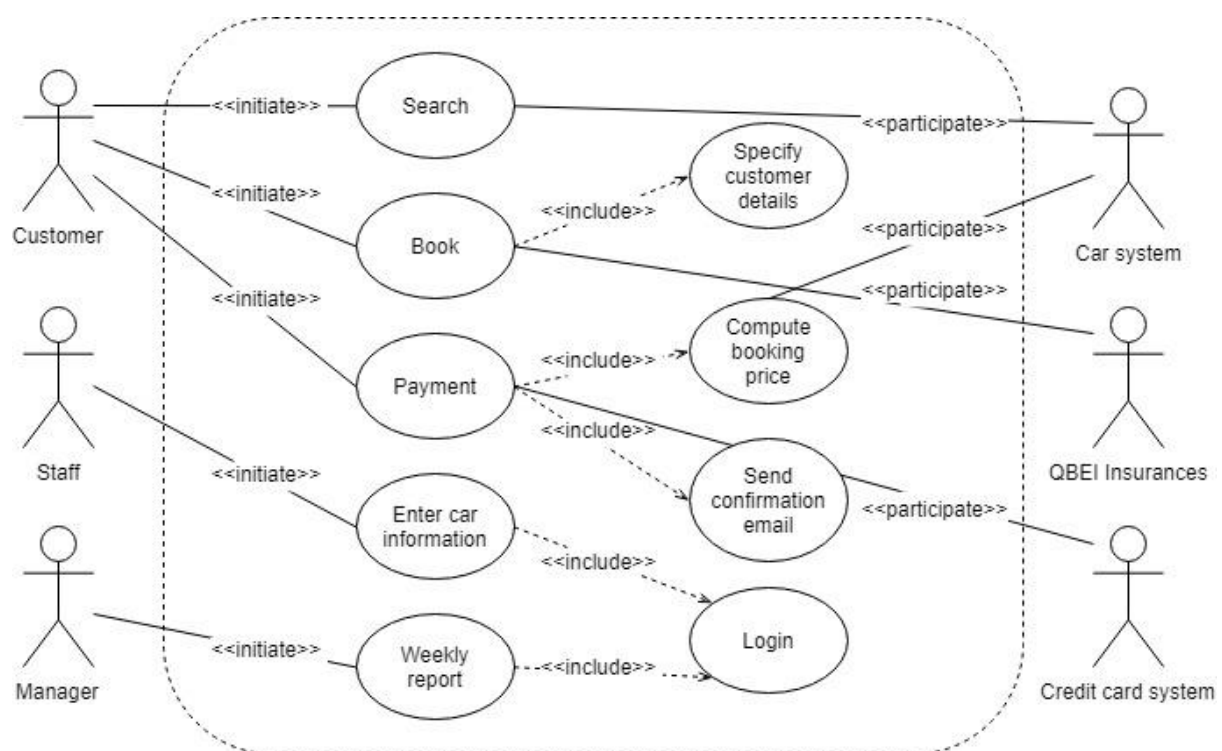# Part 1: Requirements Analysis

Actors and goals:

- Customer - Searches the car system to book and pay for a car to rent
- Staff - Edits the information in the car system
- Manager - Checks all the cars that were rented
- Car system - Allows the customer to find cars matching search criteria, and proceed with booking and paying for a rental car
- QBEI Insurances - Provides optional insurance cover for customer when booking a car

Use Case 1	Search
Description	A customer should be able to search for available cars on the online system for them to rent
Initiating Actor	Customer
Actor's Goal	To search the car system for available cars that match the search criteria
Participating Actors	Car system
Flow of Events for Main Success Scenario	->1. Customer search system and view matching cars -- 2. Search criteria should include age, preferred pick-up and drop-off locations <-3. Search result should include information of the car and price for each day of car rental

Use Case 2	Booking
Description	A customer should be able to book a car to rent after finding the car by searching the online car system
Initiating Actor	Customer
Actor's Goal	To select a car from the available options after searching and proceed to reserve it for themselves
Participating Actors	Car system, QBEI Insurances
Flow of Events for Main Success Scenario	->1. Customer inputs details required for booking: name of customer and age; licence number; rental period in number of days; option to purchase insurance cover and email-address <-2. System should display to the customer a net price of the booking

Use Case 3	Payment
Description	A customer should be able to pay for their booking
Initiating Actor	Customer
Actor's Goal	To provide credit cards details for booking payment
Participating Actors	Car system, Credit card system
Flow of Events for Main Success Scenario	->1. Customer provides credit card details for payment <-2. After payment has been confirmed, email is sent to customer with booking confirmation

Use Case 4	Changing car system information
Description	Staff should be able to change information in the car system
Initiating Actor	Staff
Actor's Goal	To enter new car information into the car system
Participating Actors	Car system
Flow of Events for Main Success Scenario	->1. Staff enters new information into the system -- 2. System should hold the car information: vehicle type, make, model, year and registration <-3. System should display new information to customers and updated information must be used by search criteria

Use Case 5	Weekly report
Description	Manager should be able to see log of cars entered into system
Initiating Actor	Manager
Actor's Goal	To generate weekly reports about rented cars during the week
Participating Actors	Car system
Flow of Events for Main Success Scenario	->1. Manager logins to system and requests report of rental logs <-2. System should display log of all cars rented during the week and all booking details associated with each rental