# Project To do:

Develop new Cpanel with 3 new GPS reports

## Develop a new Cpanel

-API with the GPSWOX server

https://gpswox.api-docs.io/v1.0/welcome/introduction

## User Management System

Include an option to create and manage users, who must be able to connect to the GPSWOX server in order to login both to said server and to the new Cpanel.

### User enable/Disable

### User info edit

### User permission change

### User delete

## 3 new report pages

Taking information from the GPSWOX server database and analyze.

### Green Driving Report

This Report collects the negative driving score of the drivers and their kilometers traveled, to carry out a calculation that allows assigning a score to said driving.

The negative points are: Excessive speed, overspeed time, Aggressive Braking, Aggressive Turns, Aggressive Acceleration.

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Driver Name | Unit Name | kilometers traveled | speeding count | speeding duration | aggressive acceleration | aggressive braking | aggressive cornering | driver score |
|  |  |  |  |  |  |  |  |  |

### Performance Report:

This report takes into account the driver, units, kilometers, gallon consumption, unit performance, kilometer cost and total route cost.

-To calculate cost, we have to add part to set Gallon price

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Driver Name | Unit name | Kilometers traveled | Gallon Consumption | Unit Performance | Kilometer Cost | Total route Cost |
|  |  | Km | Gallon  (Value come from GPS as Liter  Have to change this to Gallon unit  1gallon = 3.785411784 liter) | Gallon Consumption / Kilometers traveled | Gallon Consumption \* Gallon Price / Kilometers traveled | Gallon Consumption \* Gallon Price |

### Temperature Report:

Teltonika GPS send physical probes or 4 bluetooth wireless sensors

If one of the temperature parameters are not coming then the box should be left blank.

When the Probe is wired, the values arrive under parameters temp1,2,3,4 and when it is Bluetooth it arrives as Temp5,6,7,8

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Device | Date | Temp5/1 | Temp6/2 | Temp7/3 | Temp8/4 |
|  |  | ‘C | ‘C | ‘C | ‘C |

### Each report have items like below

-Type of report

-Date

-Time

-Formart

* HTML
* XML
* PDF

-Various Filter Option

* Device
* Geofences
* Type
* Speed
* Stops
* And other options based on type of report

-Send to Email

