Case Study Actors-Use Cases text summary

# Actors:

1. **Customer**: A person who wants to hire a car.
2. **Admin**: A person who manages the fleet of cars and handles bookings.
3. **System**: The car hire system itself.
4. **Maintenance Staff**: A person who is responsible for the maintenance and repair of the cars.
5. **Accountant**: A person who manages the financial transactions of the company.

# Use Cases:

## For the Customer actor:

1. **View Available Cars**: The customer views the list of available cars for hire.
2. **Book a Car**: The customer selects a car and books it for a certain period.
3. **Return a Car**: After the hire period, the customer returns the car.
4. **Extend Booking**: If needed, the customer can extend the booking for a few more days.

## For the Admin actor:

1. **Add a Car to the Fleet**: The admin can add a new car to the fleet.
2. **Remove a Car from the Fleet**: The admin can remove a car from the fleet.
3. **Manage Bookings**: The admin can view all bookings, and mark a booking as returned when a car is returned.

## For the System actor:

1. **Update Car Status**: After a car is returned or repaired, the system updates the status of the car.
2. **Calculate Rental Price**: The system calculates the rental price based on the number of days a car is booked.
3. **Booking Confirmation Message**: After a booking is made, the system sends a booking confirmation to the customer.
4. **Send Car Return Reminder**: The system sends a reminder to the customer when the return date of the booked car is near.
5. **Send Invoice to Customer**: The system sends the generated invoice to the customer.
6. **Record Booking History**: The system generates and records a booking history for each customer, which can be used for future reference.

## For the Maintenance Staff actor:

1. **Inspect Car**: The maintenance staff inspects a car for any damages or issues.
2. **Repair Car**: If any issues are found during the inspection, the maintenance staff repairs the car.
3. **Update Car Status**: After the repair, the maintenance staff updates the status of the car in the system.

## For the Accountant actor:

1. **Record Transaction**: The accountant records every transaction made by the customers.
2. **Generate Financial Report**: The accountant generates a financial report detailing the income and expenses of the company.
3. **Manage Invoices**: The accountant manages the invoices generated by the system and ensures they are sent to the customers.