Section	Description
UC Name	Customer: Browse and Filter Available Cars
Summary	The use case involves the customer browsing and filtering available cars in the rental system.
Dependency	Depends on a rental management system with car listing and filtering features.
Actors	Customer
Preconditions	1. Customer has access to the car browsing and filtering feature.
	2. The rental system has a database of available cars with filtering options.
Description of Main Sequence	1. Customer logs into the rental system.
	2. Customer navigates to the car browsing section.
	3. Customer applies filters (e.g., type of car, price range, location).
	4. System retrieves and displays available cars based on applied filters.
Description of Alt. Sequence	If no cars match the applied filters:
	1. System notifies the customer about the lack of matching cars.

Non-functional requirements	User Interface, Search and Filter Performance, Data Accuracy.
Postconditions	1. Customer successfully browses and filters available cars.
	2. System displays accurate and relevant car listings based on filters.

This table outlines the key aspects of the "Customer: Browse and Filter Available Cars" use case, including its summary, dependencies, actors, preconditions, main sequence, alternative sequence, non-functional requirements, and postconditions

8

Section	Description
UC Name	Customer: Select a Car and Make a Reservation
Summary	The use case involves the customer selecting a car from available options and making a reservation for it.
Dependency	Depends on a rental management system with car listing, reservation, and booking features.
Actors	Customer
Preconditions	1. Customer has access to the car selection and reservation feature.
	2. There are available cars in the rental system for reservation.

Description of Main Sequence	**1. Customer logs into the rental system.**
	2. Customer browses available cars and selects one.
	3. Customer reviews car details and availability.
	4. Customer chooses reservation dates and times.
	5. System confirms reservation and updates car availability.
Description of Alt. Sequence	**If selected car is no longer available:**
	1. System notifies the customer about unavailability and suggests alternatives.
Non-functional requirements	**User Interface, Reservation Processing, Data Integrity.**
Postconditions	**1. Customer successfully selects a car and makes a reservation.**
	2. System updates car availability and reserves the selected car for the customer.

This table outlines the key aspects of the "Customer: Select a Car and Make a Reservation" use case, including its summary, dependencies, actors, preconditions, main sequence, alternative sequence, non-functional requirements, and postconditions.

Section	Description
UC Name	Customer: Cancel Reservation
Summary	The use case involves the customer canceling a previously made car reservation.
Dependency	Depends on a rental management system with reservation and cancellation features.
Actors	Customer
Preconditions	1. Customer has an existing reservation in the rental system.
	2. The reservation cancellation policy allows customers to cancel reservations.
Description of Main Sequence	1. Customer logs into the rental system.
	2. Customer navigates to the reservation section.
	3. Customer selects the reservation to cancel.
	4. System confirms cancellation request and updates reservation status.

Description of Alt. Sequence	**If cancellation request is not allowed or fails:**
	1. System notifies the customer about the cancellation status.
Non-functional requirements	**User Interface, Reservation Cancellation, Data Integrity.**
Postconditions	**1. Customer successfully cancels the reservation.**
	2. System updates reservation status to reflect cancellation.

This table outlines the key aspects of the "Customer: Cancel Reservation" use case, including its summary, dependencies, actors, preconditions, main sequence, alternative sequence, non-functional requirements, and postconditions.

10

Section	Description
UC Name	Customer: View Car Specifications
Summary	The use case involves the customer viewing the specifications of a car in the rental system.
Dependency	Depends on a rental management system with detailed car information.
Actors	Customer

Preconditions	1. Customer has access to the car specifications viewing feature.
	2. The rental system contains detailed car specifications.
Description of Main Sequence	1. Customer logs into the rental system.
	2. Customer navigates to the car specifications section.
	3. Customer selects a car to view specifications.
	4. System retrieves and displays car specifications to the customer.
Description of Alt. Sequence	If selected car's specifications are unavailable:
	1. System notifies the customer about the unavailability of specifications.
Non-functional requirements	User Interface, Car Information Retrieval, Data Accuracy.
Postconditions	1. Customer successfully views the car specifications.

This table outlines the key aspects of the "Customer: View Car Specifications" use case, including its summary, dependencies, actors, preconditions, main sequence, alternative sequence, non-functional requirements, and postconditions.

Section	Description
UC Name	Customer: View Rental History
Summary	The use case involves the customer viewing their rental history in the rental system.
Dependency	Depends on a rental management system with a history tracking feature.
Actors	Customer
Preconditions	1. Customer has access to the rental history viewing feature.
	2. The rental system tracks and stores rental history for customers.
Description of Main Sequence	1. Customer logs into the rental system.
	2. Customer navigates to the rental history section.
	3. System retrieves and displays the customer's rental history.
Description of Alt. Sequence	If rental history is empty or unavailable:
	1. System notifies the customer about the absence or unavailability of rental history.
Non-functional requirements	User Interface, Rental History Retrieval, Data Integrity.
Postconditions	1. Customer successfully views their rental history.

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

12

Section	Description
UC Name	Customer: Provide Feedback and Ratings
Summary	The use case involves the customer providing feedback and ratings for their rental experience.
Dependency	Depends on a rental management system with a feedback and rating submission feature.
Actors	Customer
Preconditions	1. Customer has completed a rental transaction.
	2. The rental system has a feedback and rating submission feature.
Description of Main Sequence	1. Customer logs into the rental system.
	2. Customer navigates to the feedback and ratings section.
	3. Customer selects the rental transaction to provide feedback for.
	4. Customer provides written feedback and assigns ratings (e.g., star rating).
	5. System records the feedback and ratings provided by the customer.

Description of Alt. Sequence	If feedback submission fails:
	1. System notifies the customer about the failure to submit feedback.
Non-functional requirements	User Interface, Feedback Submission, Data Integrity.
Postconditions	1. Customer successfully provides feedback and ratings for the rental experience.

This table outlines the key aspects of the "Customer: Provide Feedback and Ratings" use case, including its summary, dependencies, actors, preconditions, main sequence, alternative sequence, non-functional requirements, and postconditions.