

Section	Description
UC Name	Process Payments
Summary	The use case involves accepting and processing payments for rental services.
Dependency	Depends on a rental management system or platform for transaction handling.
Actors	Rental Agent, Customer
Preconditions	1. Customer selects rental services.
	2. Rental agent has access to payment system.
Description of Main Sequence	1. Rental agent initiates payment process.
	2. System prompts for payment details.
	3. Rental agent enters payment details.
	4. System verifies and processes payment.
	5. Booking status updated to paid.
	6. Payment confirmation generated.
Description of Alt. Sequence	If payment fails:
	1. System notifies rental agent.

	2. Rental agent informs customer.
Non-functional requirements	Security, Reliability, Performance, Scalability.
Postconditions	1. Payment processed and recorded.
	2. Booking status updated.
	3. Payment confirmation provided to customer.
	4. Failure: Notifications and resolution steps taken.

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Section	Description
UC Name	Access Customer Information
Summary	The use case involves the rental agent accessing customer information.
Dependency	Depends on a rental management system or database with customer records.
Actors	Rental Agent
Preconditions	1. Rental agent has access rights to customer information.
Description of Main Sequence	1. Rental agent logs into the rental management system.
	2. System authenticates the agent's credentials.

	3. Agent navigates to the customer information section.
	4. System displays customer details based on search or selection.
Description of Alt. Sequence	If authentication fails:
	1. System denies access and notifies the agent.
Non-functional requirements	Security, Access Control, User Interface.
Postconditions	1. Rental agent successfully views customer information.
	2. System logs access for audit purposes.

This table provides a structured overview of the "Access Customer Information" use case, including its summary, dependencies, actors, preconditions, main sequence, alternative sequence, non-functional requirements, and postconditions.

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Section	Description
UC Name	Check Car Location through GPS
Summary	The use case involves the rental agent checking the location of a car using GPS.
Dependency	Depends on a GPS-enabled tracking system integrated with the rental platform.
Actors	Rental Agent

Preconditions	1. Rental agent has access to the GPS tracking feature.
	2. The car being checked has GPS tracking enabled.
Description of Main Sequence	1. Rental agent logs into the rental management system.
	2. Agent navigates to the car location tracking section.
	3. System retrieves real-time GPS data for the selected car.
	4. Agent views the car's current location on a map interface.
Description of Alt. Sequence	If GPS data is unavailable:
	1. System notifies the agent about the unavailability of GPS data.
Non-functional requirements	Real-time tracking, GPS Integration, User Interface.
Postconditions	1. Rental agent successfully views the car's location on the map.
	2. System logs the access and retrieval of GPS data for audit purposes.

This table outlines the key aspects of the "Check Car Location through GPS" use case, including its summary, dependencies, actors, preconditions, main sequence, alternative sequence, non-functional requirements, and postconditions.

Section	Description
UC Name	Rental Agent: Check-In/Check-Out Cars
Summary	The use case involves the rental agent performing check-in or check-out operations for cars.
Dependency	Depends on a rental management system with check-in/check-out functionality.
Actors	Rental Agent, Customer
Preconditions	1. Rental agent has access to the check-in/check-out feature.
	2. Customer's rental agreement is valid and active.
Description of Main Sequence	1. Rental agent logs into the rental management system.
	2. Agent selects the check-in or check-out option.
	3. System prompts for rental agreement or car details.
	4. Agent verifies customer information and car condition.
	5. For check-out: Agent updates rental status and generates documentation.
	6. For check-in: Agent updates rental status, inspects car, and logs damages if any.
Description of Alt. Sequence	If rental agreement is invalid or car condition is unacceptable:
	1. System notifies the agent and prompts for corrective actions.

Non-functional requirements	User Interface, Data Integrity, Documentation Generation.
Postconditions	1. Rental agent successfully completes check-in or check-out process.
	2. System updates rental status and records transaction details.

This table outlines the key aspects of the "Rental Agent: Check-In/Check-Out Cars" use case, including its summary, dependencies, actors, preconditions, main sequence, alternative sequence, non-functional requirements, and postconditions.

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Section	Description
UC Name	Rental Agent: Manage Damage Reports
Summary	The use case involves the rental agent managing and processing damage reports for rental cars.
Dependency	Depends on a rental management system with damage reporting and management features.
Actors	Rental Agent
Preconditions	1. Rental agent has access to the damage report management feature.
	2. Customers can submit damage reports for rental cars.
Description of Main Sequence	1. Rental agent logs into the rental management system.
	2. Agent navigates to the damage reports section.

	3. System displays a list of pending damage reports.
	4. Agent reviews details of each damage report (e.g., photos, descriptions).
	5. Agent assigns actions (e.g., repair, inspection) and updates report status.
Description of Alt. Sequence	If no pending damage reports are available:
	1. System notifies the agent about the absence of pending damage reports.
Non-functional requirements	User Interface, Damage Report Processing, Data Integrity.
Postconditions	1. Rental agent successfully manages and processes damage reports.

This table outlines the key aspects of the "Rental Agent: Manage Damage Reports" use case, including its summary, dependencies, actors, preconditions, main sequence, alternative sequence, non-functional requirements, and postconditions.

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Section	Description
UC Name	Rental Agent: Notify Customers of Updates
Summary	The use case involves the rental agent notifying customers about updates or changes in rental services.
Dependency	Depends on a communication system integrated with the rental management system.

Actors	Rental Agent, Customer
Preconditions	1. Rental agent has access to the notification feature.
	2. Customers have opted to receive notifications.
Description of Main Sequence	1. Rental agent logs into the rental management system.
	2. Agent selects the notification option.
	3. System provides a list of updates or changes to be notified.
	4. Agent selects the customers to notify.
	5. System sends notifications to selected customers via preferred channels.
Description of Alt. Sequence	If notification sending fails:
	1. System logs the failure and prompts for retry or alternative action.
Non-functional requirements	Communication Channels, Notification Delivery, Data Integrity.
Postconditions	1. Rental agent successfully notifies customers of updates.
	2. System logs the notification details for audit purposes.

This table outlines the key aspects of the "Rental Agent: Notify Customers of Updates" use case, including its summary, dependencies, actors, preconditions, main sequence, alternative sequence, non-functional requirements, and postconditions.