

Day 4

Building Dynamic Frontend Components Of

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Overview

This website is designed to streamline the car rental process with user-friendly components and secure payment options. It includes dynamic and interactive features to ensure a smooth experience for users.

Features

1. Date & Time Selection

Users can select their desired pickup and drop-o dates and times. The component validates the input to ensure logical selections (e.g., drop-o cannot be earlier than pickup).

2. Location Selection

A dynamic location selection feature lets users choose pickup and drop-o locations. Locations are updated dynamically based on the user's preferences or availability.

3. Dynamic Comments

Users can add comments or notes related to their booking, such as special requests or preferences.

The comments are saved dynamically and tied to the user's session.

4. Payment Integration

The website integrates **Stripe** for secure and seamless payment processing.

Users can add their card details and pay directly on the website.

The system handles all payment-related errors and ensures security compliance.

5. Add to Cart

- Users can add car rentals to a cart before proceeding to checkout.
- The cart dynamically updates with the total cost based on selected dates, locations, and any additional services.

Key Technologies

- **Frontend:** *Next.js*
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- **Payment Gateway:** Stripe API.

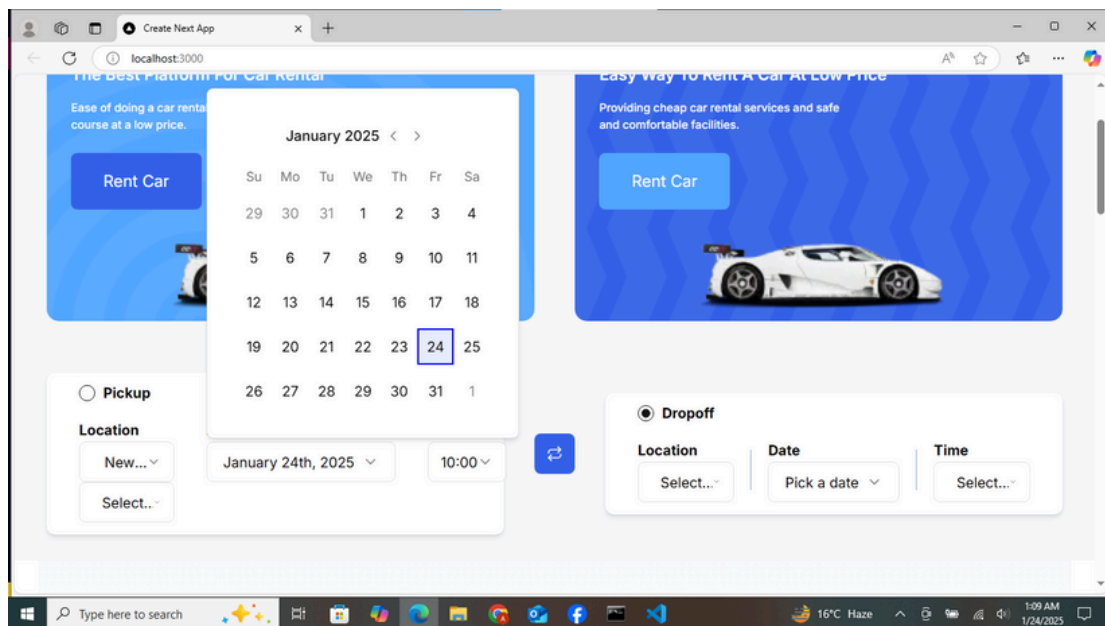
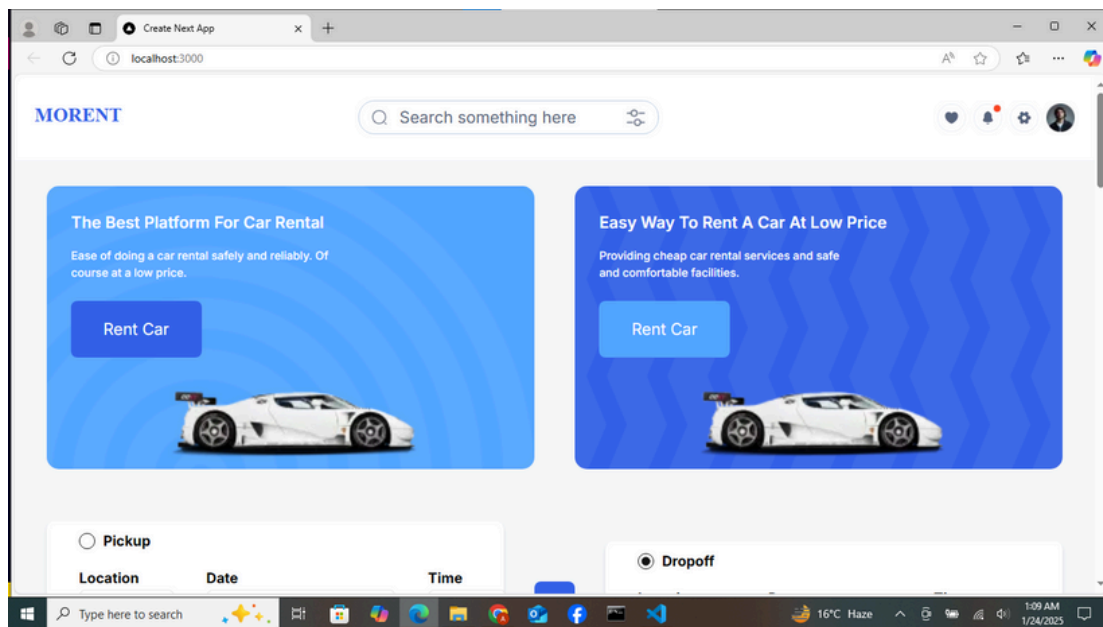
Dynamic Features

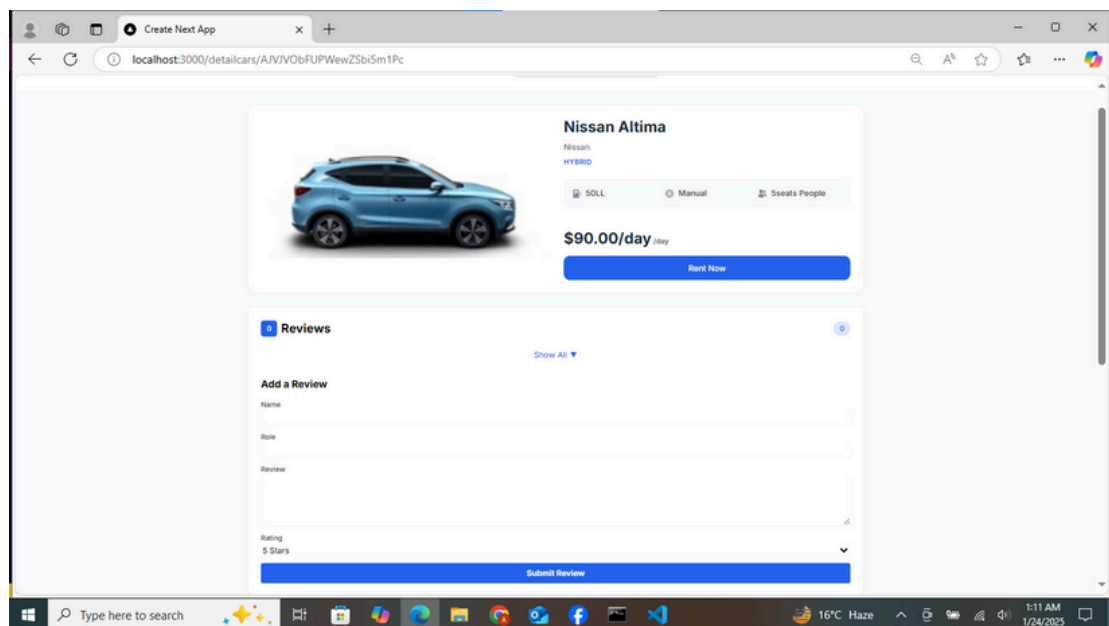
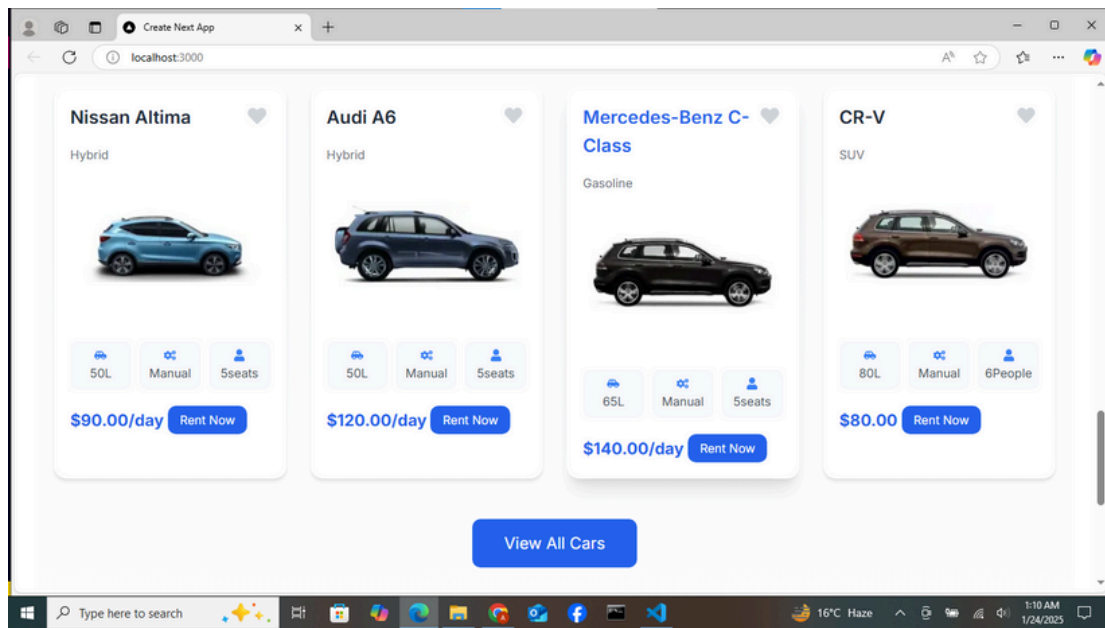
- **Real-Time Updates:** Any changes in the date, time, location, or cart are reflected immediately without requiring a page refresh.
- **Error Handling:** Proper messages for invalid inputs (e.g., incorrect dates or payment errors).

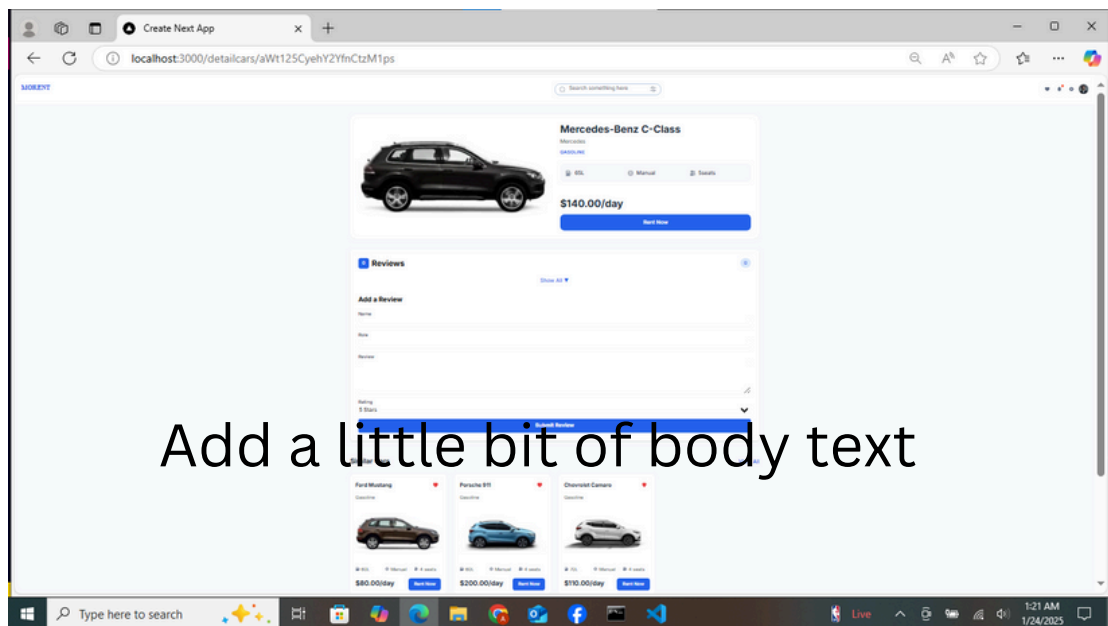
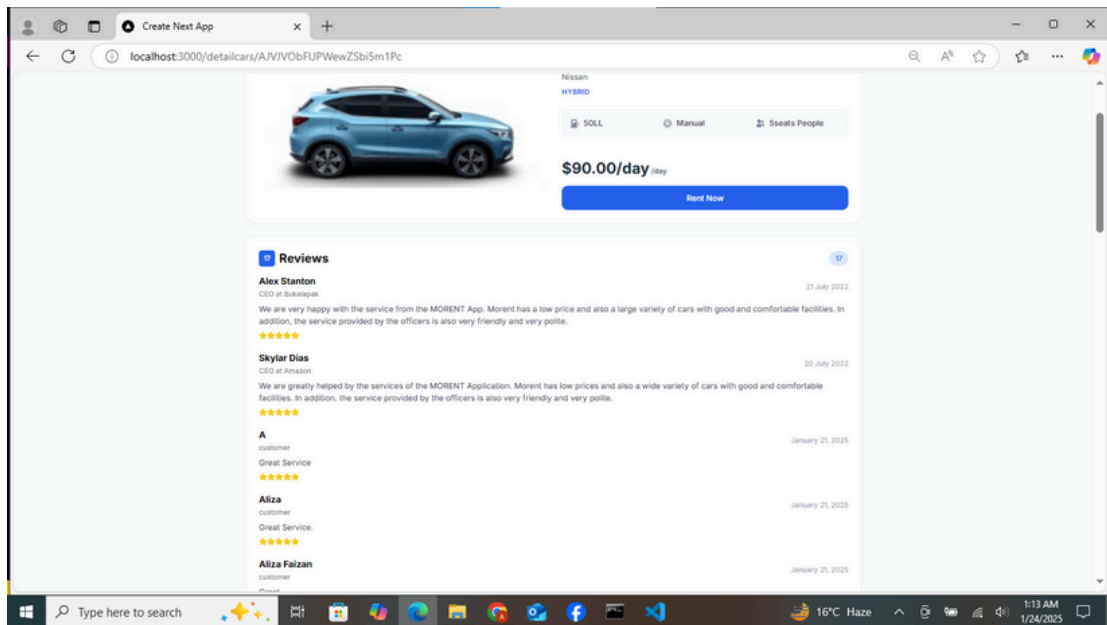
Future Enhancements

- **User Authentication:** Add login and signup functionality to save user preferences.
- **Reviews System:** Allow users to leave feedback about their rental experience.
- **Mobile Optimization:** Ensure a smooth user experience on mobile devices.

Let me know if you'd like to expand on any section or add more details!







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