

Use Case Description

Vehicle Tracking

Background

A software company Track247 wants to build a smart phone app for car-owners. They want to provide convenience functionalities that are:

- totally based on the data collected from the car
- very interesting and useful for the customers
- not based on any physical services

The company would like to earn money via advertisements shown in the app. Meaning the functionalities must be so interesting that people use it and earning through the advertisements bypasses the cost of data. The company is willing to launch the application globally and for any car that can be connected to Caruso.



Alex

Car Owner, uses Track247 app



Lukas

Son of Alex

Devices

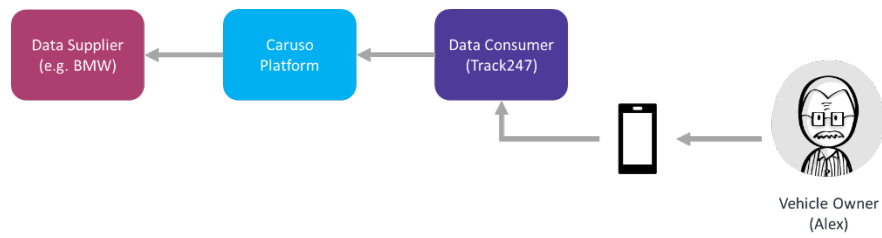


Story

Alex is 52 years old. He has a son Lukas who just turned 18. Alex has a BMW car and time-to-time he allows Lukas to drive his car. Alex has asked Lukas to drive carefully but he still worries that whether Lukas is really doing it. Alex wants to have option to check the driving behavior of Lukas. Alex is a very busy executive and he has appointments after appointments. Because of this busy schedule, he sometimes forgets to switch off his lights or forgets where exactly he has parked his car. Additionally, he now moved to city where there are some recent theft cases, he wants a solution where he can detect suspicious behavior. And in cases it happens, he wants the possibility to track it.

Alex looked for a suitable app in AppStore and found this app. He has installed the app. After registering himself in the app, he puts his vehicle identification number (VIN). Once Alex is done with it, he is all set to start using the tracking. Alex can anytime start/stop the tracking option to monitor Lukas' driving behavior. He can get a notification if the vehicles doors/ windows open at night or lights are on in the parking mode for long time. When he gets out of any meeting, he just follows his app to find out the exact location of the car. He is extremely happy that this vehicle tracking has brought lots of conveniences in his daily life and it is for free!

Information Flow



Functionalities

Driver App Functionality

- Notify suspicious vehicle status – theft protection or keeping the battery charged
- Stolen vehicle tracking
- Enabling parents to monitor the driving behavior of their kids
- Helping drivers to find out where they have parked
- ... (be innovative!)

System Landscape

- Driver App
- Track247 Backend System (optional)

Data Items

Mileage, Location, Last trip, Acceleration, Speed, Vehicle status (door/ window/ engine/ light/ trunk/ sunroof)