Day-4: Building Dynamic Frontend Components for My Marketplace

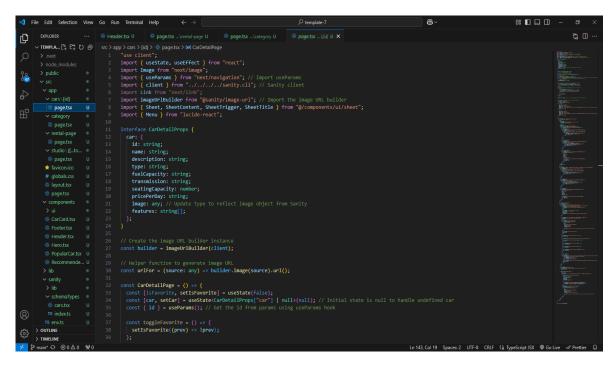
1. Reusable Car Card Component

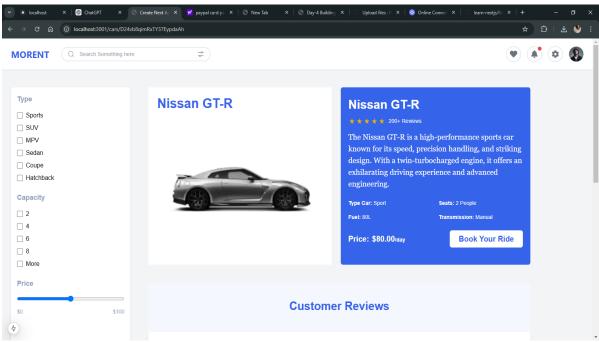
- Created a reusable car card component to display car listings uniformly across the application.
- The component dynamically adjusts to show various car details, including name, type, price, image, and additional specifications.

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2. Dynamic Car Detail Page

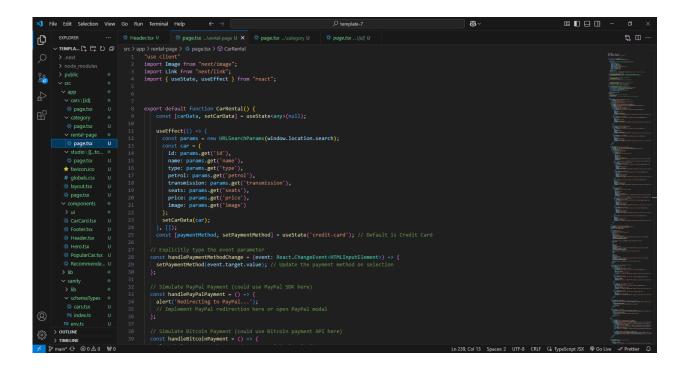
- Developed a fully dynamic car detail page that displays specific details of the selected car.
- Ensured that clicking any car redirects users to a detail page showing information such as car name, type, price, transmission, fuel type, seats, and image.

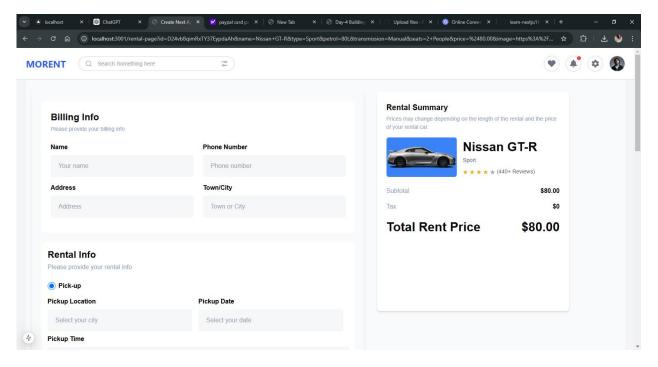




3. Dynamic "Rent Now" Button

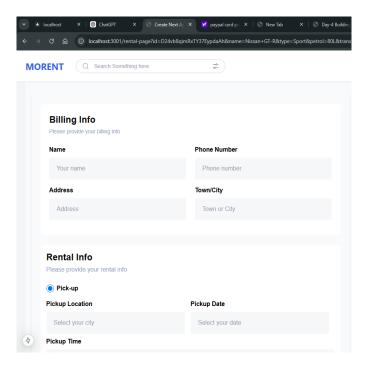
- Integrated a dynamic "Rent Now" button on the car detail page.
- Clicking the button displays the car's price and a checkout form for booking.





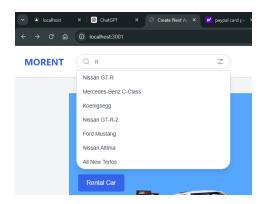
4. Checkout Form with Validation

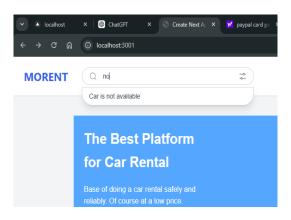
- Designed a user-friendly checkout form to collect customer details during the booking process.
- Added validation to ensure that all required fields are filled before proceeding, enhancing data accuracy and user experience.



5. Search Bar Functionality

- Implemented a search bar to allow users to find cars by their name.
- Clicking the search result navigates users to the corresponding car detail page.
- Added an error message ("Car is not available") for cases where the entered car name does not match any record.





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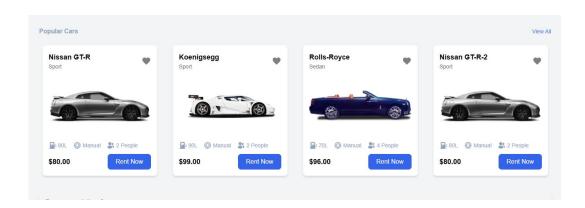
                                      import Link from "next/link";
import Image from "next/image";
                                11 const Header = () => {
                                        const [cars, setCars] = useState(any[]>([]);
const [filteredCars, setFilteredCars] = useState(any[]>([]);
                                         const [showSuggestions, setShowSuggestions] = useState(false);
                                         const router = useRouter():
                                         useEffect(() => {
                                           setCars(carData);
setFilteredCars(carData);

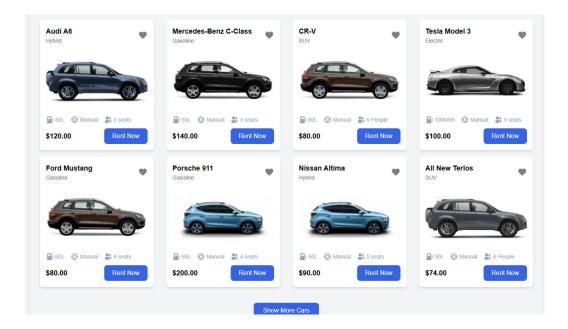
★ favicon.ico

         # globals.css
                                           fetchCars();
                                           setSearchTerm(searchTerm);
                                           setShowSuggestions(!!searchTerm);
                                          const filtered = cars.filter((car) =>
    car.name.toLowerCase().includes(searchTerm)
         PopularCar.tsx U
                                           setFilteredCars(filtered);
                                         setSearchTerm(''); // Clear the search input
setShowSuggestions(false); // Hide the dropdow
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6. Fully Dynamic "Popular Cars" and "Recommended Cars" Components

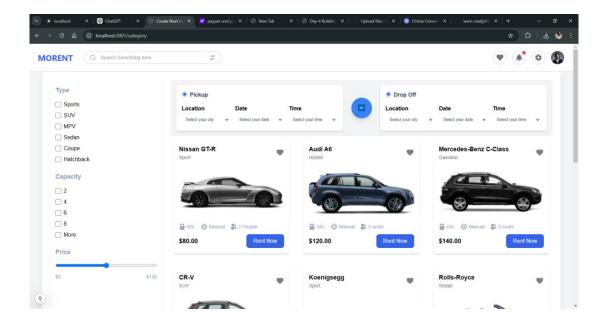
- Developed a "Popular Cars" component to display a list of cars tagged as popular.
- Created a "Recommended Cars" component for displaying a curated selection of recommended vehicles.
- Both components are fully dynamic, ensuring that clicking any car in these sections takes the user to its respective detail page.





7. Dynamic Category Page

- Built a category page that shows all the cars in my sanity with the functionality of show more and show less button.
- Clicking on any car in a category redirects users to the respective car detail page dynamically.



Conclusion

We have successfully developed our marketplace with the following key components:

- A reusable car card component used across multiple sections.
- Fully dynamic "Popular Cars" and "Recommended Cars" components for specialized car listings.
- A dynamic car detail component displaying individual car information.
- A fully dynamic rental page with a validated checkout form.
- A search bar component with error handling for unavailable car searches.
- A category page which show all the available cars.

This comprehensive development ensures an intuitive and seamless user experience across all pages of the marketplace.