Use Case Description Document
On
"Rent A Car - a Car Rental Management system"

Project Team members:

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Use Case Number: 1	Car Rental Company Owners/Managers Management
Brief Description:	Car rental company owners and managers are responsible for overseeing all aspects of the rental operation, including managing interactions with the rental system.
Actors:	Owner or managers of Car Rental Company
Preconditions:	The system is running, and managers are logged in as authorized users, with an active fleet of rental cars available.

User Actions:	System Actions:
1. Manage car inventory.	1. Add, update, delete car inventory based on user's actions.
2. View financial reports and performance metrics.	2. Select financial reports and display.
3. Set rental pricing and discounts.	3. Apply pricing and discounts as set by managers.
4. Monitor reviews from customers.	4. Provide access to the feedbacks of customers.

Postconditions:	Any reflection in the system should be done by car owner/managers.
Business Rule:	Only authorized personal will get the access for manipulation.

Use Case Number: 2	Front Desk and Reservations Management	
Brief Description:	This use case involves front desk staff interacting with the car rental system to manage reservations and customer inquiries	
Actors:	Front Desk Staff	
Preconditions:	Front desk staff need to login and they can see the available cars.	
User Actions:		**System Actions:**
1. Check availability of car for a specific date.		1. Display available car information.
2. Manage reservations.		2. Update car reservations based on user actions.
3. Verify customer identification and driver's license.		3. Store customer identification and license details.
4. Front staff provides car rental terms and conditions documents.		4. System will generate rental terms and condition documents and provide those to users.
Postconditions:	Customer details and reservation updates need to store.	
Business Rule:	Front desk staffs that are authorized can access the reservation related task.	

Use Case Number: 3	Fleet Management	
Brief Description:	This use case covers interactions between fleet managers and the car rental system to manage the rental car fleet.	
Actors:	Fleet Managers	
Preconditions:	Fleet managers need to log in the system and they can see the available cars.	
User Actions:		**System Actions:**
1. View the status of the entire rental car fleet.		1. Select and display the car rental fleet..
2. Car maintenance and inspections is scheduled.		2. Plan maintenance and inspections as requested.
3. Manage car information.		3. based on manager's action car information is updated.
4. Remove cars from the fleet.		4. Manage car decommissioning process by soft delete from the system.
Postconditions:	Fleet information is updated to include maintenance schedules and car decommissioning details.	
Business Rule:	Fleet managers who are authorize only they can access this feature.	

Use Case Number: 4	Payment and Billing Management	
Brief Description:	This use case involves interactions for handling billing and payment processing for car rentals.	
Actors:	Customer, Front Desk Staff	
Preconditions:	Customer must have to rent a car.	
User Actions:		**System Actions:**
1. Generate the final bill.		1. System should calculate the final bill based on rent details and other processing fees.
2. Pay bill through different payment methods.		2. System should complete payment through different payment methods.
3. User payment inquiries.		3. Select payment details and display to users.
Postconditions:	Payments are completed and customers get the receipts.	
Business Rule:	Only authorized users can access this feature.	

Use Case Number: 5	Risk and Security Management	
Brief Description:	This use case involves risk and security managers interacting with the car rental system to ensure comprehensive security and data consistency	
Actors:	Risk and Security Managers	
Preconditions:	User should log in based on role.	
User Actions:		**System Actions:**
1. Suspicious activities are monitored by using system logs.		1. Provide access to system logs for review.
2. Security protocols can be reviewed and enforced.		2. System should implement and enforce security measures.
3. Investigate and respond to security incidents.		3. System should provide necessary information for incident investigation.
4. Set access levels and permissions for users.		4. System should implement authorization and authentication.
Postconditions:	Security protocols are implemented, and incidents are promptly addressed and documented.	
Business Rule:	Only authorized user can get access.	

Use Case Number: 6	Business Intelligence Management	
Brief Description:	This use case involves business analysts interacting with the car rental system to gather insights and analyze data for decision-making.	
Actors:	Business Analyst	
Preconditions:	User should log in to the system.	
User Actions:		**System Actions:**
1. Generate reports on rental trends and performance.		1. Select rental data and generate report to display.
2. Analyze customer feedback and reviews.		2. Select customer feedback and display to users.
3. Get data for future analysis and improvement.		3. Select data and display for future decision making.
Postconditions:	Business analysts should have the necessary data for decision-making.	
Business Rule:	Only authorized analyst can access this feature.	