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| UC Name | *UC#1 -> Sign in* |
| Summary | *Users have the ability to sign in to the system using their credentials.* |
| Dependency | *None* |
| Actors | *All users* |
| Preconditions | *Users must have a valid account existing in the system database.* |
| Description of the Main Sequence | * *Step 1: Go to the sign in page* * *Step 2: Put in your Driver’s License ID and password* * *Step 3: Authentication and sign in process* |
| Description of the Alternative Sequence | * *Step 1: Go to the sign in page* * *Step 2: Put in your username and password* * *Step 3: Authentication and sign in process* |
| Nonfunctional requirements | *The sign in process must be quick and secure, with strong encrypted passwords and safe data storing.* |
| Post conditions | *If the sign In process runs smoothly, users should be brought to the main page of the system.* |

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| UC Name | *UC#2 -> Sign up using DL/ID* |
| Summary | *First time customers can sign up using their ID number or DL number as an identification tool.* |
| Dependency | *None* |
| Actors | *Primary Actors: Customers* |
| Preconditions | *These users must be signing up for the first time.* |
| Description of the Main Sequence | * *Step 1: Customers will go to the main page and click the sign up button* * *Step 2: The system will then ask users for necessary data to login* * *Step 3: System will validate given data to guarantee their accuracy* * *Step 4: User will be logged in the system and will receive credentials via email.* |
| Nonfunctional requirements | *Identification tool must be real and valid.* |
| Post conditions | *If the sign up process runs smoothly, users should be brought to the main page of the system.* |

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| UC Name | *UC#3 -> View reservations* |
| Summary | *Car Maintenance Operator is able to view all car reservations.* |
| Dependency | *UC#1 -> Sign in* |
| Actors | *Primary Actors: Car Maintenance Operator*  *Secondary Actors: Rental Agent, Administrator, Business Owner.* |
| Preconditions | *Car Maintenance Operator should be a valid user signed in the system.* |
| Description of the Main Sequence | * *Step 1: CMO signs in the system* * *Step 2: CMO is brought to the main page on the CMO side* * *Step 3: CMO clicks view reservation to find a list of reserved vehicles* |
| Nonfunctional requirements | *CMO are not able to view sensitive information about customer reservations, such as DL number or ID number,*  *etc.* |
| Post conditions | *Condition that is always true at the end of the use case (from the perspective of this use case) if the main sequence has been followed* |

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| UC Name | *UC#4 -> Report when a car is returned* |
| Summary | *CMO is responsible for reporting when vehicles arrive at dropping point and picking them up.* |
| Dependency | *UC#1 -> Sign in* |
| Actors | *Primary Actors: Car Maintenance Operator* |
| Preconditions | *Car Maintenance Operator should be a valid user signed in the system, and car should be dropped off at specified location.* |
| Description of the Main Sequence | * *Step 1: CMO receives notifications when a car is ready for pick up* * *Step 2: CMO arrives at destination and picks up assigned car* * *Step 3: CMO drives car to another location if needed* * *Step 4: CMO marks car as returned in the system* |
| Description of the Alternative Sequence | * *Step 1: CMO receives notifications when a car is ready for pick up* * *Step 2: Car is already at specified location* * *Step 3: CMO marks car as returned in the system.* |
| Nonfunctional requirements | *CMO should have a valid driver’s license and no fee’s or penalties.* |
| Post conditions | *Vehicle will be marked as returned in the system and will be shown as available for reservation on client’s side.* |

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| UC Name | *UC#5 -> Report damages or fines* |
| Summary | *CMO will check the car after every drop off for any damages or fines and add them in the system.* |
| Dependency | *UC#1 -> Sign in* |
| Actors | *Primary Actors: Car Maintenance Operator* |
| Preconditions | *Car Maintenance Operator should be a valid user signed in the system, and car should be received at given location.* |
| Description of the Main Sequence | * *Step 1: CMO picks up car* * *Step 2: CMO checks car for any damages or fines* * *Step 3: CMO adds them to the system so that the customers pay extra for the damage* * *Step 4: CMO adds a note to customer’s account to make the company aware if customer is a next time client.* |
| Description of the Alternative Sequence | * *Step 1: CMO picks up car* * *Step 2: CMO checks car for any damages or fines* * *Step 3: CMO adds no damages or fines to the system when the car is in the same condition as received.* |
| Nonfunctional requirements | *CMO should take video and photo proof of before and after the car was dropped off and picked up to verify any potential damages.* |
| Post conditions | *Customers that have damaged the cars or received fines will pay a penalty fee to cover expenses and will be marked in the system.* |

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| UC Name | *UC#6 -> Browse and filter available cars* |
| Summary | *Users are able to view a catalog of available vehicles for reservation based on rates, model, mileage, etc.* |
| Dependency | *UC#1 -> Sign In* |
| Actors | *Primary Actor: Customers*  *Secondary Actor: Rental Agent, Administrator, Business Owner* |
| Preconditions | *There should be at least 1 vehicle available for reservation, in order to create a list.* |
| Description of the Main Sequence | * *Step 1: Customer is in the main page of the customer side and they click ”Available Vehicles”* * *Step 2: Customer filters vehicles based on desired filter* * *Step 3: Customer makes a reservation* |
| Description of the Alternative Sequence | * *Step 1: Rental Agent or Admins are in the main page of business side and they click ”Available Vehicles”* * *Step 2: Rental Agent or Admins filter vehicles based on desired filter* * *Step 3: Rental Agent or Admins make reservations for walk in customers* |
| Nonfunctional requirements | *Available cars should contain real data about year of production, engine type, brand, mileage, prior damage and rates that should be visible to customers and updated frequently.* |
| Post conditions | *Reserved cars from both customers and business side will be marked as unavailable and taken of available cars for the specified amount of time+ a waiting time for the payments to process.* |