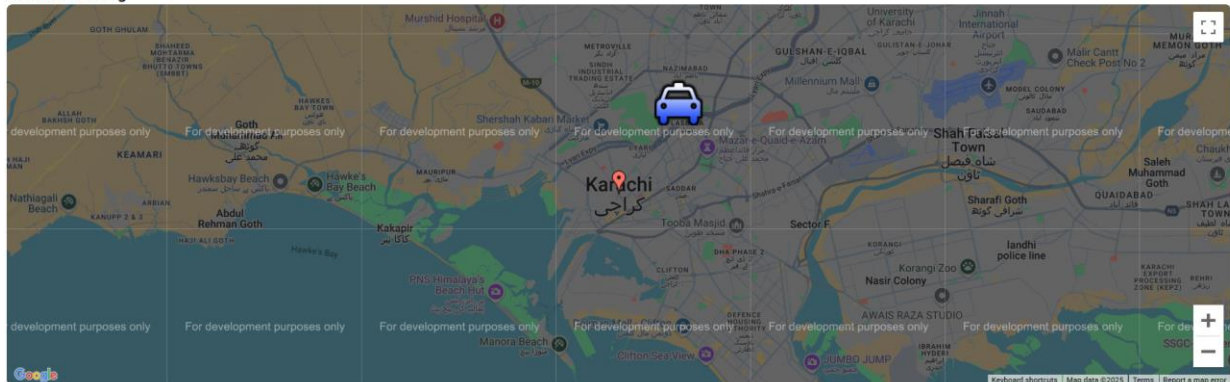
Speed:	38 km/h

Car Image

16. **Gift Components (Coupons):**

- o **Goal:** Allow users to apply discount coupons for savings.
- o **Features:** Provide valid coupon codes for discounts on purchases.
- o **Behind the Scenes:** Coupons are verified in real-time for validity and applicable discounts.
- o **Visual Proof:**

Rental Summary

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

BMW X5
★ ★ ★ ★ ⯪ 440+ Reviews

Subtotal	$150.00
Tax	$0

Apply promo code | Apply now

Total Rental Price **$150.00**

Overall price and includes rental discount

17. **PDF Download:**

- o **Goal:** Allow users to download details in PDF format.
- o **Features:** Provide a button to download the user's details or order history as a PDF.
- o **Behind the Scenes:** Data is converted into a downloadable PDF using backend services.
- o **Visual Proof:** A simple "Download PDF" button displayed, with the option to choose the data to be included in the PDF.

OrderSummary

Thank you for your payment! Your order has been successfully pro...

Car Details

Car Name: Nissan GT-R
Type: Sport
Price per Day: $80.00/day

Payment Details

Payment Method: JazzCash
Mobile Number: +923282513267
Account Holder Name: abdullah

Billing Details

Full Name: abdullah
Email: bakarabumuhammad78@gmail.com
Address: 144sec 31 D
City: karcahi
Zip Code: 2222

[Go Back to Home] [Track Order] [Download as PDF]

Order Summary

Car Details:

   - Name: Nissan GT-R

   - Type: Sport

   - Price per Day: $80.00/day

Payment Details:

   - Method: JazzCash

   - Mobile Number: +923282513267

   - Account Holder Name: abdullah

Billing Details:

   - Full Name: abdullah

   - Email: bakarabumuhammad78@gmail.com

   - Address: 144sec 31 D

   - City: karcahi

   - Zip Code: 2222

Conclusion:

This project highlights the key features that make a dynamic and user-friendly marketplace experience. The **product showcase** is designed to visually engage users, while **deep dive** features allow them to explore details effortlessly. **Real-time tracking** ensures users stay updated on their orders, and **personalized profiles** centralize user information for easy access.

The inclusion of **payment methods**, **discount coupons**, and **secure transactions** enhances the convenience and trust factor. With features like **wishlists** and **product recommendations**, users can personalize their shopping journey. The **PDF download option** adds extra value, giving users a convenient way to store their order history.

Built with **scalability** and **responsiveness** in mind, this project adapts to various devices, ensuring smooth navigation across all platforms. It's a comprehensive and **engaging experience** designed to grow with the users' needs.