Server  
External interfaces:

* CarCommandInt: allow to the server to comunicate to the car in order to comunicate to the driver or to execute commands in the car like ock and unlock the doors.
* CarRequestsInt: allow to the car to comunicate to the server all information about car status, driver requests or to evaluate condition of ending a reservation.
* DBMS API: allow to the server to comunicate to the database to retrieve all information the server needs.
* N&M API: allow to the server to comunicate to the Maps & Navigation Provider to obtain all information about maps and tips for navigation.
* DLA API: allow to the server to comunicate to the Driving License Authority in order to validate the driving license of a new user.
* PC API: allow to the server to comunicate to the Payment Company in order to validate all the payment information of a new user and to perform payments after a reservation ending.
* E-Mail API: allow to the server to comunicate to the E-Mail Provider in order to send e-mail to the users or to the operators.
* FreeSlotsInt: allow to the server to comunicate to the special parking areas in order to understand how many slots are free in a special parking area if a user has enable the money saving option functionality.
* NotificationInt: allow to the server to dispatch notification about cars status to all the operators.
* OperatorsInt: allow to the operator application to interact to the server in order to log in, work on paperworks, report or minor issues solutions and changing cars availability.
* WebInt: allow to the web browser to comunicate to the application in the server in order to permit to a guest or a user to use all the functionalities that our web site provides.
* EmergencyInt: allow to the server to dispatch notifications about the status of the car reserved by the user.
* UserInt: allow to mobile app to use all the functionalities that our mobile app provides forwarding all required information to the application server.

Internal interfaces:

* TimerInt: allow to manage the reservation ending timer and car lock doors command when the car sends to the server that there are the conditions to end a reservation.
* CarInt: allow to the reservation manager to get all the information about the reserved car.
* AvailabilityInt: allow to the car manager to get information about the availability of a car
* MinorReportInt: allow to generate a report of a minor issue when a report is sent by the user from a car.
* ByPassInt: allow to the server to reconize an operator who unlocks a car.
* DBInt: give an access point to the data base in order to perform queries.
* ReservationInt: give an access point to all information of a reservation in order to interact with the mobile app or in order to give information to other components about the car.
* LogInInt: provides functionalities to perform the log in of a person in our system.
* ToCarInt: allow to the app user manager to gather information to provide the Navigate to a Car functionality to the mobile app.
* CarSearchInt: allow to the app user manager or the web user manager to provide the Look for a Car functionality to a user ora a guest.
* CarInfoInt: allow to look for a car component to gather information about a selected car in order to show its to a user or to a guest.
* MoneySaveInt: allow to the request manager to get all information to perform the Money Saving Option functionality.
* InvoiceInt: allow to the reservation manager to generate the invoice of an ended reservation.
* SignUpInt: provide functionalities to sign up a guest in our system saving all the information in the database or to generate another password in a user requests it.
* PswInt: allow to the sign up functionalities to generate a password to comunicate to a user.
* E-mailInt: provide the e-mail functionality.
* PaymentInt: allow to sign up component to understand if a user has inserted true payment information or not and save this in the database.
* PCInt: provide the payment management functionality.
* NavigateInt: provide functionalities to guide a user to a specific location according to the inserted data.
* RedistributionInt: provide funcionalities to avoid bad car concentration in the same area for the Money Saving Option functionality and comunicate to the notification dispatcher if there are to many cars in the same area in order to notify the operators.
* InvoiceViewInt: permit to the user to access to all his past invoices generating a list of invoice gathering information from the database.
* SensorInt: allow to the notifications dispatcher to be notifed from sensors located in cars if some issues occurred.
* InfoInt: allow to the operator manager to work with paperworks
* ReportInt: allow to the operator manager to create a ride report to send eventually to legal authority using the e-mail system.
* MinorIssueInt: allow to the operator manager to report a minor issue solved.
* MapsInt: provide functionalities to show maps to show cars location, places of interest, safe and special parking area.
* NavigationInt: provide functionalities to use the navigation systems either in the mobile application or in car’s screen.
* N&MInt: provide the Navigation and Maps functionalities.

Car

* DriverInt: allow to the decision module to command the actuator to perform some actions like enable the power plug lock when a car is parked in a special parking area or look and unlock the doors during a reservation.
* ControllerInt: allow to execute command recived by the server.
* EngineOnOffInt: allow to turn off the engine when the driver left the car
* SensorsInt: allow to retrive information about all sensors present in the car in order to display to the user the car status, to know the position and the status of the car at the end of the reservation or to turn off the engine if the driver left the car as a safety measure.
* TimerInt: allow to manage the timer to to turn off the engine if the driver left the car as a safety measure or to wait before sending all information to the server to end the reservation.
* ECInt: allow to call the tow truck in case of an emergency.
* AuthorizationInt: allow to unlock functionalities in the car depending on which person want to use the car: a user or an operator.
* OutputInt: allow to show information retrieved by the server to the screen car like navigation tips

User Mobile App

* TimerInt: allow to the mobile app to set the timer when a user want to show how much time remains before the end of his reservation. This timer allow to reduce the data request on the server. When a user start the app there is a sychronization between server and mobile app and this is the only data that the server comunicate to the user.
* PositionInt: allow to comunicate the GPS position in order to unlock the car for a reservation or using maps and navigation module to search a car navigate to it.

Operator Application

* InfoInt: allow to get all the information about the notifications in order to generate the paperwork related to a notification.