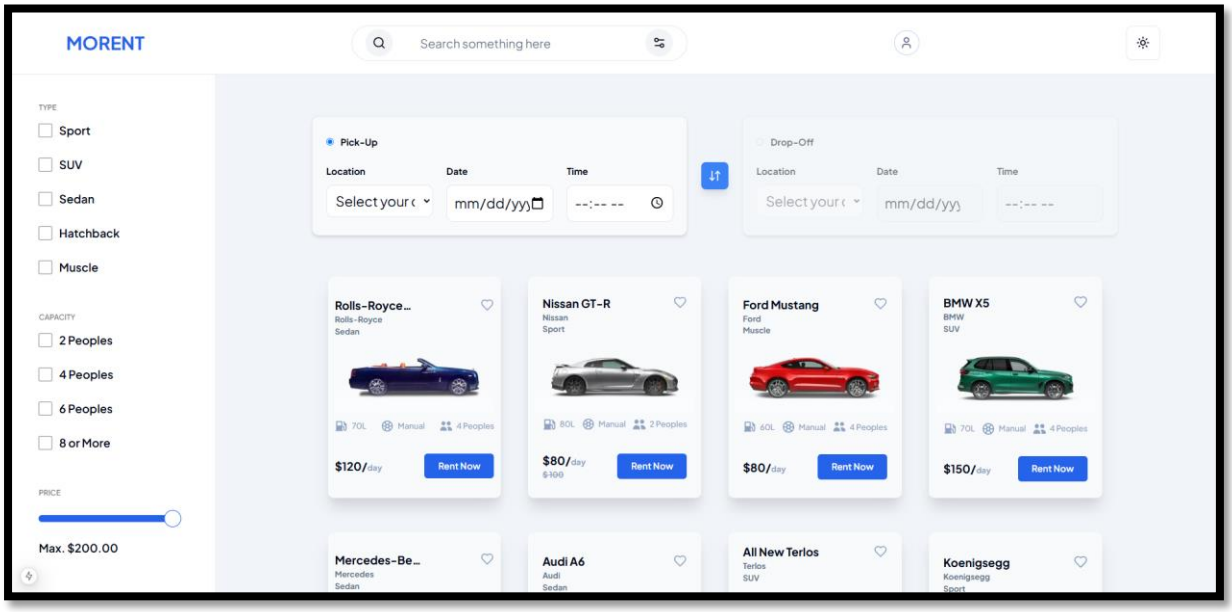
Day 4 - Dynamic Frontend Components – Morent Cars Rental Service

I. Functional Deliverables

1) Product (Cars) Listing Page

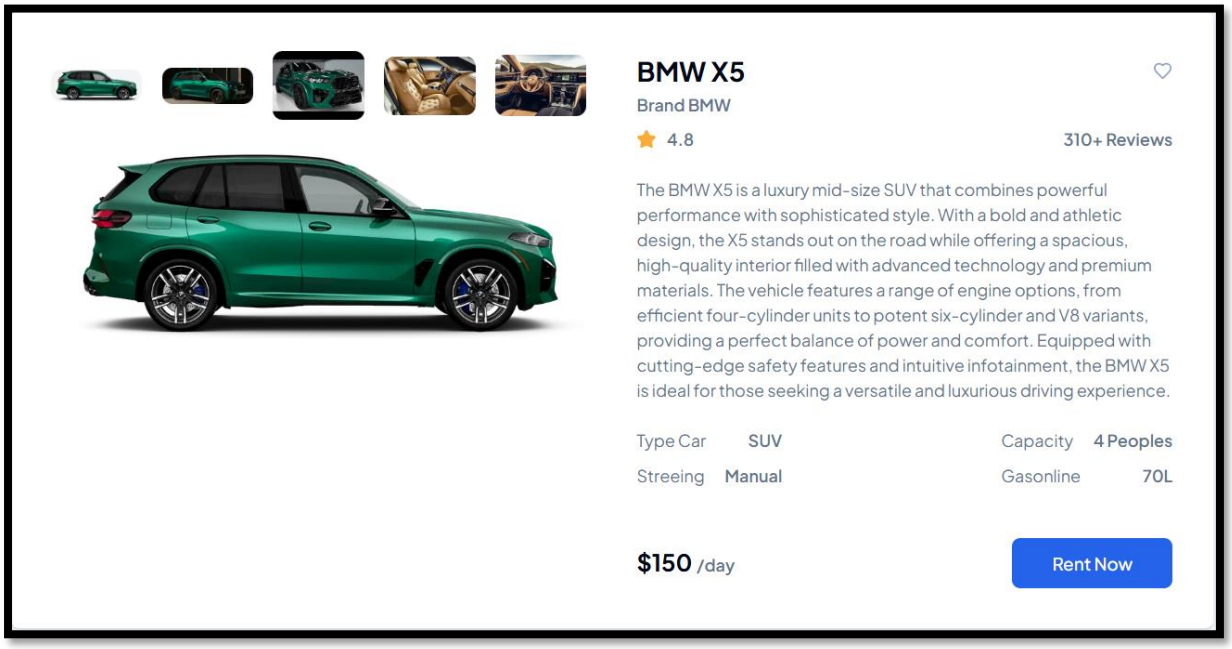
- A grid layout displaying dynamic product information, a car card including:
  - Car name
  - Car type
  - Brand Name
  - Image
  - Per day Rent
  - Fuel Capacity
  - Transmission
  - Capacity of car
  - Heart to add it in Wishlist

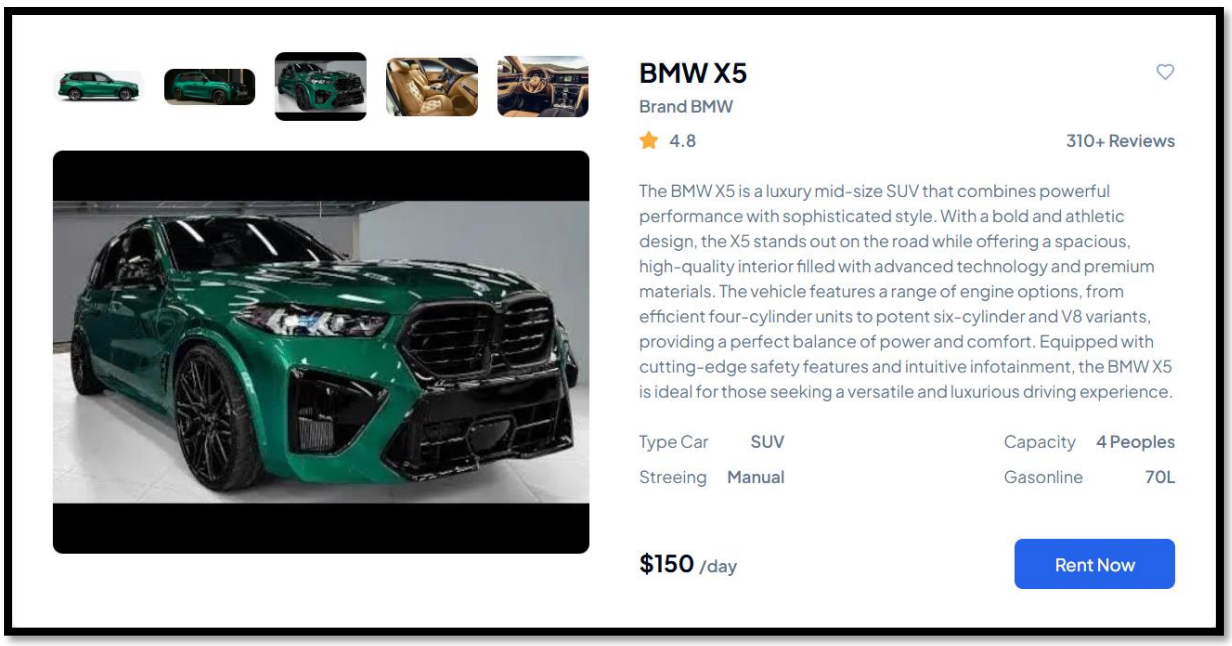


2) Product (Cars) Detail Page

- Dynamic product pages with routing, showcasing details such as:
  - Name
  - Brand name
  - Rating
  - Rating count
  - Description
  - Car type
  - Transmission
  - Capacity of car
  - Heart to add it in Wishlist
  - Rent per day

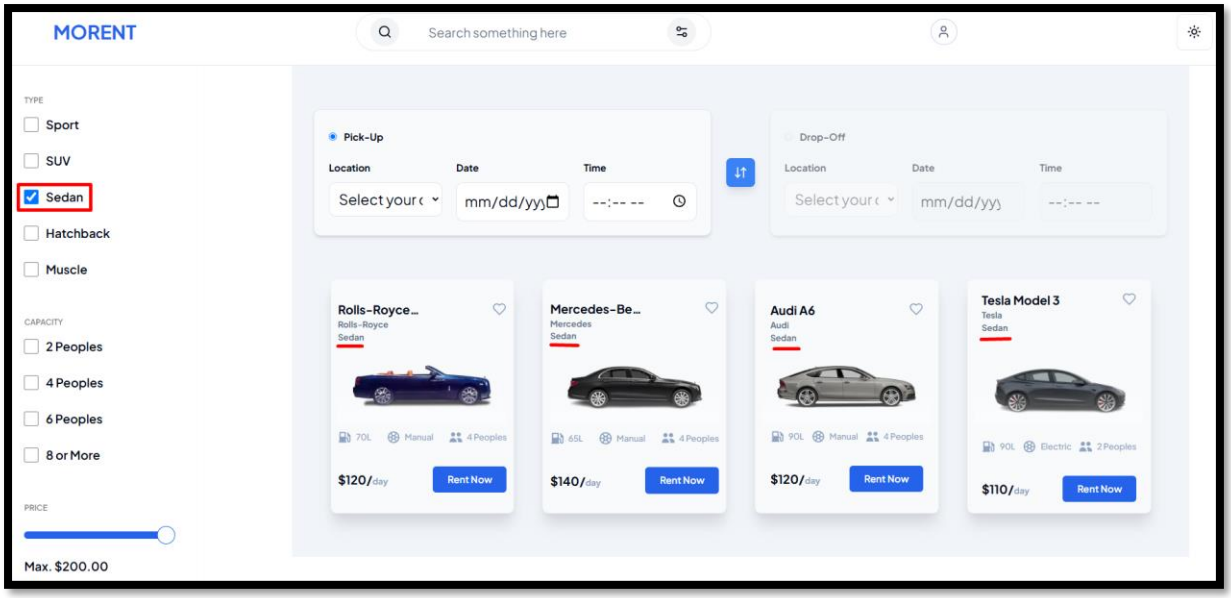
- Multiple images, click on each one to display it.

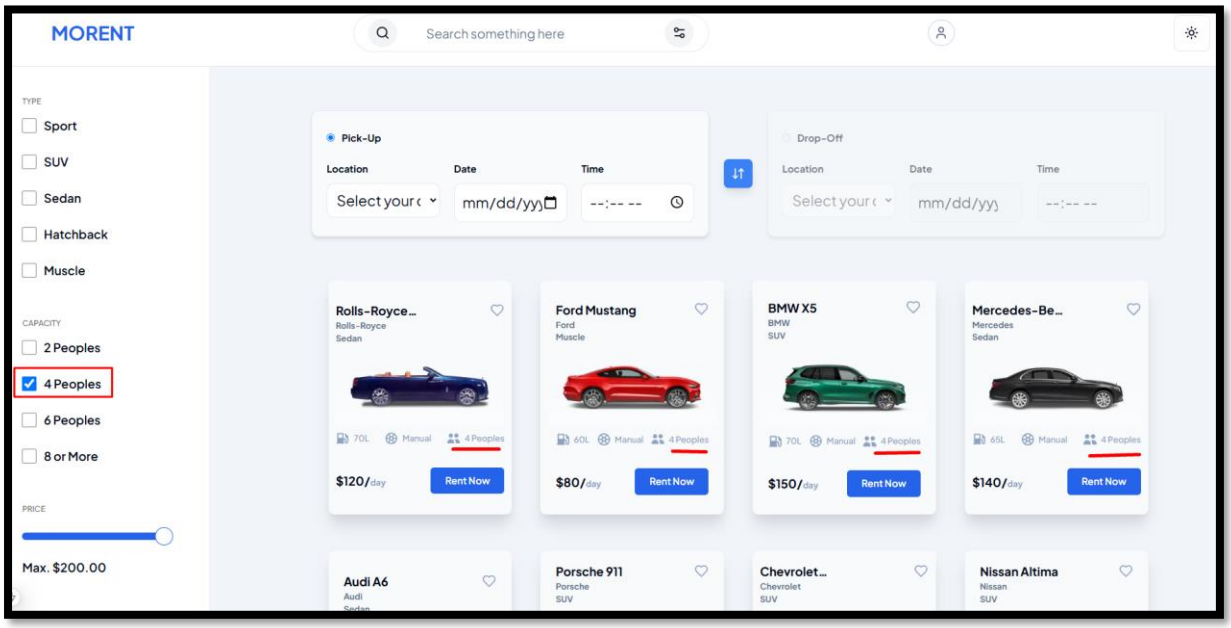


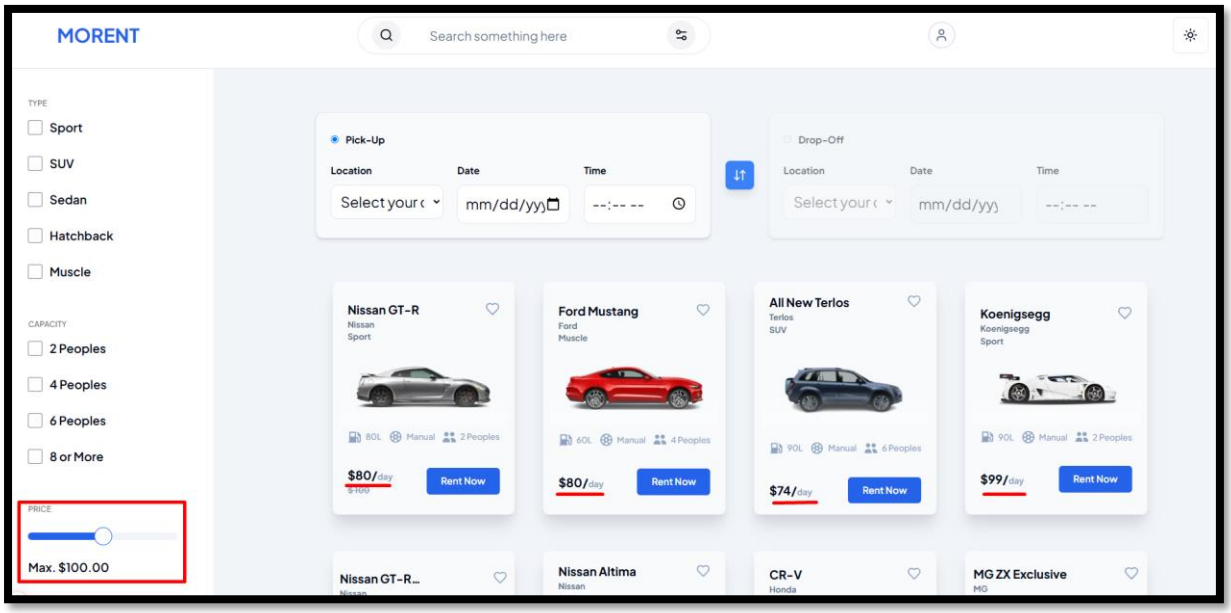


3) Category filter

➢ Interactive category filters that let users dynamically sort cars.
- User can filter cars based on **Car type**
- User can filter cars based on **Car Capacity** (no of peoples sit in car)
- User can filter cars based on **Price**

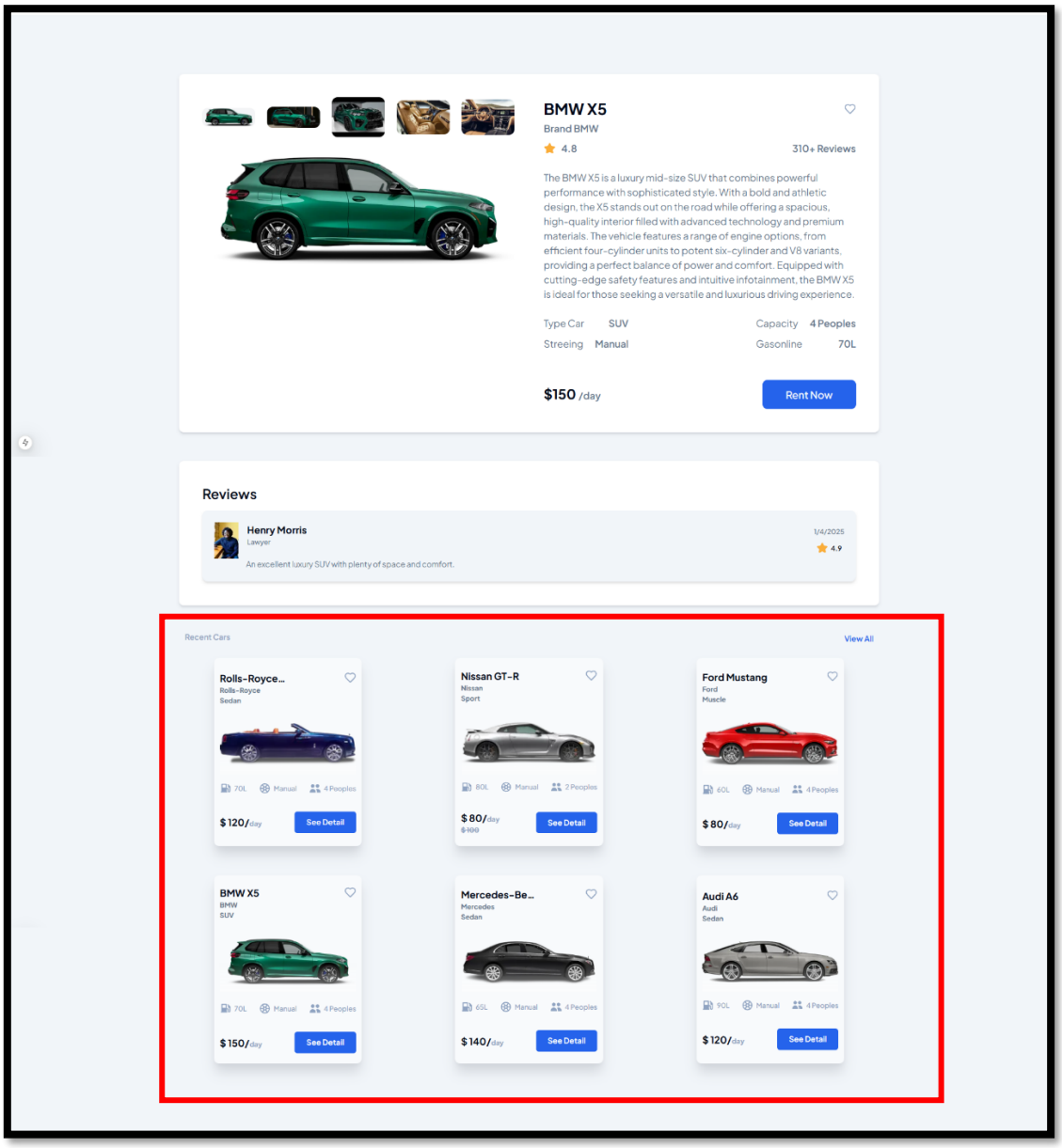

MORENT
Search something here
TYPE
Sport
SUV
Sedan
Hatchback
Muscle
CAPACITY
2 Peoples
4 Peoples
6 Peoples
8 or More
PRICE
Max. $200.00
Pick-Up
Location
Date
Time
Drop-Off
Rolls-Royce...
Rolls-Royce
Sedan
$120/day
Rent Now
Mercedes-Be...
Mercedes
Sedan
$140/day
Rent Now
Audi A6
Audi
Sedan
$120/day
Rent Now
Tesla Model 3
Tesla
Sedan
$110/day
Rent Now


MORENT
Search something here
TYPE
Sport
SUV
Sedan
Hatchback
Muscle
CAPACITY
2 Peoples
4 Peoples
6 Peoples
8 or More
PRICE
Max. $200.00
Pick-Up
Location
Date
Time
Drop-Off
Rolls-Royce...
Rolls-Royce
Sedan
$120/day
Rent Now
Ford Mustang
Ford
Muscle
$80/day
Rent Now
BMW X5
BMW
SUV
$150/day
Rent Now
Mercedes-Be...
Mercedes
Sedan
$140/day
Rent Now
Audi A6
Porsche 911
Porsche
SUV
Chevrolet...
Chevrolet
SUV
Nissan Altima
Nissan
SUV

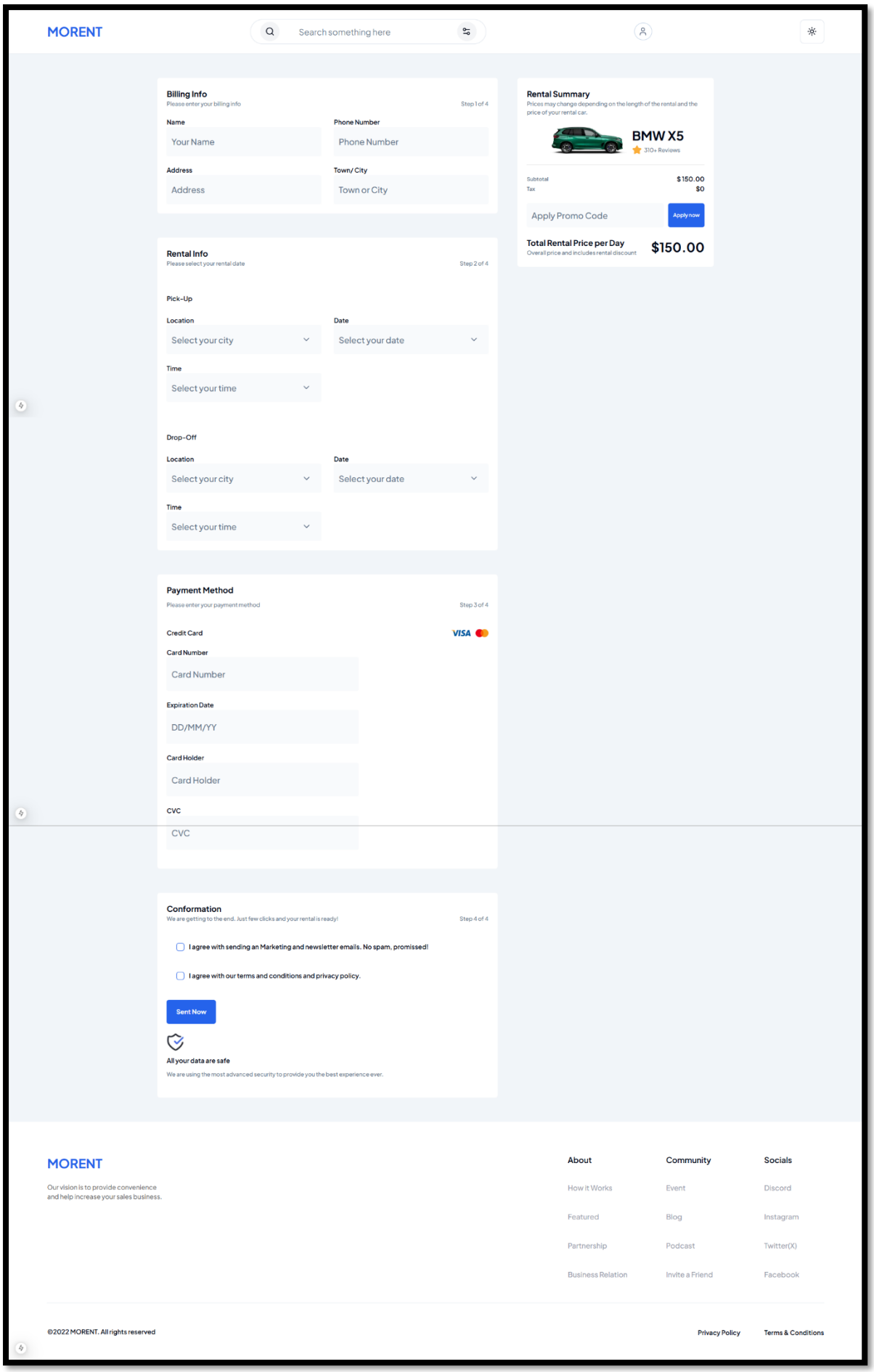

MORENT
Search something here
TYPE
Sport
SUV
Sedan
Hatchback
Muscle
CAPACITY
2 Peoples
4 Peoples
6 Peoples
8 or More
PRICE
Max. $100.00
Pick-Up
Location
Date
Time
Drop-Off
Nissan GT-R
Nissan
Sport
$80/day
Rent Now
Ford Mustang
Ford
Muscle
$80/day
Rent Now
All New Terios
Terios
SUV
$74/day
Rent Now
Koenigsegg
Koenigsegg
Sport
$99/day
Rent Now
Nissan GT-R...
Nissan Altima
Nissan
CR-V
Honda
MG ZX Exclusive
MG

4) Reviews and Rating

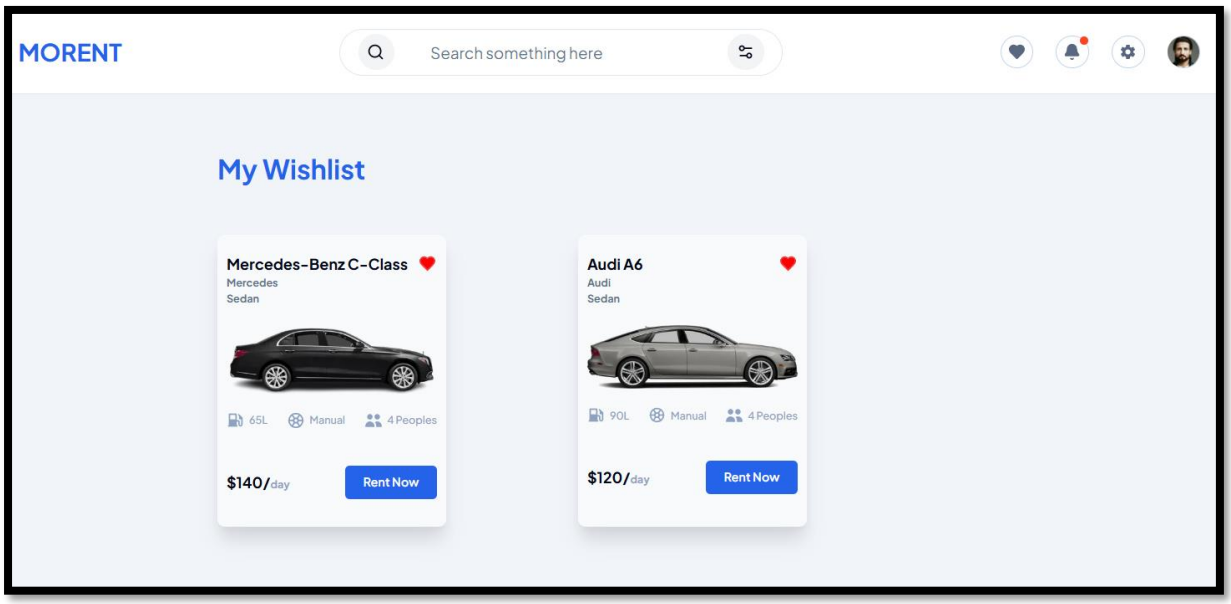
5) Recent Cars



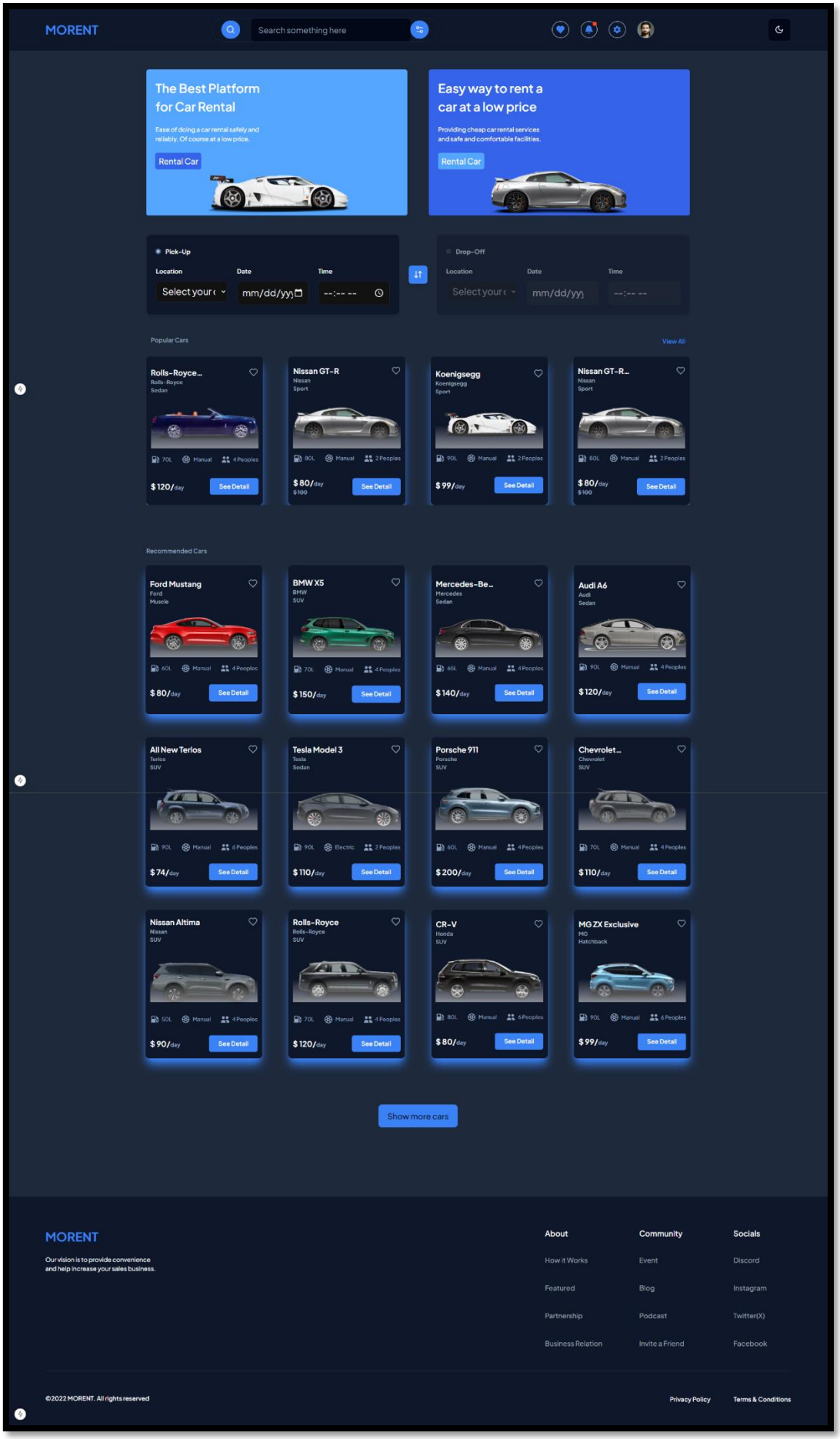
6) Payment Page



7) Wishlist


MORENT
Search something here
My Wishlist
Mercedes-Benz C-Class
Mercedes
Sedan
65L
Manual
4 Peoples
$140/day
Rent Now
Audi A6
Audi
Sedan
90L
Manual
4 Peoples
$120/day
Rent Now

8) Dark Mode


MORENT
Search something here
The Best Platform for Car Rental
Ease of doing a car rental safely and reliably. Of course at a low price.
Rental Car
Easy way to rent a car at a low price
Providing cheap car rental services and safe and comfortable facilities.
Rental Car
Pick-Up
Location
Date
Time
Select your
mm/dd/yyyy
Drop-Off
Popular Cars
View All
Rolls-Royce...
Nissan GT-R
Koenigsegg
Nissan GT-R...
$120/day
$80/day
$99/day
$80/day
See Detail
Recommended Cars
Ford Mustang
BMW X5
Mercedes-Be...
Audi A6
$80/day
$150/day
$140/day
$120/day
All New Terios
Tesla Model 3
Porsche 911
Chevrolet...
$74/day
$110/day
$200/day
$110/day
Nissan Altima
Rolls-Royce
CR-V
MG ZX Exclusive
$90/day
$120/day
$80/day
$99/day
Show more cars
MORENT
Our vision is to provide convenience and help increase your sales business.
About
How it Works
Featured
Partnership
Business Relation
Community
Event
Blog
Podcast
Invite a Friend
Socials
Discord
Instagram
Twitter(X)
Facebook
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Privacy Policy
Terms & Conditions

II. Code Deliverables

1) Car Component

```tsx
'use client';

import React, { useEffect, useState } from 'react';
import Popular_Cars from './interface';
import { client } from '@/sanity/lib/client';
import { Button } from './ui/button';
import Image from 'next/image';
import { RiGasStationFill } from 'react-icons/ri';
import { TbWheel } from 'react-icons/tb';
import { HiUsers } from 'react-icons/hi';
import Link from 'next/link';
import { Heart } from 'lucide-react';

// Fetching popular cars data
async function getData() {
  const query = `
    *[_type == "car" && tags == "popular"] {
        _id,
        name,
        "tags": tags,
        "slug": slug.current,
        "image": images[0].asset->url,
        rent,
        previousRent,
        "steering": steering,
        "personCapacity": personCapacity,
        "carType": carType,
        gasoline,
        rating,
        "ratingCount": ratingCount,
        brand,
    }
  `;
  const data = await client.fetch(query);
  return data;
}

export default function PopularCars() {
  const [data, setData] = useState<Popular_Cars[]>([]);
```

2) Dynamic Car Detail Page

app > categories > cars > [slug] > page.tsx > getData > query

```tsx
'use client';

import Comments from '@/components/Comments';
import ImageGallery from '@/components/ImageGallery';
import { CarDetailPage } from '@/components/interface';
import RecentCar from '@/components/RecentCars';
import { Button } from '@/components/ui/button';
import { client } from '@/sanity/lib/client';
import { Heart, Star } from 'lucide-react';
import Link from 'next/link';
import React, { useEffect, useState } from 'react';

async function getData(slug: string) {
    const query = `
    *[_type == "car" && slug.current == "${slug}"] [0] {
        _id,
        name,
        "tags": tags,
        "slug": slug.current,
        "images": images[].asset->url,
        rent,
        previousRent,
        "steering": steering,
        "personCapacity": personCapacity,
        "carType": carType,
        gasoline,
        rating,
        "ratingCount": ratingCount,
        brand,
        description,
    }
    `;
    const data = await client.fetch(query);
    return data;
}

// Define the type for the params
    interface Params {
    slug: string;
    }
```

3) Payment Page Car Detail

app > payment > [_id] > page.tsx > Payment

```tsx
import { Button } from "@/components/ui/button";
import { Checkbox } from "@/components/ui/checkbox";
import { Input } from "@/components/ui/input";
import { ChevronDown, Star } from "lucide-react";
import Image from "next/image";
import React from "react";
import {PaymentPage} from '../../../components/interface'
import { client } from "@/sanity/lib/client";

async function getData(_id:string){
    const query = `
    *[_type == "car" && _id == "${_id}"] [0] {
    _id,
    name,
    rent,
    rating,
    ratingCount,
    previousRent,
    "image":images[0].asset->url
    }
    `
    const data = await client.fetch(query);
    return data;
}

export default async function Payment({params}:{params:Promise<{_id:string}>}) {
    const resolvedParams = await params
    const {_id} =resolvedParams
    const data:PaymentPage = await getData(_id);
  return (
    <div className=" max-w-[1440px] mx-auto ">
        {/* Whole */}
        <div className="py-10 lg:px-4 px-2 flex justify-center lg:items-start items-center lg:gap-8 gap-4 lg:flex-row flex-col-reverse">
            {/* Left */}
            <div className="max-w-full lg:max-w-[852px] h-auto  ">
            {/* Billing Info */}
            <div className="bg-background dark:bg-background lg:p-4 p-3 rounded">···
```