Hertz Hackathon

Connected car powered by Eileo

Attcarhomehackathon @ LasVegas, NV
September, 6-8 2014

Hertz

Message for developers

Hertz vehicle is equipped by an automatic reservation management unit which transform a basic vehicle to a connected car.

This connected car is able to get reservation from the Hertz website and allows the renter to use the car during its rental.

This unit (Zibox) is opened for the ATT Car Home Hackathon and gives access to developers about reservation information and vehicle data.

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How to connect

Access to the Eileo Zibox is available through WiFi

SSID: **Hertz_Hackathon**
Password: **ATTH@ck!**

Reservation information

Reservation information

http://192.168.150.1/apps/rental/api/rental/reservation

Return all reservation informations

- **reservationId** long integer
- **beginDate** integer datetime UTC
- **endDate** integer datetime UTC
- **timeZone** string
- **pickupName** string
- **dropoffName** string
- **language** string
- **late** bool
- **odometerUnit** string "kilometers" or "miles"
- **odometer** integer: current distance driven from the beginning of the reservation
- **startAuthorized** bool : if all conditions completed to start the reservation (driver license, checkup, …)
- **vehicleIsInDropOffArea** bool
- **vehicleIsInPickUpArea** bool
- **status** string, status of the reservation: "no_reservation", "wait_user", "wait_conditions", "running", "wait_close"
- **selfServiceStatus** string, status of the selfservice reservation: "undefined", "not_in_selfService", "wait_resp", "wait_resp_and_accepted_temporary", "accepted", "refused", "canceled", "confirmed_ready"
- **closedByServer** bool: waiting close, close requested by the server
- **inReservation** bool, reservation happening
- **remainingTime** integer: time left in seconds before reservation gets late; negative if the reservation is late
- **nowUTC** integer: UTC time in seconds

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Vehicle information

Identification

http://192.168.150.1/apps/rental/api/car/identification

Return vehicle identification

- **plateNumber** string : plate number of the car
- **VIN** string : Vehicle Identification Number

Ignition

http://192.168.150.1/apps/rental/api/car/ignition

Return vehicle ignition state

- **ignitionState** bool : ignition in ON position
- **engineStarted** bool : vehicle engine is running

Vehicle status

http://192.168.150.1/apps/rental/api/car/data

Return vehicle data

- **vehicleSpeed** integer : vehicle speed in kmh
- **engineRPM** integer
- **MIL** bool
- **fuelLevel** float: level in %
- **batteryVoltage** float: vehicle accessory battery in V

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Member information

Member information

http://192.168.150.1/apps/rental/api/member

return information about the member of the current reservation

- **firstName** string
- **lastName** integer
- **memberId** integer
- **language** string
- **mileageUnit** string
- **email** string
- **mode** string: "user", "valet", "admin"

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Reservation action

End reservation

http://192.168.150.1/apps/rental/api/rental/endrequest
Request to end the current reservation. The reservation will end after ignition OFF and locking doors.

Response:

- **status** string, reservation status: "no_reservation", "wait_user", "wait_conditions", "running", "wait_close"

Extend reservation

http://192.168.150.1/apps/rental/api/rental/extend
User is requesting an extension of his current reservation
Parameters:

- **newEndDateSec** integer UTC time in seconds
  i.e: http://192.168.150.1/apps/rental/api/rental/extend?newEndDateSec=1389015300

Response

- **extension_request_status** string: extension status "idle", "waiting_response", "canceled", "refused", "accepted"

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Assistance

Request a callback

http://192.168.150.1/apps/rental/api/call/askcallback
Ask to be called back by Hertz Member Care Center
Optional parameters (default asserts "no"):

- **userRequest** string "yes"/"no"
- **damagesPresent** string "yes"/"no"
- **fuelCardMissing** string "yes"/"no"
  i.e: http://192.168.150.1/apps/rental/api/call/askcallback?userRequest=yes

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PinPad

- Located on the windscreen of the car, on driver side
- It allows to enter a PIN code to access the car: car doors lock/unlock
- Embed a NFC reader, which allow for example to start a mobile application

PinCode: **589109**

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Contact

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