User Story

1. Front Desk Receptionist

A person who meets a customer who wants to rent or book a car in person.

1. Administrator

A manager of the front desk receptionist.

1. Client

A person who books a car or requests services from the car-rental company

1. Contractor

A person who registers to rent out their car through the car rental company

User story acceptance criteria

1,The user (**Front Desk - receptionist** ) must logged in to the system

A receptionist can manage, reserve/extend a vehicle, and receive a payment

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| Name:    Reserve a Vehicle | | |
| Brief description: This use case allows a client to reserve or rent a vehicle. | | |
| Actors: receptionist | | |
|  | | |
| The Receptionist must first sign up and then logged in to the system. | | |
| 1. Basic Flows | | |
|  | | |
| 1.1  **Rent a Vehicle** | | |
|  | | |
| Step | User Actions | System Actions |
| 1 | The receptionist calls the reserve a vehicle command. | The system displays a form with the list of types of vehicles and the vehicles under the category respectively. |
| 2 | The Client will choose a specific vehicle of their desire and receptionist will submit. | The system will redirect to the payment. |
| The receptionist must logged in to the system to check the client should have existing booking to extend booking time | | |

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| Name:    Extend booking | | |
| Brief description: This use case allows a client to booking time of a car. | | |
| Actors: admin/receptionist | | |
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| The receptionist must first sign up and then logged in to the system. | | |
| 1. Basic Flows | | |
|  | | |
| 1.1 Extend | | |
|  | | |
| Step | User Actions | System Actions |
| 1 | Use user credential to log in and request extra needed time for extending the booking time | Check the availability of the car |
| 2 | Extend booking time | Extend the return date and time of booked car for a client |
| Postconditions | | |
| The client gets the preferred extended time | | |

2,Administrator

As a manager I want to add a vehicle

The user (manager ) must logged in to the system

The user can add/manage a vehicle

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| **1. Basic Flows** | | |
| **1.1 Adding a Vehicle** | | |
| **Step** |  | **System Actions** |
| 1 | The  user admin calls the add vehicle command | The system displays the vehicle form with model, year, and type, plate number, registration number |
| 2 | The admin fills out the form and requests the system to save the details | The system verify that there is no other vehicle in the database with the same plate number, saves the  vehicle details and returns the success message on success or a fail message in case of failure. In case another entry exists with the same plate number  , the system returns a message indicating a duplicate entry exits |
| The vehicle is persisted in the system | | |
| No duplicate vehicle entry. Two entries are identical if they have the same plate number | | |
| **1.2 Read/view** **Vehicle details** | | |
| **Step** | **User Actions** | **System Actions** |
| 1 | The  user/admin requests for a list of vehicles | The system returns a list of all vehicles. |
| 2 | The admin selects to view a vehicle they want from the list. | The system returns the vehicle object as a string with vehicle model, type, year, plate number… |

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| **1.3** **Update a Vehicle** | | |
| **Step** | **User Actions** | **System Actions** |
| 1 | The  user/admin requests for a list of vehicles | The system returns a list of all vehicles. |
| 2 | The admin selects to view a vehicle they want to update. | The system displays an editable form with the vehicle details |
| 3 | The admin changes the parts they want to update and requests system to save the new details | The system updates the vehicle and returns a success message or a fail message on exception. |
| The vehicle details will be updated | | |
| If a vehicle is no more available for rent | | |
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| **1.4  Delete** **Vehicle** | | |
| **Step** | **User Actions** | **System Actions** |
| 1 | The  user/admin requests for a list of vehicles | The system returns a list of all vehicles. |
| 2 | The admin selects to delete a vehicle from the list. | The system displays an editable form with the vehicle details |
| 3 | The admin changes the parts they want to update and requests system to save the new details | The system updates the vehicle and returns a success message or a fail message on exception. |

3, As a Client

The Client must first sign up and then logged in to the system.

As a client I can reserve/update a vehicle

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| Name:    Reserve a Vehicle | | |
| Brief description: This use case allows a client to reserve or rent a vehicle. | | |
| Actors: Client | | |
| Preconditions: | | |
| The Client must first sign up and then logged in to the system. | | |
| Flow of Events: | | |
| 1. Basic Flows | | |
|  | | |
| 1.1  **Rent a Vehicle** | | |
|  | | |
| Step | User Actions | System Actions |
| 1 | The client calls the reserve a vehicle command. | The system displays a form with the list of types of vehicles and the vehicles under the category respectively. |
| 2 | The Client will choose a specific vehicle of their desire and submit. | The system will redirect to the payment. |
| The client must logged in to the system, client should have existing booking to extend  booking time | | |

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| --- | --- | --- |
| Name:    Extend booking | | |
| Brief description: This use case allows a client to booking time of a car. | | |
| Actors: client | | |
|  | | |
| The Client must first sign up and then logged in to the system. | | |
| 1. Basic Flows | | |
|  | | |
| 1.1 Extend | | |
|  | | |
| Step | User Actions | System Actions |
| 1 | Use user credential to log in and request extra needed time for extending the booking time | Check the availability of the car |
| 2 | Extend booking time | Extend the return date and time of booked car for a client |
| Postconditions | | |
| The client gets the preferred extended time | | |