Use Case: Drive car

Partecipating Actors:

* Registered User
* Car

Entry Condition:

* The car is ignited by the registerd user.

Flow of Events:

* The system starts the calculation of the fee (x per min).
* The registered user starts driving.
* The car detects how many passengers are on board and sends the information to the system.
* The registered user parks the car.
* The registered user turn off the car.
* The registered user and all passengers leave the car.
* The car check (by sensors) that nobody is in the car.
* The system lock the car when nobody is inside.
* The system stops the calculation of the fee.
* The system check if the car is parked in a safe area.
* The system waits XX minutes
* The system applies discounts according to its policies.
* The system comunicate the total fee to pay to the registered user.
* The state of the car changes from “in use” to “available”
* The final fee is sent to the Payment Manager.

Exit Condition:

* The final fee is sent to the Payment Manager

Exceptions:

* The registered user has the possibility to select Money Saving Option
* In case of a malfunction, the car is always able to notify the system.

Special Requirement:

* The car display shows all the infos concerning the ride (ongoing fee, battery level)