•  End user want to find the nearest charging station

•  End user sees the notification to indicate the completion of charging

•  CPOs find the location of charging station

•  COPs know the internal status of a charging station

•  Getting energy for charging the car

**•  End user want to find the nearest charging station**

Alex has an electric car. He knows there is an application named eMPS which besides of all the features, it shows all charging station so he can find the nearest one. He already signs in and choose his car model so when he goes to charging station section in the application and turn on his mobile phone GPS, so the map shows his location on the map and all charging station. He can filter all the station by price, other user rating and travel distance and also he can see all the new offers that CPOs provide for him.

**•  End user sees the notification to indicate the completion of charging**

John is sitting in the coffee shop near to the charging station while his car is plugged. He can see the status of his car’s battery, battery percentage, the speed of charging and remaining time to get full charged. When his car gets full charged the eMPS mobile application send him a notification “your car is ready to pick up” so he go to the charging station to use his car. Also, he can set a limit in the application for battery charging, When the battery percent reach that the mobile application shows the notification.

**•  CPOs find the location of charging station**

Mike is one CPO. He sign in to the CPMS dashboard so he can see the status of all charging stations such as booked one, free one, in use and the energy consumption of the charging station. In the manage charging station section, he can search for all charging stations by their name, address.

**•  COPs know the internal status of a charging station**

Monica is CPO in the Viale Romagna street station. All the charging ports are in use. She go to CMPS dashboard and start looking for the information of that station. She can see all the cars models and their current battery percentage, the ports output voltage, how much costs users must pay, the remaining time to cars get full charged, how much energy each port consume to generate electricity, each port temperature, ports which are booked, the cost of energy they should provide and how much power each car absorb.

**•  Getting energy for charging the car**

Mario is CPO who is monitoring the system with CMPS dashboard. In the late night, all the batteries in the charging station are have low battery and he is waiting to see the system allows that all batteries get drain or it decide to switch to DSO’s energy power source. He can switch between batteries and DSO’s energy manually. But he sure about that the system calculate that how much time need to fill all the batteries in the station and its do it when it’s necessary.

<!— NEW SCENARIO ABOUT SUGGESTION ->

**•  End user see suggestions**

Rachel is CEO in a big company, so she doesn’t have enough time to Handle her plans and she is very busy. When she got into her car, she sees that her car didn’t have enough battery, so she opens the mobile application and goes to suggestion section. The application asks for location and her calendar permissions, she accept that, and she enable her phone GPS and Bluetooth. The Application Get her cars battery status by Bluetooth and it sends her current location and her todays plans to eMSP servers, after a few seconds the Application shows some suggestion that relied on her available time and her location.