I- **http://someUrl.com/Login** ***Not Written Yet.***

Method: **post**

Input: {

‘username’: username

‘password’: password

}

Response: a TOKEN for accessing all APIs. Layout:

{

‘token’: TOKEN

}

This TOKEN must be passed through the Headers of each API request. As Follows:

Headers:

{

… ,

'Authorization': “Token [TOKEN variable]”,

… ,

}

“Token [TOKEN variable]”: **String** with the following format :

“Token” + space + TOKEN_Variable = “Token [TOKEN variable]”

II- http://someUrl.com/getAssets

Method: **get**

Input: -

machine fields = [id , name , code , phone]

Response: Table of all machines information

```
[
        machineID1 : { machine fields } ,
        machineID2 : { machine fields } ,
        … ,
        machineIDn : { machine fields } ,
]
```

III- ws://someUrl.com/update

Description: Just connect to the channel and receive updating data as following:
Must send the Input below on the channel after each time you receive the new packet of data. (websocket.send(“repeat”))

Input: ‘repeat’

Response: List of the **latest** **GPS** and **Status** data for **each** Machine. Layout:

```
{
    machID1: {
            ‘gps’:       all fields of GPS data table,
            ‘status’:    all fields of status data table,
        } ,
    machID2: {
            ‘gps’:       all fields of GPS data table,
            ‘status’:    all fields of status data table,
        } ,
    …
}
```

IV- http://someUrl.com/call/<int:machID>

Method: **get**

Input: -

Response: 1 as OK, -1 as notOK

V- http://someUrl.com/history/raw

Method: **get**

Input: -

Response:

```
{
    raw data of all records for loadings and activities
}
```

VI- http://someUrl.com/loadHistory

Method: **post**

Input: {

‘machID’: machID or All # whether an ID is given or ‘all’ keyword

‘intervalType’: intervalType, # [daily, weekly, monthly]

‘count’: countOfIntervals # integer value

}

Response: Requested Data from Loading History. Layout:

{

machID1: {

‘$interval_1$’: Loading Counts,

‘$interval_2$’: Loading Counts,

…

‘$interval_n$’: Loading Counts,

} ,

machID2: {

‘$interval_1$’: Loading Counts,

‘$interval_2$’: Loading Counts,

…

‘$interval_n$’: Loading Counts,

} ,

…

}

hint : n is the number of intervals.

VII- http://someUrl.com/activityHistory

Method: **post**

Input: {

‘machID’: machID or All # whether an ID is given or ‘all’ keyword

‘intervalType’: intervalType, # [daily, weekly, monthly]

‘count’: countOfIntervals # integer value

}

Response: Requested Data from Loading History. Layout:

{

machID1: {

‘*interval*$_1$’: Loading Counts,

‘*interval*$_2$’: Loading Counts,

…

‘*interval*$_n$’: Loading Counts,

} ,

machID2: {

‘*interval*$_1$’: Loading Counts,

‘*interval*$_2$’: Loading Counts,

…

‘*interval*$_n$’: Loading Counts,

} ,

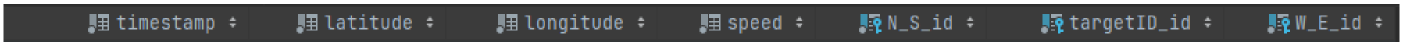
…

}

hint : n is the number of intervals.

P.S:

gpsData Fields:



timestamp	latitude	longitude	speed	N_S_id	targetID_id	W_E_id

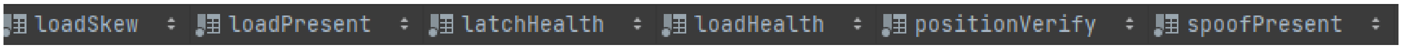
N_S : North_South

W_E : West_East

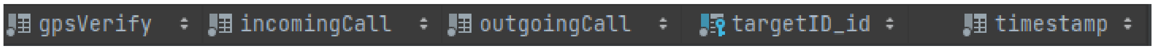
target : The Module

statusData Fields:

*All fields are Boolean Type, but timestamp and targetID



loadSkew	loadPresent	latchHealth	loadHealth	positionVerify	spoofPresent



gpsVerify	incomingCall	outgoingCall	targetID_id	timestamp

laodSkew	:	کجی محل بار
loadPresent	:	حضور بار
latchHealth	:	سلامت قفل
loadHealth	:	سلامت بار
positionVerify	:	احراز موقعیت
spoofPresent	:	وجود حمله
gpsVerify	:	احراز جی‌پی‌اس
incomingCall	:	تماس ورودی
outgoingCall	:	تماس خروجی
target	:	The Module Id