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Car Rental Website Documentation

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-off dates and times.
- The component validates the input to ensure logical selections (e.g., drop-off cannot be earlier than pickup).

2. Location Selection

- A dynamic location selection feature lets users choose pickup and drop-off 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!





