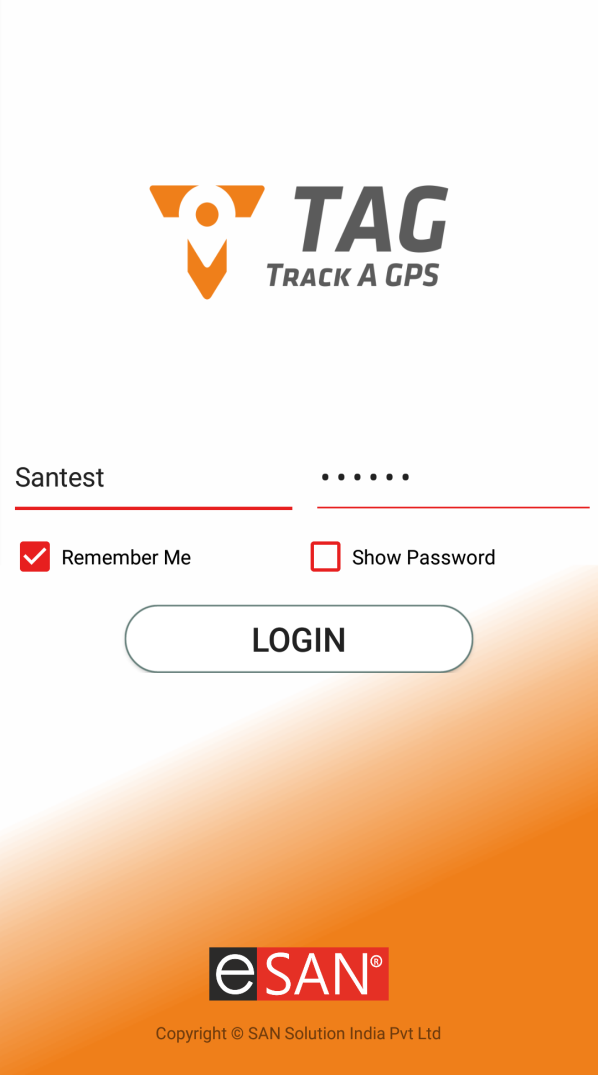
**TAG DOCUMENT**

LOGIN FORM:



Here Username and password are parameters for given API.

1. Api Name : PassWord

<http://103.16.142.162/sangpsapi/api/GPSAPI/PassWord?UserName=Santest>

Response:

[ {

"PasswordHash":"AN/xemk0NXxDoTAs4h67PE+lqnBG6GZySN7tE6hql9VtR2FGTJkdRXd5Or7jmNA0OA=="}]

This API is used for getting encrypted password and this encrypted password is compared with user entered password both are match enters into main screen or else show message like “enter valid username and password”.

After matching password call another API called ‘UserLogin’.

1. API Name : UserLogin

<http://103.16.142.162/sangpsapi/api/GPSAPI/UserLogin?UserName=Santest>

Response:

[{

"Id": "053b091c-c0b8-4385-9224-0c78401e1d48",

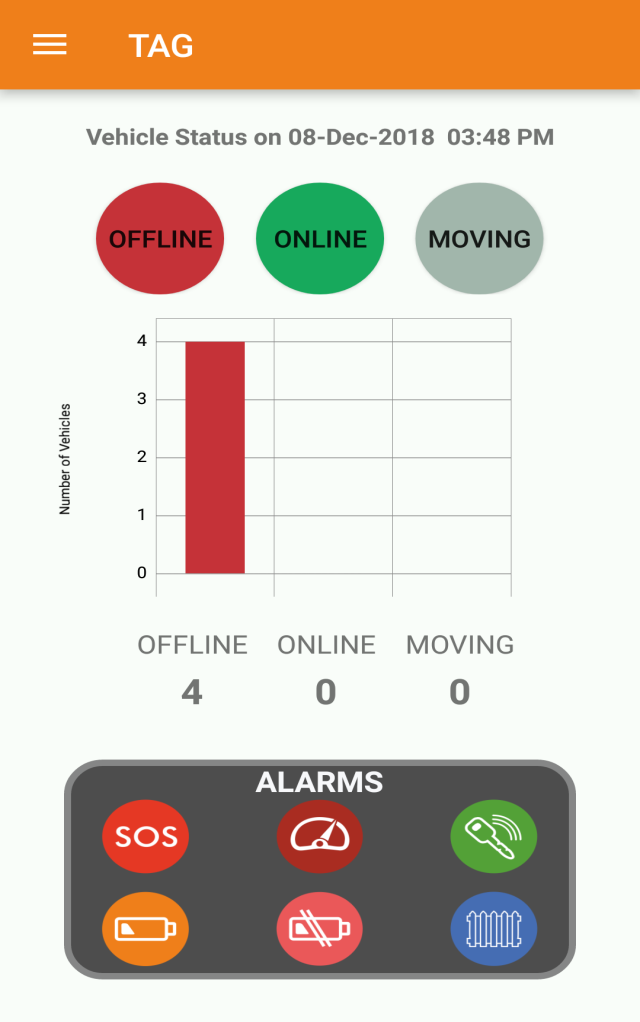
"UserName": "santest",

"Name": "User"

}]

This API is used for getting ‘Userid’ and Userrole. After this open Main Dashboard Form.

LOGIN FORM:



In this Form we can show vehicles count based on status (Offline, Online, and Moving). And also we can show current date time using periodic updation.  
Here we can use bar chart for showing offline, online and moving vehicles.

1. API Name For Vehicle Count :

<http://103.16.142.162/sangpsapi/api/GPSAPI/VehicleCount?UserId=053b091c-c0b8-4385-9224-0c78401e1d48&Role=User>

Response:

[{

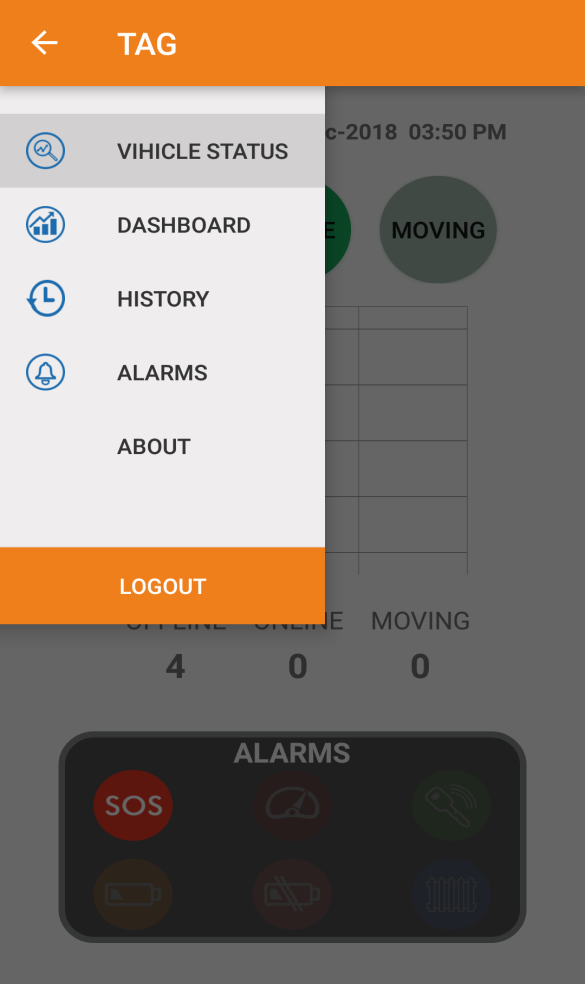
"offline": "3",

"online": "1",

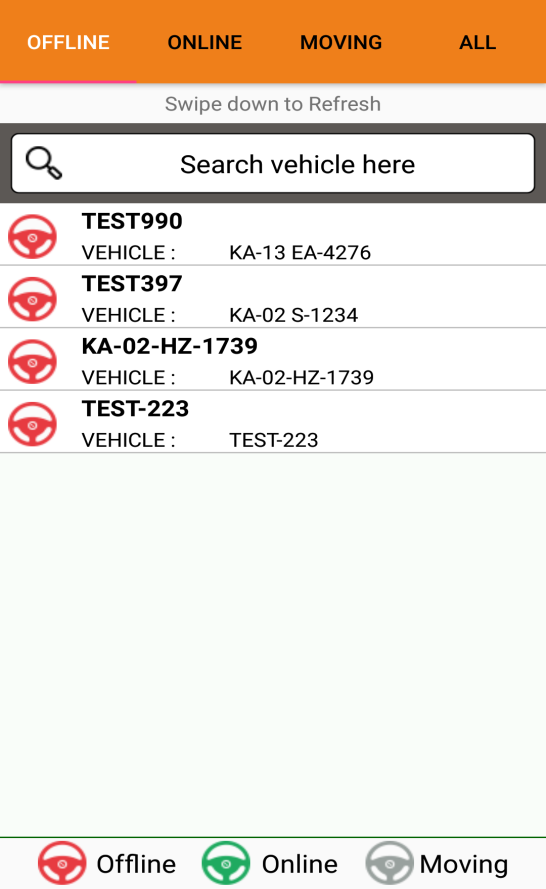
"running": "0"

}]

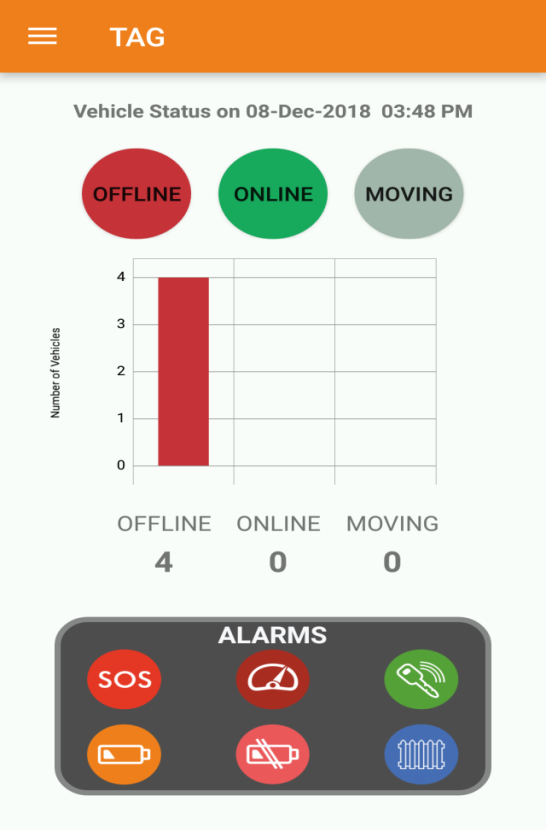
And in this Form we can show navigation bar. It is used for easy to navigate the other forms.



1. Vehicle Status: it is used for showing vehicle current status like online offline or moving.



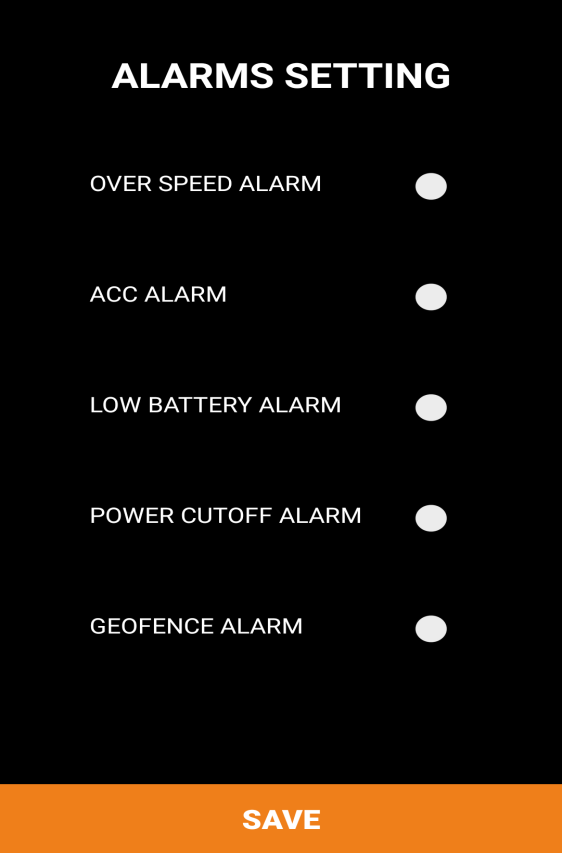
1. Dashboard : It showing Bar char and alarm dashboard (Main Screen).



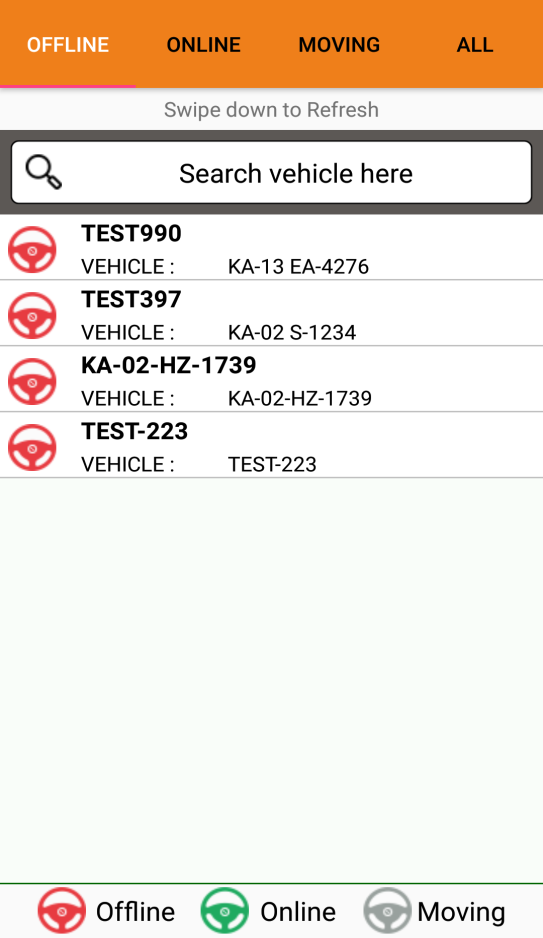
1. History: It shows vehicles today, yesterday and custom history.



1. Alarms: It shows alarm enable and disable option setting form.



When we Click Offline or online or Moving Button on Main Screen, it opens Vehicle status of their respected click event.



API Name: fetchvehicleList

1. [http://103.16.142.162/sangpsapi/api/GPSAPI/**fetchvehicleList**?UserId=053b091c-c0b8-4385-9224-0c78401e1d48&Role=User&**Vehicletype=offline**](http://103.16.142.162/sangpsapi/api/GPSAPI/fetchvehicleList?UserId=053b091c-c0b8-4385-9224-0c78401e1d48&Role=User&Vehicletype=offline) – for offline

[

{

"DeviceId": 57,

"dtDate": "0001-01-01T00:00:00",

"dtTime": "0001-01-01T00:00:00",

"Lattitude": 0,

"Longitude": 0,

"cAlarmType": null,

"cDeviceName": "TEST990",

"cRegNumber": "KA-13 EA-4276",

"cVehicleType": null,

"imei": 864502035760990,

"vstatus": 0,

"Speed": 0,

"cdate": "0001-01-01T00:00:00",

"ddegree": 0

}

]

1. [http://103.16.142.162/sangpsapi/api/GPSAPI/**fetchvehicleList**?UserId=053b091c-c0b8-4385-9224-0c78401e1d48&Role=User&**Vehicletype=online**](http://103.16.142.162/sangpsapi/api/GPSAPI/fetchvehicleList?UserId=053b091c-c0b8-4385-9224-0c78401e1d48&Role=User&Vehicletype=online) - for online

[

{

"DeviceId": 57,

"dtDate": "0001-01-01T00:00:00",

"dtTime": "0001-01-01T00:00:00",

"Lattitude": 0,

"Longitude": 0,

"cAlarmType": null,

"cDeviceName": "TEST990",

"cRegNumber": "KA-13 EA-4276",

"cVehicleType": null,

"imei": 864502035760990,

"vstatus": 1,

"Speed": 0,

"cdate": "0001-01-01T00:00:00",

"ddegree": 0

}]

1. [http://103.16.142.162/sangpsapi/api/GPSAPI/**fetchvehicleList**?UserId=053b091c-c0b8-4385-9224-0c78401e1d48&Role=User&**Vehicletype=moving**](http://103.16.142.162/sangpsapi/api/GPSAPI/fetchvehicleList?UserId=053b091c-c0b8-4385-9224-0c78401e1d48&Role=User&Vehicletype=moving)- for moving

[{ "DeviceId": 57,

"dtDate": "0001-01-01T00:00:00",

"dtTime": "0001-01-01T00:00:00",

"Lattitude": 0,

"Longitude": 0,

"cAlarmType": null,

"cDeviceName": "TEST990",

"cRegNumber": "KA-13 EA-4276",

"cVehicleType": null,

"imei": 864502035760990,

"vstatus": 2,

"Speed": 0,

"cdate": "0001-01-01T00:00:00",

"ddegree": 0

}

]

This form shows vehicle list. After this click on vehicle new form will be opened and shows current position of the vehicle along with option live and history button like below.



1. Position: It shows current position of the vehicle.

API Name: LivePosition

1. [http://103.16.142.162/sangpsapi/api/GPSAPI/**LivePosition**?UserId=053b091c-c0b8-4385-9224-0c78401e1d48&Role=User](http://103.16.142.162/sangpsapi/api/GPSAPI/LivePosition?UserId=053b091c-c0b8-4385-9224-0c78401e1d48&Role=User)

[{

"Lattitude": 12.77776,

"Longitude": 54.65545,

"Date": "0001-01-01T00:00:00",

"Vehiclestatus": 0,

}]

1. Live: It shows Live position of the vehicle.

API Name: LivePosition

1. [http://103.16.142.162/sangpsapi/api/GPSAPI/**LivePosition**?UserId=053b091c-c0b8-4385-9224-0c78401e1d48&Role=User](http://103.16.142.162/sangpsapi/api/GPSAPI/LivePosition?UserId=053b091c-c0b8-4385-9224-0c78401e1d48&Role=User)

[{

"Lattitude": 12.77776,

"Longitude": 54.65545,

"Date": "0001-01-01T00:00:00",

"Vehiclestatus": 0,

}]

1. History : it includes 3 radio button options Today, Yesterday and Custom Option.
2. Today : It display today History of the vehicle along with map like below.



API NAME: DeviceHistory

1. <http://103.16.142.162/sangpsapi/api/GPSAPI/DeviceHistory?IMEI=994501029812345&&fromdate==2018-12-10_00:00:59&&todate==2018-12-10_23:23:59> for Today History

[{

"Lattitude": 12.77776,

"Longitude": 54.65545,

"cdate": "2018-12-10T01:00:00",

"ddegree": 245,

}]

1. Yesterday: It displays Yesterday History of the vehicle along with map.
2. <http://103.16.142.162/sangpsapi/api/GPSAPI/DeviceHistory?IMEI=994501029812345&&fromdate==2018-12-09_00:00:59&&todate==2018-12-10_23:23:59> for Yesterday History

[{

"Lattitude": 12.77776,

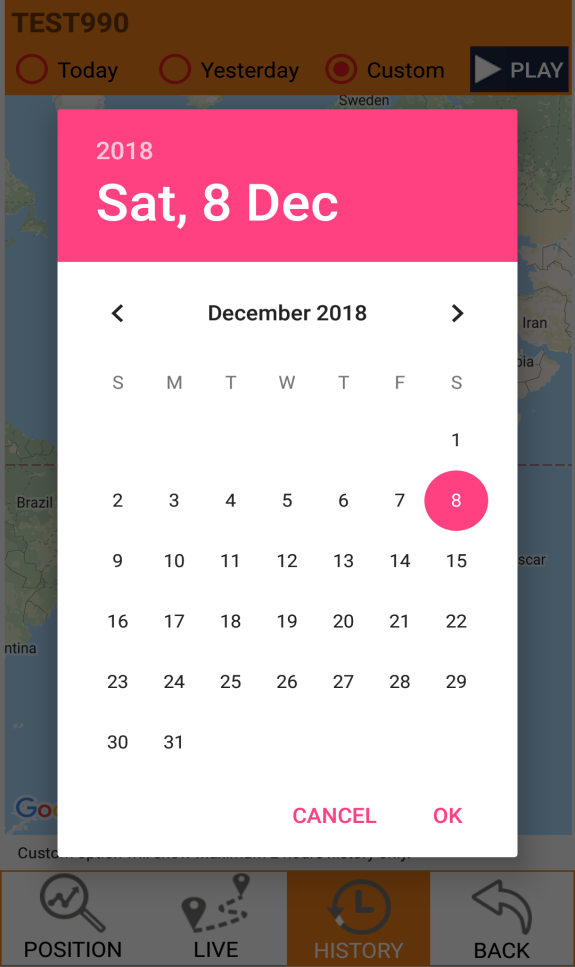
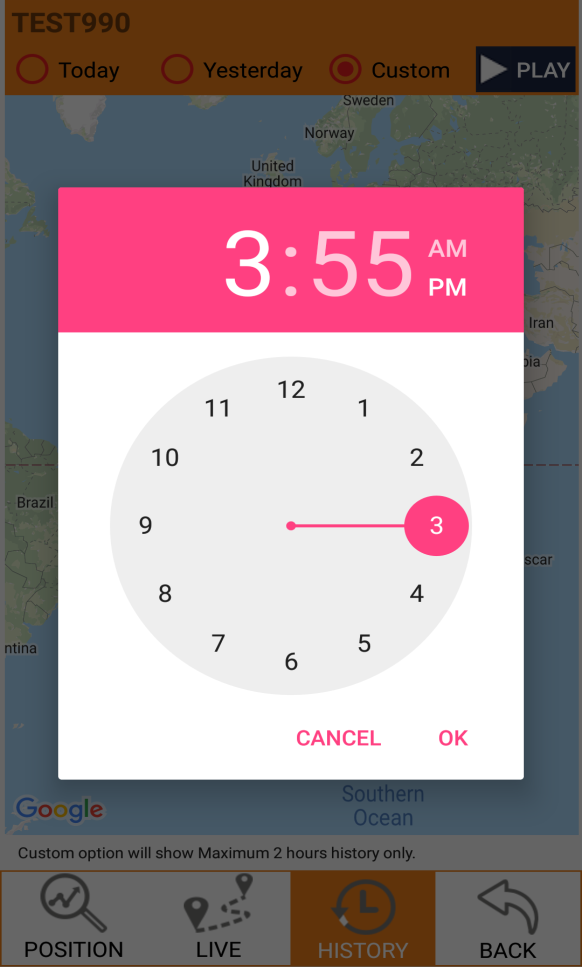
"Longitude": 54.65545,

"cdate": "2018-12-10T01:00:00",

"ddegree": 245,

}]

1. CUSTOM: in this option we provide calendar for selecting date and time for showing custom history of the vehicle. In this we can only shows maximum 2 hour history.

1. <http://103.16.142.162/sangpsapi/api/GPSAPI/DeviceHistory?IMEI=994501029812345&&fromdate==2018-12-09_00:00:59&&todate==2018-12-10_23:23:59> for custom

Response:

[{

"Lattitude": 12.77776,

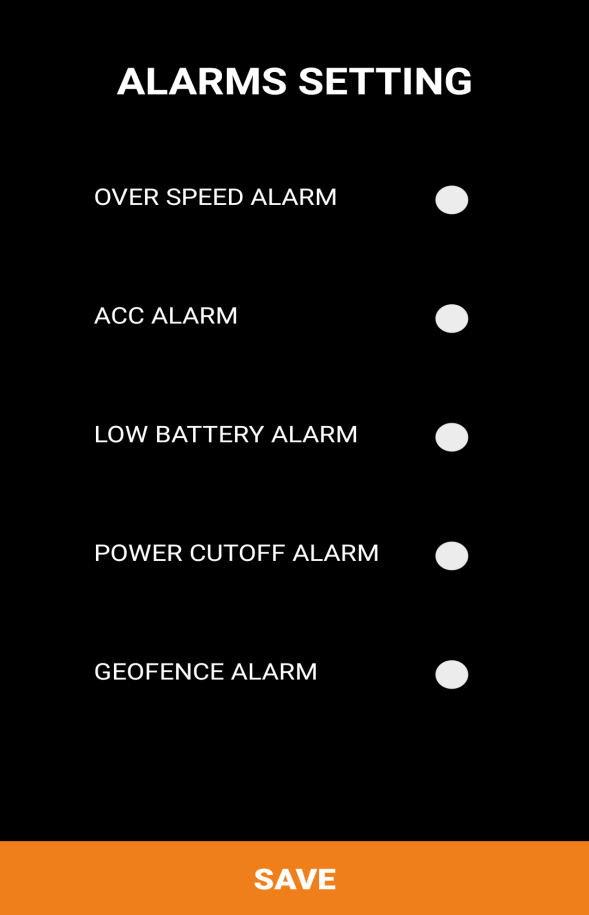
"Longitude": 54.65545,

"cdate": "2018-12-10T01:00:00",

"ddegree": 245

}]

In Alarm Setting Form we can select or deselect alarm option using switch button it is for which alarms are wanted to user.



In save click button we can pass each respected swichcase values are parameters of UpdatetabAlarms except sos beacause sos alarm having deafault enabled option.

1. [http://103.16.142.162/sangpsapi/api/GPSAPI/UpdatetabAlarms?UserId=053b091c-c0b8-4385-9224-0c78401e1d48&**nOverSpeed**=1&**&nAcc=1&nLowBattery=1&nPowerCutoff=1&nGeofence=1**](http://103.16.142.162/sangpsapi/api/GPSAPI/UpdatetabAlarms?UserId=053b091c-c0b8-4385-9224-0c78401e1d48&nOverSpeed=1&&nAcc=1&nLowBattery=1&nPowerCutoff=1&nGeofence=1)

Response:

[{

"Status":”true”;

}]

Alarm Dashboard having six buttons like sos, overspeedacc, lowbattery, powercut, geofence.

When we click on these button it show report of respective buttons.

Example when we click on acc button it shows today acc report like below.



API NAME: UpdateAlarm

1. <http://103.16.142.162/sangpsapi/api/GPSAPI/UpdateAlarm?UserId=053b091c-c0b8-4385-9224-0c78401e1d48&Role=User&AlarmType=accon>

Response:

[{

"Status":”true”;

}]

Same API is used for remaining alarm types only AlarmType parameter to be changed.